

RAJA BALWANT SINGH COLLEGE AGRA

(Established in 1940)

(Affiliated to Dr. B. R. Ambedkar University, Agra, U.P.)



SELF-STUDY REPORT

2nd NAAC ACCREDITATION CYCLE

INDEX

S.NO.	CONTENTS	PAGE NO.
1.	PREFACE	i-ii
2.	A BRIEF HISTORY AND BACKGROUND	1-8
3.	SWOC ANALYSIS	9-13
4.	SUMMARY	14-24
5.	PROFILE OF THE COLLEGE	25-37
6.	CRITERION –I: CURRICULAR ASPECTS	38-61
7.	CRITERION II: TEACHING – LEARNING AND EVALUATION	62-81
8.	CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION	82 -121
9.	CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES	122-132
10.	CRITERION V: STUDENT SUPPORT AND PROGRESSION	133-170
11.	CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT	171-193
12.	CRITERION VII: INNOVATIONS AND BEST PRACTICES	194-201
13.	EVALUATIVE REPORTS OF THE DEPARTMENTS	202-634
14.	POST ACCREDITATION INITIATIVES	635-641
15.	CERTIFICATE OF COMPLIANCE	642
16.	ANNEXURES/ENCLOSURES	

PREFACE

Established in 1885, Raja Balwant Singh College, Agra owes its existence to the munificence of Raja Balwant Singh of Awagarh (Etah) who enabled the institution to grow into one of the oldest and the biggest colleges of Uttar Pradesh.

Raja Balwant Singh College, formerly known as Balwant Rajput College, was started with the help of Raja Balwant Singh of Awagarh Estate, in the Etah district of the state of Uttar Pradesh. It started in 1878 as Rajput Boarding House for education and upliftment of Rajputs of India. In 1885, it was upgraded as Balwant Rajput High School with Col. Dobson and Sir E.H. Forsyth as headmasters. The Balwant Educational Society was created to safeguard the interests of the institution. Raja Sahib willed that the president of the Society would be the District Judge of Agra, and that the Civil Surgeon of Agra and District Inspector of Schools, Agra would be a permanent member out of its 21 members. Dr. S.C. Sircar, the famous homoeopath, was its first Indian headmaster. In 1934, Dr. R.K. Singh took over as Principal of Balwant Rajput Intermediate College. He started its expansion and in 1940, Dr. Singh established the Bichpuri Institute of Agriculture at Bichpuri, Agra and a Research Centre of Agriculture at Awagarh Farm in Etah on the 400 acres of land donated by Raja Sahib's grandson. In 1949, Dr. R.K. Singh started the Rural Engineering Institute at Bichpuri. Raja Balwant Singh had also donated more than 100 acres land in Agra for agriculture known as Khandari Farm which was attached to Rajput High School. The present building of R.B.S. Inter College was formerly known as the Nachghar Kothi and was the residence of the Headmaster. The School was run in the present college building. When Dr. R.K. Singh got special preference for Rajputs taken away, this enraged Raja Surya Pal Singh, the son of Raja Balwant Singh, who curtailed major financial help to Balwant Educational Society, divested his funds to Shantiniketan in West Bengal and Kishori Raman College in Mathura.


R.B.S. College, Agra has seven faculties -- Arts, Commerce, Education, Science, Agriculture, Engineering and Technology, and Management and Computer Application. There are five campuses -- three in Agra itself and one in each in Bichpuri and Awagarh. The Bichpuri Campus of the college has developed into an institution of advanced learning, training and research: it includes the Rural Institute, the Bichpuri Farm, and departments of Postgraduate studies in agriculture, farm management and extension education in the surrounding villages in liaison with Block level organization.

R.B.S. College, Agra is envisioned to be a leader in higher education learning and research in Agriculture, Science, Commerce, Education and Humanities along with extension of technologies through its Krishi Vigyan Kendras situated in Bichpuri and Awagarh. To support this mission, right from the beginning, the College has exhibited much zest and drive to find and employ the best faculty members from all across the country. The college has a remarkable range of research infrastructure and facilities such as well-equipped laboratories, specialized equipments and subscription of national and international journals. The college has been carrying out high quality researches in the All India coordinated research projects of ICAR and DST/DBT/UGC/DAE/ sponsored projects in the fields of Nanotechnology, Biotechnology, Agriculture, Physics, Seismology, Commerce, Education, Plant Systematics, Chemistry, Political Science, Botany, Instrumentation, Environmental Sciences, Biodiversity, natural products and preservation of Cultural heritage materials.

The curricula of all programmes are adopted from Dr. B.R. Ambedkar University, Agra, which is the affiliating university, and implemented efficiently by the faculty members with active units of NSS, Army and Airforce Wings of NCC, Rover Rangers, sports and cultural teams. The academic staff of the college has industrial collaborations, national and international collaborations, patents, publications, technology, commercialization, awards, recognitions and societal involvement. The College has an Alumni Association, Student's aid Society, Cooperative and IQAC. It also has the UGC- CPE status and DSIR recognition.

We are thankful to each and every colleague and staff involved in the formulation of the SSR, which is a huge exercise of data collection, deliberation, organization, presentation and reflection.


Dr. Ramvir Singh Chauhan
(Coordinator)


Dr. Anupam Goel
(Principal)
PRINCIPAL
R. B. S. COLLEGE
AGRA

(ii)

A Brief History and Background

The institution now known as Raja Balwant Singh Collage, Agra began as a small boarding house for Rajput boys in 1885 in Bagh Farzana, situated not very far from the present location of the Agra Campus of the College. The idea of the hostel conceived by Thakur Umrao Singh and his brother, Kunwar Naunihal Singh, of Kotla (Now in Firozabad district of Uttar Pradesh), who made available the outhouse of their residence for the Hostel, which initially had a superintendent and a tutor.

Probably affected by the Indian Renaissance of the second half of the nineteenth century, the Kotla brothers felt need for the educational uplift of the Rajput community, so that it could play its role in the new India that was coming in to being. Agra had been the capital of the North-West Provinces till 1868 and had consequently become a big regional centre, especially in education. The city, therefore, was the natural choice for the Rajput educational venture, and it turned out to be the right choice.

The Kotla brothers, inspired with a kind of missionary zeal, enlisted the support of other leading zamindars for the fuller realization of their plan. Chief of those who came forward were Raja Baldeo Singh of Awagarh, elder brother of Raja Balwant Singh, Raja Lakshman Singh of Wazirpura (known for his Hindi writings and contribution to Hindi literature and Thakur Lekhraj Singh of Gabhana and Thakur Kalyan Singh of Jalalpur (both places in Alighrah district. The following year, Raja Baldeo Singh purchased the present site of the Campus, measuring 20 acres, for Rs. 13, 000, 00 along with Kothi Nautchghar, the former British Recreation Club now housing the R.B.S. Intermediate College and Banglia. The last was the bungalow of an Englishman named Blunt, to whom sons of noted Indians, including Pandit Rajnath Kunzru, brother of Pt. Hriday Nath Kunzru and for many years Honorary Joint-Secretary of the Balwant Educational Society, used to go to for tuition towards the end of the nineteenth century. In 1880, the lab/building of Botany at Bichpuri was inaugurated by Shri V. V. Giri. In 1887 the Hostel was named the Jubilee Rajput Boarding House in commemoration of the Golden Jubilee of Queen Victoria and formally inaugurated by Sir Auckland Colvin, the then Lieutenant-Governor of the North-Western Provinces.

However, the Boarding House was merely a first step; the need was for an institution that could cater to the educational needs of the community. Consequently, the Boarding House was converted into a Rajput School, which was formally opened in 1899 by Elijah Impey, the commissioner of Agra Division. The men behind the School were Raja Balwant Singh of Awagarh and Raja Rampal Singh Bahadur of Kalakankar in Pratapgarh district, U. P.

Soon afterwards, Raja Balwant Singh, who had ascended the throne of Anagram Estate in 1892, took the School under his personal care, showering it with attention, as with funds. He donated a lakh of rupees in 1906 for the construction of proper school buildings, which were completed by the middle of 1913. These buildings consisted of a main central block with hostels on three sides. The construction work was supervised by Thakur Umrao Singh.

The school had become something of an obsession with the Raja, who continued to dole out patronage and money for its development. By 1908 the School had come directly under his management and all expenses were met from the coffers of the Awagarh Estate. It was around this time that the Raja made his Will, in the codicil of which he bequeathed a sum of Rs.9, 30, 000, 00 for the maintenance and further expansion of the School, which was renamed Balwant Rajput High School in recognition of the patronage being given to it by Raja Balwant Singh. In 1909, the generous Raja passed away, carrying with him his

unfulfilled dream of seeing the School flower into a College. But just a day before he died, a beginning had been made in this direction with the purchase of a 49-acre farm near Khandari village, about one kilometre from the School. The income from the Farm was to be used for the maintenance of the School, which in due course was envisaged to become a College.

The hostel life in the School was very comfortable and the students were well looked after. Delicious food was supplied to the hostellers, the charges being Rs.9.00 a month. Special food was supplied on every Sunday and on festival days. Newspapers and magazines were kept in the common Room. There was a dispensary with a doctor and a compounder attached to it". In 1918 Sarojini Naidu visited the school and delivered a lecture.

Like his father before him, Raja Surya Pal Singh took a personal interest in growth and welfare of the institution. He donated a sum of Rs.153000.00 in 1928 for the development of the institution, which took the first stride to becoming a degree college. He gave large sums to Kishori Raman College, Mathura and Rabindranath Tagore's Shantiniketan, revering Tagore as 'gurudev' and welcoming him to Agra in 1929. For ten years (1923-1932) the team of Raja Surya Pal Singh, Honorary secretary and Dr. S.C. Sarkar, Headmaster ran the Institution with care and efficiency. It was during this period that the Institution became known as a first class semi-military school with residential facilities for the Rajput boys. The daily schedule consisted of physical training in the morning, military drill during the day, games in the evening and target shooting and supervised studies at night, The Institution made academic progress during the period, while financially its position was so sound that it did not need grants from the Government and paid attractive salaries to its staff.

The year 1934 marks a turning point in the history of the Institution. That year a young and dynamic man, Ram Karan Singh of Varanasi, was appointed Principal. A restless spirit forever looking for openings and avenues for expansion, Dr. R.K. Singh did the work of a catalytic agent for the institution. No sooner had he settled himself as Principal than he embarked on an ambitious plan of expansion and development that was to convert a small institution in to a mini-university with five teaching faculties, an enrolment of over three thousands students and a teaching staff of over 150 by the time he retired 30 years later.

Dr. Singh went ahead with breathless pace: but he could not have done so if he had not received the active support and encouragement of Rao Krishna Pal Singh, a rare soul whose personality bordered on the divine. Tall in stature as in generosity and goodness, it was Rao Sahib, the gentle colossus, who gave full freedom and support and scope to Principal Ram Karan Singh to make use of his imaginative and administrative abilities. Ably supporting Rao Sahib and often deputizing as the Honorary Joint-Secretary of the Trust, was Pandit Rajnath Kunzru, a friend of the Awagarh family. The years 1934-1964, during which Dr. R.K. Singh was the Principal, can be regarded as the years of hectic development, the years of transformation of the institution from school to college to mini-university and the years when the dream of a central Rajput College took the brilliant and glorious shape.

In his reminiscences of the growth of the Institution and his association with it over a period of 60 years, the scholar-teacher, Dr. T.R. Sharma, has analysed the years of the partnership of Rao Krishna Pal Singh and Dr. R.K. Singh under eight heads, namely, (1) expansion and diversification of educational curricula; (2) the raising of the college to degree status; (3) better utilisation and improvement of educational facilities; (4) development of the teaching faculty; (5) the change from a community institution to a national institution; (6) the emergence of the Bichpuri Campus; (7) collaboration from the U.S.A; and (8) development of research activity in Agra and Bichpuri.

In the first phase of development, the intermediate college was expanded in to a multi-faculty intermediate college. Affiliation in the faculties of Science, Agriculture and

Commerce was obtained between 1935 and 1940. Intermediate classes in Physics and Chemistry began in 1935, in Biology and Agriculture in 1938 and in Commerce in 1940.

In the second phase of development, the Intermediate College was raised to the Degree level: but this could be achieved only after a great deal of effort. While the college authorities, led by the Principal, worked tirelessly towards this end, it was well-wishers like Rani Phool Kumari of Sherkot, P.W. Marsh and Dr. Pannalal, who were advisers to the Governor of Uttar Pradesh and Dr. P. Basu, the then Vice-Chancellor of Agra University, who helped crown the efforts of Dr. R.K. Singh and the college authorities with glorious success. Others who helped in the task were Raja Bahadur Kushal Pal Singh of Kotla, Raja Mahendra Man Singh of Bhadawar and Raja Virendra Singh ji and Deva Bahadur of Jagammanpura.

Following the granting of affiliation by Agra University, degree classes in Agriculture were started in July 1940. With this the dream of Raja Balwant Singh and of other collaborating rulers of princely estates led by the Maharaja of Kashmir had at long last been realized. The opening of B.Sc. (Ag.) was followed by B.Com in 1942, B.A. in 1944 and B.Sc. in 1947. Also in 1947 were started L.T. Classes which were converted to B.T. in 1960 and to B.Ed. in 1964. It needs mentioning that the College was the first private institution in U.P. to start teachers' classes, since until 1947 such classes were held only at the Government Teachers' Training College at Allahabad. Simultaneously with the seeking of affiliation for degree classes in the various faculties, affiliation was sought for the post-graduate classes. The first to start were classes in Agricultural Economics in 1945, the college earning the distinction of being the first institution in the country to arrange for the study of the subject at the post-graduate level. This was followed by M.Sc. (Ag.) classes in Agronomy in 1946 and Horticulture and Animal Husbandry and Dairying in 1949. Post-graduate classes in Agricultural Chemistry could commence only in 1962 and in Agricultural Extension in 1963, by when not only the faculty of Agriculture but all other faculties had achieved post-graduate classes, in Mathematics, Chemistry and Zoology commenced in 1949, in Botany in 1950 and in Physics in 1959. In Arts, Sanskrit was the first to reach post-graduate status in 1946, followed by Political Science and Economics in 1947, Hindi and English in 1949, Geography also in 1949 and Psychology in 1958. M.Com classes began in 1948 and M.Ed. classes in 1960. In 1952, the College started an evening section called Working Men's College for the benefit of those who had to break off their studies after the intermediate class to earn their livelihood. Prof. Dwarka Nath of the College of Education (as the faculty of Education of the College was then called) was made the In-charge. A special three-year degree course was taught at the working Men's College, which was merged with the main college in July 1975. A large number of students who later occupied high positions graduated through the evening college. The classic example is that of a rickshaw-puller, who after graduation from there, went on to become a librarian at Meerut University.

Also with a view to helping unemployed people to further their academic qualification, post-graduation classes in Arts subjects were held in the morning hours, i.e., from 7 a.m. to 10 a.m., a practice that continued till 2005. Library facilities were improved and students were encouraged to make use of them. The Library was kept open from 8 a.m. to 9 p.m. and to help study at night electric table lamps were fitted to reading tables. In winter, heating was done in the Reading Hall. The open-shelf system was introduced to enable students to consult books frequently required by them. A large number of Indian and foreign journals were also subscribed to, and in some cases their back numbers were also acquired. To enrich the library, books from India and overseas were procured, as were Government publications. American books were obtained on the advice of the Baker Library of Harvard University of the U.S.A. Direct shipments of American books were also received. In 1945-46 Olive

Reddick, a good friend and well-wisher of the college, helped Prof. Rudra Dutta Singh of the college, then in the U.S.A. to purchase a large number of books through her father and send them to India. Departmental libraries for post-graduate students and students' libraries for under-graduates were also set up in several departments. One year's sabbatical leave on full pay or two year's leave on half pay was given to teachers who wanted to engage themselves in higher studies in India or abroad.

The Bichpuri Campus: The Bichpuri Campus, situated 12 km from college on the road to Bharatpur, which came into being in 1943 with the acquisition of the 100-acre Government Farm on a five-year lease, was converted to one of 99 acres in 1949. The State Government wanted to transfer the Farm to any agency that could look after it. This followed the report of an expert committee on the working of Government farms, which recommended that on an experimental basis some farms be handed over to private agencies since they were found to be running at a loss. For Dr. R.K. Singh, who was always on the look-out for new areas of development, it was an opportunity for the expansion of the agricultural wing of the institution: so he seized it. To the 100 acres of this he later added 393 acres of adjacent land acquired from the farmers. But 72 acres of this latter land had to be surrendered in settlement of claims, leaving a total of 421 acres with the college. Of this, 280 acres is under agricultural use and the remaining land had been utilized for educational and residential building and for playgrounds. The acquisition of the land was just the first stage of development of the campus. The second stage began with the transfer of M.Sc. classes in Agronomy and Horticulture to Bichpuri in 1948 and 1951 respectively. Agricultural Economics was transferred in 1959, Physics, Chemistry, Zoology and Botany in 1959, Animal Husbandry and Dairying in 1964 and B.Sc. (Ag.) in 1971. M.Sc. (Ag.) classes in Agricultural Chemistry and Agricultural Extension were started at Bichpuri in 1962 and 1963 respectively.

On Founder's Day, 21 September 1953, Dr. Sampurnanand, Education Minister of U.P., laid the foundation stone of the Shri Balwant Vidyapeeth at Bichpuri. 'Balwant Vidyapeeth' was the new name proposed to be given to the group of institutions known as Balwant Rajput College, or more appropriately, all the institutions run by the B. R. High School Trust, later the Balwant Educational Society. That plan was in evidence in the 1950s and the early 1960s, but idea of the Balwant Vidhyapeeth as visualized by Dr. R.K. Singh and others with him appears to have receded far in to the distance rather than realized.

To return to the subject of development of the Bichpuri Campus, the third stage saw the setting up of the Balwant Vidhyapeeth Rural Institute (B.V.R.I) in 1956 under the scheme of Rural Higher Education of the Government of India. Two diploma courses under the national Council for Higher Education were started at the Institute. These were: (1) Diploma in Rural services, a three-year course after the higher secondary stage, equal to the first degree in Arts of a University; and (2) Diploma in Civil Engineering, a three-year course after High school. In July 1962, the Post-Graduate Diploma Course in Rural Economics and Co-operation, a two-year course after the first university degree, was started. The course was accepted by the Government mainly through the efforts of Dr. Douglas Ensminger, Director of the Ford Foundation in India. In July 1971, the Rural Services section of B.V.R.I. was affiliated to Agra University and the Rural Engineering section to the U.P. Board of Technical Education. Both the wings had one Principal till December 1983, when the two were separated and made independent, each with a separate Principal.

The American Connection: From the mid-fifties to the mid-sixties of the twentieth century, Bichpuri became synonymous with Indo-American co-operation in the field of education in the private sector. The basis for this co-operation was provided by grants received from the Rockefeller Foundation of the United States of America. The College received \$270004.50 through announcements dated August 27, 1956 and June 29, 1958. The

funds made available by the Founding were used as matching contribution for capital grants received from the Union and State Government. A spate of building activity followed the receipt of the grants. The planning for the building, all built in Bichpuri, was done by K.N. Mishra, Chief Engineer, Town and Villages Planning, Uttar Pradesh and S.D. Sane, Chief Architect, Uttar Pradesh. Hostels were constructed for residential students, a set of quarters for teachers and a guest house for visitors named Lakshmi Niketan. Also built were the Junior High School building, a swimming pool, the Engineering workshops, the Rural Higher institute, the Animal Science building and the Library, the Rockefeller funds providing the matching contribution to Rs. 2048860.00 received from the Union Government. The high place the developmental activity occupied in the eyes of the top American Administration is illustrated by the fact that the President of the U.S.A., Dwight David Eisenhower visited Bichpuri on 13 December 1959; the visit was part of his Indian itinerary that year. He was accompanied by Prime Minister Pt. Jawaharlal Nehru. This visit was followed by that of U.S. Vice-President Lyndon B. Johnson on May 19, 1961. Johnson travelled by bullock-cart for a while during his Bichpuri visit and laid the foundation stone of the Rural Engineering College, for which a sum of Rs.90000.00 had been provided by the Rockefeller foundation.

A meeting was in due course arranged in New York between U.S. Vice-President Lyndon B. Johnson and Dr. N.K. Anant Rao, then professor of Agronomy at Bichpuri and later Dean of Agriculture at Pantnagar. This meeting was followed by visits to Bichpuri of several officials of the foundation, namely, Wernimont, Flora Rhind, Dr. Cummings and Dr. Guy Baird. Finally, Dr. Harrar himself came with his wife to have a look at the place and the work being done there. The visits underscored the deep interest taken by the Rockefeller foundation in the development of the faculty of Agriculture of the College.

Of the projects and buildings at the Bichpuri campus of the College, that came up with the help of the Rockefeller funds, chief were Jawaharlal Library, the soil salinity laboratory and the college of Rural Engineering. The foundation stone of the Jawahar Library was laid on 19 November 1959 and its inauguration was done by K.L. Srimali, then Union Minister of Education on 24 March 1961. The Rockefeller Foundation provided Rs.182000 while Rs.120000 was received from the University Grants Commission, New Delhi. The planning of the library-building was done by Dr. J.K. Metcalf of the Harvard University Library and the college librarian Dr. K.D. Singh. The soil salinity laboratory was established in 1957 with Rockefeller funds and with the active help of Prof. Warren Schoonover, who stayed at Bichpuri for four years under a USAID programme. The laboratory became the nucleus for starting M.Sc. courses in Agriculture Chemistry in July 1962.

The U.S. Foundation provided visiting professors and English tutors. Among these was Mabelle B. Nardin, a specialist in the teaching of English, who worked from July 1960 to April 1962 with the Department of Education, Dr. Irwin Mahler, who worked with the Department of Psychology during 1962-63 and Dr. Robert Meade in the same department in 1964-65. Dr. W.S. Stewart, Director, State and County Arboretum, Los Angeles, California worked with the Department of Botany.

Under the English tutor programme, the Rural Higher Institute got the services of Micke Brenton and Jean Hinson in 1963-65. The U.S. Foundation sponsored Dr. R.P. Sharma to undergo training in the U.S.A. on the methods of teaching English as a foreign Language. A member of the college staff was sent every year to seminars conducted by the Foundation on American history and culture. Under the Canadian University Service Overseas Programme, a number of teachers visited the college for short periods.

By the time Dr. R. K. Singh retired on June 30, 1964 after serving Principal for 30 years, he had elevated a little-known intermediate college to one of the foremost institutions

of higher learning in the country, whose alumni occupied coveted posts, especially in the field of agriculture in all parts of the world. A great visionary, Dr. Singh dreamed of converting the College into a university and worked for it till the very last years of his life. Even as late as 1984, when he was around 80 years of age, he prepared a plan for the encompassment of the College and all other institutions run by the Balwant Educational Society within the framework of a deemed university. The plan was sent by the Managing Committee of the College for approval to the University Grants Commission.

Dr. R. K. Singh, whom Dr. Tulsi Ram Sharma in his brochure on the history of the College calls “the main architect of the whole range of developments”, was succeeded by Dr. Shiv Narain Singh as Principal. He had joined the College as a teacher in 1940 and was the first Head of the Post-graduate Department of Animal Husbandry and Dairying. He had done much work in the field of animal nutrition and earned international plaudits for his research. As an administrator, he had shown his skills while looking after the Bichpuri Campus right from its inception. Dr. S.N. Singh began the process of demolition of these sheds and construction of proper classrooms. Dr. Roshan Singh, his successor ventured on a more extensive construction plan at Agra.

In July 1971, Dr. Roshan Singh, who had first joined the college in July 1948 as a teacher and later served as Head successively of the Departments of Agricultural Economics and Agricultural Extension, become Principal. It was during his tenure that fuller attention was paid to the Agra Campus. The Commerce Wing, the Science Wing, one lecture theatre and three other rooms were constructed. A gymnasium was built in the open space in front of Block 3 of the College hostel in 1975 and named after Rao Krishna Pal Singh.

It was in Dr. Roshan Singh's period of service that a new campus of the College came in to being at Awagarh in Etah district, some 60 km from Agra and the seat of the erstwhile Awagarh Estate. The creation of the campus in 1976 was the result of the allotment of 321 acres of land, earlier belonging to Raja Surya Pal Singh to the college, by the state Government for purpose of agricultural extension work and training of farmers. A Krishi Vigyan Kendra (Agriculture Science Centre) was established on the campus from grants received from ICAR. A building to house the centre was constructed at a cost of Rs. 4.5 lakhs and residences for the staff built at a cost of Rs.4.00 lakhs. Some 150 acres was brought under cultivation and called Awagarh farm, with a manager overseeing the farming operations. While the Krishi Vigyan Kendra, where training is given to farmers of the region in new methods of cultivation, is maintained by the Central Government through the Indian Council of Agricultural Research, the farm is under the direct control of the college.

During Dr. Roshan Singh's period of leave, Dr. Madhusudan Singh, Head of the Department of Geography, officiated as Principal from September 7, 1984 to July 12, 1985 when Dr. R.P Tiwari, Head of the Department of English of the college, was appointed Principal after being selected to the post by the State Higher Education Services Commission. During Dr. Tiwari term, the Centenary of the Institution was celebrated with the installation of a bronze bust of the Founder, Raja Balwant Singh in the Jawahar Library at Bichpuri and a marble one in front of the Library at Agra. The statue at Agra was unveiled by the then Union Minister for Steel, K.C. Pant, who also addressed the centenary convocation the same day, 4 April 1986.

On Dr. Tiwari's resignation, Dr. Madhusudan Singh again took over as officiating Principal, retaining that position till January 31, 1988, his date of retirement, when Dr. Ravi Chandra Rai, Head of the Department of Physics and the senior-most teacher of the college took over. Dr. Rai handed over the charge to Dr. Jawahar Singh Dhakre on June 26, 1989 on

the latter's appointment as Principal after selection by the State Higher Education Commission.

On 21 September 1992, the old marble bust of Raja Balwant Singh was replaced by an alloy one. The Golden Jubilee year, i.e., 1990-91 saw a programme of consolidation of departments and phased shifting of the post-graduate sections of the departments in the Faculty of Science back to Agra was embarked upon. In the first phase, the Departments of Chemistry and Botany were brought back. Later, physics and zoology would return to Agra.

The Krishi Vigyan Kendra at Bichpuri has been developed as a centre for agricultural research and extension with facilities for the education and training of farmers. A hostel has been built at the Kendra. A building to house the dairy and poultry sections and administrative block have been completed. As the year 1990-91 marked the completion of 50 years of the institution as a degree college, a numbers of programmes were organized all through the year. On Founder's Day 21 September 1990, Mr. Ajay Singh, Union Deputy Minister for Railways, presided over the main function, while the inaugural function of the Golden Jubilee on 5 February at Bichpuri was graced by Mr. Devi Lal, Deputy Prime Minister and Union minister for Agriculture. Dr. Dhakre initiated the Faculty of Engineering at Bichpuri campus in 1995-96 with AICTE approval along with Seed Technology in the Botany Department under vocational self-finance courses. Dr. Dhakre gave charge to Soil Scientist, Dr. V.S. Mehta for six months. The Engineering campus was formally inaugurated by U.P. State Education Minister Shri Narendra Singh Gaur on 5 March 1998.

Dr. G.C. Saxena took over the charge as officiating Principal in 1997 and left the college to join as the Vice-Chancellor of Ram Manohar Lohia University, Faizabad in 1998. During Dr. Saxena's tenure as Principal, he started Courses like Bachelor of Computer Application and Bachelor of Business Administration (under self-financing scheme) in 1998. Dr. S.P. Kashyap officiated as Principal in 1998-99. The faculty of Management and Computer Application at Khandari campus was established 1999 and the B.Tech. Degree course in Chemical Engineering was established during Dr. Kashyap's time the same year. Dr. B.K. Singh, Head of the Hindi Department of the College took charge as the Vice-Chancellor of Kanpur University, Kanpur in 1998. Dr. R.N. Singh from the English Department officiated as Principal from September 1999 to March 2000.

The next era from March 2000 was headed by Dr. B.K. Agarwal who was a regular Principal. Several new courses like B.Tech. Degree in Mechanical Engineering, Bio-Technology and M.Sc. course in Bio-Technology were initiated in 2004 followed by M.Sc. Degree in Seed-Technology course in 2005 and M.Tech. Degree in Food-Technology in 2006. This was the time when College faced the first cycle of NAAC Accreditation in 2004-05 and scored B⁺. Dr. Agrawal supported the construction of a new building of KVK, which was inaugurated by Dr. Mangla Rai, Director General, ICAR and Dr. P. Das, Deputy Director Agricultural Extension, ICAR. An auditorium, a Student Welfare hall and a new administrative block of the college was also built during his tenure. Many eminent personalities visited the college during this period like the Governor of Uttar Pradesh, Vice Chancellors of UP technical University, ICAR delegates and many scientists of national and international repute. Seed production unit was established in 2006. The College was given the UGC-COLLEGE POTENTIAL EXCELLENCE status in 2005.

There has not been a regular Principal in the college since 2008 when Dr. B.K. Agrawal retired and senior-most teachers have been officiating as Principals: their names are – Dr. Gitam Singh (23.06.2008 – 31.12.2008), Shri P.K. Jain (31.12.2008 – 04.03.2009), Dr. R.S. Verma (04.03.2009 – 18.07.2009), Dr. S.P. Shakya (18.07.2009 – 31.08.2009), Dr. R.S. Verma (31.08.2009 – 14.10.2009), Dr. T.R. Chauhan (14.10.2009 – 01.06.2014), Dr. Sushma

Singh (02.06.2014 – 23.12.2014), Dr. R.K. Jain (23.12.2014 – 01.07.2016) and Dr. Anupam Goel (01.07.2016 – till date).

During 2008-2016, the College expanded and established separate campuses (Raja Balwant Singh Engineering Technical Campus and Raja Balwant Singh Management Technical Campus) with separate norms/administration as per their affiliating universities and bodies like AICTE and added new courses such as Civil Engineering, Electrical Engineering, Architecture and Town Planning, Pharmacy, integrated MBA and MCA. Construction of Society office, City office, renovation of old buildings and formation of new administrative cells has taken place in the College in accordance with the norms of UGC–XIIth Plan and IQAC.

The College has achieved DSIR recognition, CPE Phase–II Grant, DST-FIST Grant, DST-MoES Seismo-Electromagnetics and a Space Research Laboratory along with much national and international collaboration. The Alumni of the College include many Director-Generals of ICAR, Directors in IARI, GB Pant University of Agriculture and Technology, Pant Nagar, the present Director of NAAC, Vice Chancellors of many universities, Defence personnel, officials of DST, DBT, ICAR, UGC, UPCAR, Principals of other colleges, Professors in universities, executives in seed companies, multinational companies and members of literary organisations and NGOs.

Some notable renowned personalities who have been associated with the College are BHARAT RATNA Prof. C.N.R. Rao, eminent scientist and former Head of the Scientific Advisory Council to the Prime Minister of India, Prof. M.S. Swaminathan, the Father of Green Revolution in India, Prof. Girijesh Kumar Mehta, Ex-Director, IUAC and former Vice-Chancellor, Allahabad University, Allahabad, the Magsaysay Awardee (Community Leadership, 1981) and the Padma Shri Dr. Pramod Karan Sethi- inventor of the "Jaipur foot", an inexpensive and flexible artificial limb.

Research: Various departments of the college have so far produced over 500 Ph.D.s and well over 1000 research papers have been published by teachers and research scholars.

An important fact worth mentioning here is the encouraging report submitted by the seven-member U.G.C. Committee that visited the College on October 10, 1977. The UGC Committee in effect accepted the College as a university when it said in its report:

“The work done by the different departments is commendable. Each of the campuses at Agra and Bichpuri has an excellent and spacious library. The College is maintaining an ideal student-teacher ratio of 20:1 considering the multi-faculty character, academic work and enrolment and the sprawling campuses, the college gives the impression of being a residential university in itself.”

Whatever be the fate of the long-pending and justified demand of the College for the university status, the story of the college so far has been outstanding and incredible. Who would have visualised that a modest Boarding House in the outhouses of a private residence with 20 boys and a tutor would expand one day into an institution spread over 807 acres and five campuses, with over 8000 students, over 250 teachers and an equal number of research workforce and other staff ?

SWOC ANALYSIS

(STRENGTHS, WEAKNESSES, OPPORTUNITIES AND CHALLENGES)

I. STRENGTHS

Strengths of the College

- a) Pursuit of excellence
- b) Character formation
- c) A spiritual vision of life, with emphasis on promoting a spirit of selfless service.

PURSUIT OF EXCELLENCE

- a. R.B.S. College, Agra has remained a preferential option for the students from the poor and rural background. The College resounds in a robust work culture. All lectures/labs are held. Work begins and ends on time. Students are accorded personal attention, based on their need and willingness to be helped.
- b. There is total commitment to transparency in admissions and appointments in the College.
- c. The College resonates with an inspired sense of discipline and motivation. For students desirous to make career in Defence forces, National Cadet Corps comprising of Army wing is functional, regularly imparting training to the students in the true spirit of NCC. Many former students of the College are serving in the defence forces as officers.
- d. The College believes in and lays utmost emphasis on the holistic idea of education which lies due emphasis on the growth and development of total personality of a student. This is addressed through a large number of societies, clubs and cells (14 in all) that organize high-quality co-curricular programmes all through the year, which complement class-room transactions.
- e. The College abounds in educational infrastructure. It represents and symbolizes royal heritage. The buildings are architecturally majestic, though simple. Its façade is recognized globally.
- f. The College maintains a beautiful and clean campus. Basic to the educational philosophy of the College is the insight that the learning environment needs to be both beautiful and clean. The campus ambience is in sync with the Prime Minister's Swatch Bharat Abhiyan.
- g. With a view to facilitate the students and teachers in their learning, there is a large Central Library in the College which is well-equipped with over 100,000 books, research journals, newspapers, magazines and internet facility. For the postgraduate students, individual departments have their own departmental libraries.

CHARACTER FORMATION

Character is understood as the discipline of organizing oneself according to objective values, norms and principles. The College ensures availability of teachers outside classroom and working hours to guide and counsel the students as per their

needs. Regular efforts are made to promote a deep sense of bonding among students, despite their diverse social and economic backgrounds. The College is truly a microcosm of India in its unity-in-diversity.

The routine, discipline and atmosphere in the College are quite conducive to the building and sharpening of character of students who are encouraged to

- Be responsible, regular and punctual
- Develop the capacity to think objectively and discuss freely
- Polite and courteous in conduct
- Inculcate the spirit of service
- Nurture an attitude of respect towards the environment. We keep our environment litter free and clean. Students respect the inviolability of the campus.
- Foster an outlook on life based on equality and freedom from discrimination of any kind

II. WEAKNESSES

We are conscious and aware of our weaknesses, which are enumerated below. Any institution that is truly geared to the pursuit of excellence cannot be blind to its weaknesses and shortcomings. We have been sincerely and constantly working on the improvement and betterment of various areas and aspects where the College falls short. We derive inspiration from the inspiring words of Robert Frost, the great American bard, who wrote in his lovely poem ‘Stopping by Woods on a Snowy Evening’:

“The woods are lovely, dark and deep,
But I have promises to keep,
And miles to go before I sleep,
And miles to go before I sleep.”

- The ratio of student-teacher has worsened in recent years and it has affected the student-teacher dynamics. Our eagerness to ensure optimum quality in education has also suffered because of this.
- We realize that the repertoire of our academic offering is somewhat limited. At a time when inter-disciplinarily is the norm, we cannot afford to stay frozen and anchored in our old vision, which has its relevance in the past but now we need to revise and revamp our knowledge imparting systems and learning and teaching philosophy in commensuration with the modern-day advancements and requirements. We are lacking on this front.
- Financially we are not a rich institution. The Management of the institution is not rich and wealthy enough to invest any further into the continued growth and development of the College. But we are proud of our austere ways and Spartan existence. We need funds to rejuvenate and rehabilitate our old buildings which are in a dilapidated state. The tremendous increase in the number of students over the years has left the College wanting in modernization with more infrastructures in terms of buildings, new classrooms and laboratories. We need funds to provide better facilities to the students and

to enhance the qualitative functioning of the College. This is necessary as the syllabi have been revised and the world is changing very fast.

- While the campus of the College is big and sprawling, the College is still striving for basic facilities and amenities and their maintenance. We need additional facilities like conference centres, guest house, seminar rooms, smart classes, e-library, auditorium, well-equipped instrumentation labs and automated offices.
- There are three boys' hostels in the college premises which need renovation and extension at fast pace to provide better facilities to the hostellers.
- With the self-financing outreach of teaching and non-teaching services, the old sense of loyalty to the institution and a sense of belonging together as an academic family have been diluted. Students' preference towards self-finance colleges is increasing due to 'other favourable practices' given by them.
- Despite the onset of the modern culture, the sense of tradition still sustains here in R.B.S. College but with a lot of dilution and watering down in almost every sphere. We know that we should not console ourselves by singing laurels of our glorious past.
- Due to the growth in the student population and ever-increasing urbanization of migration of the people from village to cities, there is shortage of teaching and non-teaching staff in the College. The student-teacher ratio has shot up to 60:1 exhibiting overcrowding. We suffer from this challenge and limitation. The UGC suggests that the ratio should be 20:1

III. OPPORTUNITIES

The core strength of the College lies in its being one of the oldest and finest Agriculture colleges in India. When it comes to Agricultural studies and research, students, scholars and scientists prefer R.B.S. College, Agra over other institutions. We are sure that as the years go by this reputation of the college will gain more and more strength and open new vistas of education and research in the field of Agricultural studies.

The College is well-poised to take advantage of the various schemes on offer from the UGC, DBT, ICAR, DST, MHRD, AICTE and ICSSR for expansion, development and up gradation of facilities available in the College.

While there has been a robust culture of academics at the postgraduate and research levels, schemes and endeavours are in the offing to initiate and invigorate a research culture at the undergraduate level.

There is immense scope for starting new courses with focus on interdisciplinary studies.

The following are some of the notable recognitions of R.B.S. College, Agra, which help us in asserting our claim in being a leader in the cause of spreading education and in finding and opening new opportunities in education:

- The College is a very old institution (115 years) and has tremendous legacy of academic achievements.
- It has one of the largest campuses (807 acres) in the country.
- Five campuses and eleven faculties: Arts, Commerce, Education, Science, Agriculture, Engineering & Technology, Pharmacy, Architecture & Town Planning and Management & Computer Application.
- It is the first college in India to award Postgraduate degree in Agriculture.
- The architecture of the Bichpuri campus of the College was designed by an Italian Architect.
- Mr. DWIGHT D. EISENHOWER, the American President came to this college with former Indian Prime Minister Jawaharlal Nehru in 1959.
- American Vice-President Lyndon Johnson visited the College in 1961.
- The College is an exemplary specimen of Indo-American cooperation.
- The College got huge financial grants and academic support from the Rockefeller Foundation of the USA.
- It is the first College to have been given the DSIR recognition.
- A state-of-the-art research lab for seismo-electromagnetics was set-up in the Bichpuri campus of the College by MOE & DST.
- The Botany Department of the College has the FIST sponsored by DST.
- It is a Study Centre of IGNOU.
- It is a Study Centre of UPRTOU, Allahabad.
- 4 All India coordinated research projects of ICAR and 2 Krishi Vigyan Kendras are running in the College.
- The College has the rare distinction of being among the very select institutions in the entire country which have two KVKs.
- It also has the distinction of being the only institution in the entire state of Uttar Pradesh to be running the prestigious Cost of Cultivation Scheme of ICAR.

IV. CHALLENGES

While there are achievements, glories and successes in the kitty of R.B.S. College, Agra, as described above, the College is faced with a lot many challenges at present. The salient challenges are mentioned below:

- There is the challenge to enhance student strength through focussed career oriented multi-disciplinary education and employment opportunities.
- We need to add significantly to our infrastructure and to add to the basket of courses we offer.
- We have to maintain the balance between educational technology and human status. This has reference to the Guru-Gadget balance in life and in education, which is creating all sorts of problems and issues in the modern-day life in the

college and at home as well with internet, technological advancements, gadgets, mobile, laptops, tablets and e-books penetrating every part of our life.

- We are faced with a challenge to remain rooted in the time-honoured core traditions of the College, especially its Royal heritage foundation and legacy, in a secularizing and modern world.
- There is also a huge task to foster a deep sense of commitment in the fresh faculty appointees who hail from different traditions and completely different academic milieu.
- We also have to grow without outgrowing our own selves, which means that we must grow without compromising the quintessential character and culture of the College.
- There is a need for a change in approach, processes and strategies for offering better options, opportunities, facilities and deliverables to the students and academic community in order to attract the student community who might be otherwise drawn towards other institutions providing better package.
- Of late, there has developed a threat to some conventional subjects and traditional streams of learning. Hence, urgent measures are required to be put in place to revise and revamp the course contents with a view to make them student-friendly and relevant to the career goals of the knowledge seekers.
- Incept teaching at the school levels quite often leads to incomplete education. Lately the College has experienced a decline in students' quality and commitment to studies.

SUMMARY

Raja Balwant Singh College, formerly known as Balwant Rajput College, is known for its phenomenal epoch-making progress. The Institution, having a gigantic stature presently, started as a small boarding house for 20 students established way back in 1885 in the outhouses of "The Kotla House" in Bagh Farzana area of Civil Lines, Agra. Credit goes to Raja Balwant Singh of Awagarh, the founder, to get the Boarding House recognized as the High School in 1899, from where the first batch of students appeared at the Matriculation Examination of Allahabad University in 1901.

The High School was raised to the level of an Intermediate College in 1928 and to that of a Degree College in 1940. With the commencement of degree classes in 1940, the institution was reorganised to establish two separate institutions- The B.R. High School and The B.R. College (degree and intermediate classes)- In 1966, the Intermediate classes running in the degree college were merged with the High School making it an Intermediate college.

The pace of development of the College from 1940 onwards has almost been breathtaking as apparent from the affiliations granted to the college for different degrees given below:

Year	Degree/Diploma
1940	B.Sc. (Ag.)
1942	B.Com
1944	B.A.
1945	M.Sc. (Ag.) Agricultural Economics (First in India to introduce this Degree
1946	M.A. Sanskrit & M.Sc. (Ag.) Agronomy
1947	B.Sc., L.T. converted to B.T. in 1960 B.Ed. in 1964, M.A. Political Science and Economics.
1948	M.A. Hindi, English, Economics and M.Com.
1949	M.A. Mathematics, Geography, M.Sc. Mathematics, Chemistry, Zoology, M.Sc. (Ag.) Horticulture and Animal Husbandry & Dairying.
1950	M.Sc. Zoology
1958	M.A. Psychology
1959	M.Sc. Physics
1960	M.Ed.
1962	M.Sc. (Ag.) Agricultural Chemistry & B.Sc. Statistics

1963	M.Sc. (Ag.) Agricultural Extension
1992	Diploma in Library Science (Self-financing) later closed.
1995	M.Sc. (Ag.) Genetics & Plant Breeding (Self-financing), M.Sc. (Ag.) Agri. Zoology and Entomology (Self-financing)
1996	Faculty of Engineering & Technology (Self-financing) four year degree (B.Tech.) course in- (i) Food Technology & Engineering (ii) Electronics & Communication (iii) Computer Science & Engineering
1996	Vocational Course (Seed Technology)
1998	Bachelor of Computer Application, Bachelor of Business Administration (Professional courses under self-financing scheme)
1999	Master of Business Administration Master of Computer Application B.Tech. Degree in Chemical Engineering
2004	B.Tech. Degree in Bio-Technology, B.Tech. Degree in Mechanical Engineering, M. Sc. Degree in Biotechnology (Self-finance).
2005	M. Sc. Degree in Seed Technology (Self-finance).
2006	M. Tech. Degree in Food Technology
2011	Faculty of Pharmacy
2011	Faculty of Architecture & Tourism Planning
2012	B. Tech. in Civil Engineering
2012	B. Tech. in Electrical Engineering
2012	M. Tech. in Electronics & Communication Engineering
2014	M. Tech. in Computer Science & Technology
2014	M. Tech. in Biotechnology

The old Balwant Rajput College was rechristened Raja Balwant Singh College in July 1967 in pursuance of the directive from the State Government to drop words with caste denominations from the name of the Institution. It provides facilities for imparting higher education to all eligible candidates without any distinction of caste, creed, colour, race or sex. The college celebrated its **GOLDEN JUBILEE** on completion of 50 years as a Degree College in 1990-91. It is the **BIGGEST COLLEGE OF ASIA-PACIFIC** as regards the area it covers and the disciplines taught.

CAMPUSES OF THE COLLEGE

The work and activities of the College are carried out on five major campuses spread over two districts of Agra and Etah. The Campuses are:

- 1- **The Agra Main Campus (20 acres)** has Administrative block, Library, Gymnasium, Arts, Science and Commerce faculties, hostels, residential blocks, Post office, Bank and student welfare hall.
- 2- **The Khandari House Campus, Agra (20 acres)** has the faculty of Education, Girl's Hostel, guest house and Staff Quarters.
- 3- **The Khandari Farm Campus, Agra (25 acres)** has the Faculty of Management & Computer Application, Society building, Botanical Garden and the Seed Technology Farm.
- 4- **The Bichpuri Campus, Agra (421 acres)** comprises of :
 - (1) Faculty of Agriculture
 - (2) Various Campuses of Pharmacy, Architect and Engineering
 - (3) Krishi Vigyan Kendra
 - (4) All India Co-ordinated Research Projects sponsored by ICAR and Ministry of Agriculture, Govt. of India
 - (5) Agriculture Farms
 - (6) RBS Engineering Technical campus, Pharmacy and Architect campus,
 - (7) Guest houses, sports ground, library, Cooperative, Residences and Bank/post office
- 5- **The Awagarh Campus, Etah. (321 acres)** has the Krishi Vigyan Kendra of ICAR and Farms.

COURSES OF STUDY

The College preparing students for the various examinations of Dr. B.R. Ambedkar University (AGRA) and the Dr. Abdul Kalam Technical University, Lucknow has its teaching programme organized on the various campuses of the college under eight Faculties having following 29 Post Graduate and 12 Under Graduate departments :

Post Graduate Departments

- | | |
|---------------------------------|-----------------------------------|
| *1. Hindi | *2. English |
| *3. Sanskrit | *4. Political Science |
| *5. Economics | *6. Psychology |
| *7. Geography | *8. Mathematics |
| *9. Physics | *10. Chemistry |
| *11. Botany | *12. Zoology |
| *13. Business Administration | *14. Accounts & Law |
| *15. Applied Business Economics | *16. Agronomy |
| *17. Horticulture | *18. Ag. Chemistry & Soil Science |

All the above Departments plus following Departments have Under Graduate course:

1. Military Studies
2. History
3. Sociology
4. Statistics
5. Plant Pathology
6. Agril. Engineering
7. Agril. Mathematics & Statistics
8. B. B. A.
9. B. C. A.
10. Bachelor of Technology/ Pharmacy/
- Architect
11. B. Ed.
12. Seed Technology

Note: In each class 21% seats are reserved for Scheduled Castes, 27% for Backward classes, 2% for Scheduled Tribes, 2% for Differently Persons.

Number of permanent and temporary members of the teaching staff (Excluding the staff engaged in Self-financing Faculties)

R.B.S.College,Agra

Number of students enrolled in the college for the current academic year according to regions and countries (2016-17) (Excluding the students in self-financing Faculties)

Student Enrol.	UG			PG			Ph.D.			Diploma / Certificate			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
No. of students from the same state where the college is located	1145	2276	3421	1251	732	1983	--	-	-	-	-	-	2396	3008	5404
No. of students from other States	146	139	285	131	55	186	--	-	-	-	-	-	277	194	471
No. of NRI students	-	-	-	-	-	-	--	-	-	-	-	-	-	-	-
No. of overseas students	-	-	-	-	-	-	--	-	-	-	-	-	-	-	-
Total	1291	2415	3706	1382	787	2169	--	-	-	-	-	-	2673	3202	5875

LONG TERM RESEARCH PROJECTS: The following Long term Research Projects are functioning in the College under the Faculty of Agriculture.

1. **All India Coordinated Cropping Systems Research Projects**, Sponsored by Indian Council for Agriculture Research, Govt. of India, New Delhi.
2. **All India Coordinated Research Project for Dry Land Agriculture**, Sponsored by India Council for Agriculture Research, New Delhi
3. **All India Coordinated Research Project of Salt Affected Soil and use of Saline Water in Agriculture**, Sponsored by Indian Council for Agriculture Research, New Delhi.
4. **Comprehensive Scheme for the Study of Cost of Cultivation of Principal Crops in U.P.** Sponsored by Ministry of Agriculture Govt. of India, New Delhi
5. **Krishi Vigyan Kendra, Post Awagarh, Distt. Etah**, Sponsored by ICAR, New Delhi.
6. **Krishi Vigyan Kendra , Bichpuri**, Sponsored by ICAR, New Delhi

Total Budget of the College – Rs. 15, 43, 92,473.00 (F.Y. 2015-2016)
(Details given below)

<u>Name of Account Head</u>	<u>Amount (Rs.)</u>
1. Maintenance Fund	57,49,059.00
2. Salary Payment	4,40,18,018.00
3. Hostel College	7,28,000.00
4. Faculty of Management of computer	2,23,80,626.00
5. Faculty of Engineering & Technology	3,08,04,587.00
6. Faculty of Engineering (Hostel)	38,16,569.00
7. Self-Finance (Agriculture & Science)	51,23,164.00
8. B.B.A. & B.C.A.	51,57,737.00
9. Agriculture Farm (Awagarh)	36,32,620.00
10. Agriculture Farm, Bichpuri (Agra)	5,52,523.00
11. Games & Sports	6,42,408.00
12. Cost of Cultivation	1,68,04,234.00
13. D.L.A Projects	27,74,982.00
14. Cropping System Research Projects	7,69,530.00
15. Management of Salt Affected Soil and use of Saline Water Project	33,17,865.00
16. Krishi Vigyan Kendra, Awagarh	34,00,000.00
17. Krishi Vigyan Kendra, Bichpuri (Agra)	30,00,000.00
18. Research Development Fund	6,80,921.00
19. Development	1,78,140.00
20. Building Repairing	1,78,140.00
21. Boys Fund (P.B.F. + Medical+ Magazine+ Social Welfare + Identity Card & Dairy Cultural Activities)	6,83,350.00
TOTAL	<u>15, 43, 92,473.00</u>

It may be mentioned here that this College has been declared as “**The College with Potential Excellence**” by the U.G.C. in the year 2004. New Delhi. It was accredited by NAAC in the year 2005 and was graded **B+** and the Education Faculty was graded **B** separately.

CRITERION – WISE REPORT

1. Curricular Aspects

Vision of the institution:

“To be committed to the pursuit of excellence in higher education, character building, holistic development of personality and knowledgeable citizenship.”

Mission of the institution:

- (A) To keep abreast with innovation frontiers of education, knowledge, research and development for mentoring rural and urban students, so as to serve society in a better way.
- (B) To Create, Generate and Disseminate Quality Education and provide State of Art Infrastructure in Research, Instrumentation Demonstrations and Advisory to Students and Farmers for Career Settlement and development.
- (C) To bestow preservative attitude towards inherited, tangible and incredible prodigious heritage and culture in the students of future eras.
- (D) To inculcate discipline, confidence, creativity, scientific temper, morality, intellect and self realization to attain paradigms of success in life.

With this mission in mind various courses of study have been started. However, the curricula proposed by UGC/ICAR/AK Technical University and approved by the Board of Studies of Dr. B.R. Ambedkar University, Agra are adopted by the College; Thus, the college has no liberty in framing the curricula in various faculties at its own level. These curricula have been designed by the UGC/ICAR/AICTE/NCTE to fulfil the needs of the society and students. The existing curricula are reviewed and updated periodically as and when necessary by the Board of Studies of the University.

2. Teaching Learning and Evaluation

The programmes of teaching and learning are consistent with the goals and objectives of the institution. Well qualified teachers, selected by U.P. Higher Education Commission, Allahabad/the College Managing Committee, and are engaged in teaching the students in various subjects making use of audio-visual aids.

In Agriculture, Biotechnology, B.Tech., M.B.A. and M.C.A. Semester System is followed in which the progress of students is monitored through monitoring test. It is also planned that the final year students of Post Graduate classes in the faculties of Agriculture/Arts/Commerce/Education are given project work to train them in the methods of research and critical analysis. Students are constantly encouraged to consult the teachers if they face difficulty in grasping the subjects being taught of them. The faculty members participate in

seminars, workshop, symposia, refresher and orientation courses to update their knowledge in the subject(s) to be more skilled human resource committed to the cause of teaching and learning. Besides, faculty members update their knowledge by consulting latest books and journals in the library. The libraries have 1, 22,624 books. Regarding evaluation, the students have to take the examination organized by the Universities and their answer books are evaluated by the examiners- Internal and external appointed by the Universities. The College makes arrangements for conducting the examinations as per University programme and ensures that no unfair means are used by the students.

3. Research, Consultancy and Extension

The teachers of Post- Graduate departments take interest in research activities, which is amply evident by the research output, in terms of patents, agroproducts, and developed processes, publication of books, articles and research papers in various journals of national and international repute.

The College publishes two journals entitled "Journal of Scientific and Agricultural Research" annually for circulation of the research work carried out in various departments. A Research Advisory Board is in existence which meets once in a year i.e. April to discuss the research activities of all the Post Graduate departments.

The College brings all its extension activities in the fields of agriculture and education under the umbrella of Post Graduate department of Agricultural Extension in the Faculty of Agriculture, Botany Department and the Department of Education. These activities mainly focuses on the needs of the farmers and secondary and primary school teachers of the Agra and Etah districts in particular and nation in general. Krishi Vigyan Kendras- one at Awagarh and the other at Bichpuri- are making a notable contribution in the field of agriculture and extension.

It is only the College in the Country where 4 All India Coordinated Agricultural research projects and 2 Krishi Vigyan Kendras are being executed.

Almost all teachers are engaged in active research by guiding research scholars for Ph.D. degree and supervising research projects financed by UGC, CSIR, INSA, ICAR, DST, DBT,DAE, CST, UPCAR etc.

4. Infrastructure and Learning Resources

The College campuses spread over in an area of about 800 acres in urban and rural setting provide an ideal surrounding for an academic institution. The majestic buildings at different campuses provide ample teaching space for nearly 8000 students. Departments are well furnished and the laboratories are

well equipped with instruments. The College has made its mark on the national and international map. The College has enough lavatories and drinking water facilities through water coolers installed at different places in all the campuses.

The College provides opportunity to students from both sexes to develop healthy relationship by organizing extra-curricular activities together, going for N.C.C., N.S.S. and Rovers/Rangers camps together under the strict supervision of teachers. The Common Rooms are available for both boys and girls in the College. This healthy environment is the main characteristics of the College.

The College has adequate library facility in all the campuses. Libraries of the College have more than 1.22 lakhs book and subscribes for about 220 various journals of national and international repute. The library has open Self System and Books Bank facility. There are about 350 computers in various departments of the college. Infrastructure for Information Technology has been developed in the Engineering Campus.

The College had indoor games facilities, Gymnasium hall and well developed four sport grounds at Agra and Bichpuri Campuses. We have facilities for games like cricket, hockey, basketball, badminton, table-tennis, football, volleyball etc. There are nine hostels for boys and girls having accommodation facilities for more than **eight hundred** students. There are **three Guest Houses** one each at Agra, Bichpuri (Agra) and Awagarh Campus (Etah) and **two Guest Houses** in Engineering Campus. There is one **Consumer Cooperative Society** in the College working for staff and students on 'no loss no profit' basis. **Five buses and 10 vehicles** provide adequate transport facilities for staff, students and scientist.

5. Student Support and Progression

One of the distinctive features of the College is its commitment towards teaching Effective classroom teaching improves considerably the performance of the Students. Our college is known as a feeder college for Universities/Agriculture Universities, ICAR institutes and other prestigious institutions. The performance of our students in other Universities is quite satisfactory and they earn fame for the College. A large number of old students are member/life member of **Rao Krishan Pal Singh student's aid and Old Boys Association**. This association is a very active body and keeps on planning for the growth and development of the College. Many of the alumni of the College have been placed at various higher positions, like Dr. O.P. Gautam and Dr. Punjab Singh (Ex-Director General of ICAR), Dr. Mangal Rai (Ex-Director General of ICAR, who started his career in this institute), Dr. Dhyan P. Singh (Ex-Vice Chancellor, J.N.K.V.V. Jabalpur), Dr.

P.P. Singh (Ex-Vice Chancellor, Sardar Ballabh Bhai Patel University of Ag. & Tech., Meerut) Dr. N.C. Gautam (Ex-Vice Chancellor, Poorvanchal University, Jaunpur), Dr. Dhirenra P. Singh, Ex-Vice Chancellor, Hari Singh Sagar University, Sagar, Ex-Vice Chancellor, BHU, Varanasi and Devi Ahilya Bai University, Indore, Dr. R.K. Singh (Founder Vice Chancellor, Meerut University, Meerut & Himanchal Pradesh University, Shimla). Dr. Roshan Singh (Ex-Director, C.D.C. Agra University, Agra), Dr. B.R. Tripathi (Ex-Vice Chancellor, N.D. University, of Ag. & Tech. Faizabad), Dr. Hari Gyan Singh (Ex-Vice Chancellor, Sher-e-Kashmir University of Ag. & Tech. Kashmir), Dr. R.L. Paliwal (Ex-Director, Maize Programme, CIMMYT, Mexico), Dr. Ram Bilas Sharma (A famous Hindi critic), Dr. G.C. Saxena (Ex-Vice Chancellor, Purvanchal University and Ex-Vice Chancellor, Dr. B.R. Ambedkar University, Agra), Dr. Pratap Narain (Ex-Director, CAZRI, Jodhpur & Vice-Chancellor Rajasthan Agric. University, Udaipur) etc.

Every effort is made to provide necessary support services like prospectus, college magazine and recreational facilities such as cultural programmes and indoor and outdoor games. Admissions to various disciplines in the college are made through Entrance Test and strictly on merit basis which is prepared as per norms provided by the Admission Committee of Dr. B.R. Ambedkar University, Agra every year. Only 50-60% of the total applications get success in seeking admission in the College.

Financial aid is provided to the poor and meritorious students at the College level in Faculties of Engineering and Management & Computer Application. Rao Krishna Pal Singh Students Aid Society provides financial aid to the poor and meritorious students in addition to various government (Mandi Parishad, Agra) and social agencies (Zindal and Shyamji Trust. New Delhi). SC/ST students are provided financial assistance from the Social Welfare Department of the State Govt.

There is a Placement Cell at all Campuses that offers career counselling and placement of students of all the faculties in firms and institutions.

Every member of the institutions is free to meet the Principal and may seek the redressal of his/her grievance, if any. Members of Proctorial Board activity help in maintenance of discipline in the College.

The institution uses its managerial skill for utilization of human resource effectively. A committee constituted as per rules of the Government does the recruitment of teaching staff for self-finance courses.

A Selection Committee framed as per rules of the Government headed by President and Principal of the College for Class III and IV employees respectively selects non-teaching staff. The approval of these selections is sought from the Regional Higher Education Officer.

6. Organisation and Management

The College has a fairly well organized structure to manage its internal affairs and the academic and official affair/activities. The Principal manages internal management of the College with the help of various committees constituted by him i.e. Admission Committee, Time-table Committee, Construction Committee, Games Committee, Cultural Committee, Research Advisory Board, Grievance Redressal Unit, Students Welfare Committee, Library Committee, Beautification Committee, Purchase Committee, Farm Advisory Board, Proctorial Board, and Editorial Boards for Journals & Magazines etc. The Management Committee, the Finance Committee, the Progress Review Committee, the Administrative Committee, the Executive Committee including Dean of Faculty, Professor In charge & Senior teachers and other Committees for various purposes work together at a satisfactory level to improve the academic atmosphere in the College. The periodic meetings of various Committees are called to review the existing position. The Management Committee, Administrative Committee and Executive Committee of the College are headed by District & Session Judge, Agra.

7. Healthy Practices

The College is comparable to a University in size, resources and level if educational programmes. This College is a multi-faculty College. Its functioning is fully democratic and all the organs of the College contribute in maintaining the reputation of the College. The various Committees play pivotal role in the day-to-day running of the College. The standard of teaching, research and extension in the College is of quite satisfactory level and is acknowledged by the society and other government and private agencies. The relationship between staff and administration is cordial and a good understanding exists between the two organs in smooth running of the College. Non-teaching staff of the College contributes effectively along with academic staff in maintaining discipline. They also play an important role during examinations.

The College celebrates the **Founder's Day** every year on **September 21**, the birthday of **Late Raja Balwant Singh Ji**. The main features of the day are Hawan Yagya, Lecture, Volleyball and Football matches followed by light and sound programme at night.

The programmes concerning awareness in the field of health and hygiene, literacy, environment pollution, Aids, drug addiction and blood donation etc. are being carried out for the masses through NSS, NCC and Rovers & Rangers. Annual sports are organized every year in which a sizeable number of students participate and win prizes and certificates of proficiency. Independence Day and Republic Day are celebrated every year with great zeal.

SELF-STUDY REPORT

Profile of the College

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	RAJA BALWANT SINGH COLLEGE	
Address :	RAJA BALWANT SINGH MARG, KHANDARI	
City : AGRA	Pin : 282 002	State : UTTAR PRADESH
Website :	http://rbscollegeagra.edu.in/	

2. for Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. ANUPAM GOEL	O: 0562-2858616 R:	9897042528	---	rbscagra_2007@rediffmail.com
Vice Principal	---	---	---	---	---
Steering Committee Coordinator	Dr. RAMVIR SINGH CHAUHAN	O: R:	9412167566		rvschauhan@yahoo.com

3. Status of the Institution:

Affiliated

College

Affiliated College / Constituent College

Any other (specify)

4. Type of Institution:

a. By Gender

i)	For Men	
ii)	For Women	
iii)	Co-education	√

b. By Shift

i)	Regular	√
ii)	Day	
iii)	Evening	

5. It is a recognized minority institution?

Yes

No

√

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

N.A.

6. Sources of funding:

Government

Grant-in-aid

Self-financing

Any other

√
√

7. a. Date of establishment of the college: **1885; 1940-As Degree College**

b. University to which the college is affiliated / **Dr. Bhim Rao Ambedkar**
or which governs the college **University, Agra**
(If it is a constituent college) **Dr.AKTU,Lucknow**
for **Engineering and Management**
Technical **Campuses**

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i) 2 (f)	1956	Ref. UGC Website
ii) 12 (B)	1956	Ref. UGC Website

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)
(Encl. – 01a,b,c)

- d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i) NCTE	Department of Education Raja Balwant Singh College, Agra	B. Ed – 10.06.2015 M. Ed. – 11.06.2015	2015-16 Onwards	Encl. – 02 (a)
ii) DSIR	Science and Engineering Faculties	17.05.2012	31.03.2015	Encl. – 02 (b)
iii) AICTE	Engineering and Management Campuses	Engineering 05.04.2016 MBA 07.06.2016 MBA Tourism 07.06.2016 MCA 07.06.2016	2016-17	Encl. – 02 (c)
iv) PCI	Pharmacy Campus	05.04.2016	2016-17	Encl. – 02 (d)
v) COA	Architect Campus	05.04.2016	2016-17	Encl. – 02 (e)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes ☒ No ☐

If yes, has the College applied for availing the autonomous status?

Yes ☐ No ☒

9. Is the college recognized

- a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☒ No ☐

If **yes**, date of recognition: **F. No. 12-1/2003(NS/PE) dt. 02/10.09.2004 (Encl. – 03)**

- b. for its performance by any other governmental agency?

Yes ☒ No ☐

If yes, Name of the agency **NAAC** and **DSIR**
 Date of recognition: **February, 2005** (Encl. – 04,2(b))

10. Location of the campus and area in sq.mts:

Location *	URBAN,SEMI URBAN & RURAL
Campus area in sq. mtrs.	20+ 20+25+421+321=807 acres (3265813 Sq. Mtr.)
Built up area in sq. mtrs.	286450 Sq. Mtr. (Approx.)

The college has five campuses: Three are located in Agra city(Urban),one campus is located in Bichpuri,12 kms away from Agra city(Rural) and One is located in Awagarh (Distt.Etah) 65 kms away from Agra city(semi Urban).

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex **01 Auditorium**
06 Seminar Complexes
- Sports facilities
 - * Play Ground **YES**
 - * Swimming Pool Under Renovation
 - * Gymnasium **YES**
- Hostel
 - * Boys' Hostel
 - i. Number of hostels **05(3 under renovation)**
 - ii. Number of inmates **150 each**
 - iii. Facilities (mention available facilities) : Common Room,
Medical,
R.O.
Games,
Mess, Indoor TV,
Water, Indoor
Visitors' Room
 - * Girls' Hostel
 - i. Number of hostels **03(one under renovation)**
 - ii. Number of inmates **150**
 - iii. Facilities (mention available facilities) : Mess, Common

Room With TV, Facilities for Indoor Games, R.O. Water, Security

* Working Women's Hostel **01 (At KVK, Awagarh)**

i. Number of inmates **25**

ii. Facilities (mention available facilities) : Mess, Common Room, and Security

- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)

* Teaching Staff **40 Quarters**

* Non-Teaching Staff **50 Quarters**

- Cafeteria **04**

- Health Centre **YES**

* First aid **02 Dispensaries**

* Inpatient **NO**

* Outpatient **NO**

* Emergency care facility **NO**

* Ambulance **NO**

* Health centre staff –

Qualified Doctor Full Time ☐ Part-time ☒

Qualified Nurse/Compounder Full Time ☒ Part-time ☐

- Facilities like banking, post office, book shops

* **Indian Overseas Bank with ATM** : **At Agra Main and Bichpuri Campus**

* **Post Office situated in College Campus** : **At Agra Main and Bichpuri Campus**

- Transport facilities to cater to the needs of and students and staff : **Yes, We have buses four-wheelers in Agriculture, Engineering and Management Campuses, which are used by all Faculties as and when required**

- Animal house : **Yes, We have animal House at Pharmacy Campus**

- Biological waste disposal : YES
- Generator or other facility for management/ regulation of electricity and voltage : YES
- Solid waste management facility : YES
- Waste water management : YES
- Water harvesting : YES, at Bichpuri Campus in and Engineering

Consumers Cooperative society is being run by the College for the benefit of staff & students

12. Details of programmes offered by the college :

S. No.	Programme Level	Name of the Programme / Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned / Approved student strength	No. of students admitted
1	Under Graduate	B. A.	3 Years	Intermediate	Hindi / English	720	597
		B. Com.	3 Years	Intermediate	Hindi / English	440	394
		B. Sc.	3 Years	Intermediate	Hindi / English	480	470
		B. Sc. (Agril.)	4 Years	Intermediate	Hindi / English	210	196
		B. Ed.	2 Years	Graduate	Hindi / English	90	82
		B. B. A.	3 Years	Intermediate	English	60	60
		B. C. A.	3 Years	Intermediate	English	90	72
2	Post Graduate	M. A.	2 Years	Graduate	Hindi / English	640	331
		M. Com.	2 Years	Graduate	Hindi / English	270	261
		M. Sc.	2 Years	Graduate	Hindi / English	300	204
		M. Sc. (Agril.)	2 Years	Graduate	Hindi / English	102	90
		M. Ed.	2 Years	B. Ed.		35	34
3	Integrated Programmes PG						
4	Ph. D.	All PG Departments	Minimum 2 Years	PG in concerned Subject	Hindi / English	As per RDC norms	
5	M. Phil.	---					
6	Certificate	---					
7	UG Diploma	---					
8	PG Diploma	---					
9	Any other (specify and provide detail)	---					

13. Does the college offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many? **25**

14. New programmes introduced in the college during the last five years if any?

Yes	√	No		Number	05
-----	---	----	--	--------	----

15. List the Departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes Like English, regional languages etc.)

Faculty	Departments	UG	PG	Research
Science	Physics, Chemistry, Mathematics, Botany, Zoology, Statistics, Seed Technology, Biotechnology	07	07	05
Management & Computer Application	Business Administration, Computer Application	02		
Arts	Hindi, English, Sanskrit, Economics, Political Science, Geography, Psychology, History, Sociology, Defence & Strategic Studies	10	07	07
Education	Education	01	01	01
Commerce	Accountancy & Law, Business Administration, Applied Business Economics	03	03	03
Agriculture	Agronomy, Agril. Economics, Animal Husbandry & Dairying, Agril. Chemistry & Soil Science, Agril. Engineering, Horticulture, Agril. Extension, Genetics & Plant Breeding, Agril. Zoology & Entomology, Agril. Statistics & Maths., Plant Pathology	11	08	06

16. Number of Programmes offered under (Programme means a degree course like B.A., B.Sc., MA, M.Com.)

a.	Annual System	08
b.	Semester System	05
c.	Trimester System	Nil

17. Number of Programmes with

a.	Choice Based Credit System	N.A.
b.	Inter/Multidisciplinary Approach	N.A.
c.	Any other (specify and provide details)	N.A.

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes	√	No	
-----	---	----	--

If yes, Post Graduate

- a. Year of Introduction of the programme(s) : **1964**
and number of batches that completed the programme -
40
- b. NCTE recognition details (if applicable)

Notification No.

B. Ed.: 2015/115836 dt. 10.06.2015

M. Ed.: UP-370(UP-30)/2015/116219 dt. 11.06.2015

Validity: **Permanent Affiliation**

- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes		No	√
-----	--	----	---

19. Does the college offer UG or PG programme in Physical Education?

Yes		No	√
-----	--	----	---

20. Number of teaching and non-teaching positions in the Institution

Position	Teaching Faculty							Non-teaching Staff			Technical Staff	
	Professor		Associate Professor		Assistant Professor		Total	*M	*F	Total	*M	*F
	*M	*F	*M	*F	*M	*F						
Sanctioned by the State Government	0	0	50	19	23	04	96	85	05	90	0	0
Recruited												
Yet to recruit	0	0	0	0	0	0	56	0	0	57	0	0
Sanctioned by the Management/ Society or other authorized Bodies	0	0	0	0	0	0	0	0	0	0	0	0
Recruited												
Yet to recruit	0	0	0	0	0	0	0	0	0	0	0	0

*M-Male *F-Female

21. Qualifications of the teaching staff :

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<u>Permanent Teachers</u>							
D. Sc. / D. Litt.	---	---	---	01	---	---	01
Ph. D.	---	---	49	18	20	04	91
M. Phil.	---	---	01	---	01	---	02
PG	---	---	---	---	02	--	02
<u>Temporary Teachers (Mandai)</u>							
Ph. D.	01	---	17	03	10	7	38
M. Phil.	---	---	---	---	---	---	---
PG	---	---	1	---	---	---	1
<u>Part-time Teachers</u>							
Ph. D.	---	---	---	---	01	---	01
M. Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	02	01	03

22. Number of Visiting Faculty /Guest Faculty engaged with the College.

43

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2012-13		2013-14		2014-15		2015-16	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	732	619	737	623	808	673	584	732
ST	31	04	36	04	47	05	23	09
OBC	1121	716	1050	791	1174	948	1071	1004
General	1396	1013	1304	1126	1257	1028	1116	1263
Others	0	0	0	0	0	0	0	0

24. Details on students enrolment in the college during the current academic year (2016-17):

Type of Students	UG	PG	M. Phil.	Ph. D.	Total
Students from the same state where the College is located	3421	1983	0	0	5404
Students from other states of India	285	186	0	0	471
NRI students	0	0	0	0	0
Foreign students	0	0	0	0	0
Total	3706	2169	0	0	5875

25. Dropout rate in UG and PG (average of the last two batches)

UG

Approx. 9 %

PG

Approx. 2 %

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component

Rs. 33863.17 per student

(b) excluding the salary component

Rs. 968.00 per student

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

☒

No

☐

If yes,

a) Is it a registered centre for offering distance education programmes of another

Univer
sity

Yes

☒

No

☐

b) Name of the University which has granted such registration.

Uttar Pradesh Rajashri Tandon Open University, Allahabad
and IGNOU, New Delhi

c) Number of programmes offered

10

d) Programmes carry the recognition of the Distance Education Council.

Yes

☒

No

☐

28. Provide Teacher-student ratio for each of the programme/course offered

Arts

-

B.A.

– 1: 110

M. A.

English

– 1: 15

Hindi

– 1: 15

Economics

– 1: 12

Political Science

– 1: 35

Sanskrit

– 1: 3

Geography

– 1: 10

Psychology

- 1: 10

Commerce -

B. Com.

– 1 : 60

M. Com.

		Group A	– 1 : 90
		Group B	– 1 : 90
		Group C	- 1 : 90
Science	-	B. Sc.	– 1 : 60
		<u>M. Sc.</u>	
		Physics	– 1 : 7
		Chemistry	- 1 : 5
		Mathematics	– 1 : 35
		Zoology	– 1 : 6
		Botany	– 1 : 7
Agriculture	-	B. Sc. (Ag.)	– 1 : 35
		<u>M. Sc. (Ag.)</u>	
		Agronomy	– 1 : 4
		Ag. Economics	– 1 : 4
		Ag. Chemistry & Soil Sc.	– 1 : 5
		Horticulture	– 1 : 10
		Ag. Extension	– 1 : 8
		A. H. & Dairying	– 1 : 3
Education	-	B. Ed.	– 1 : 10
		M. Ed.	– 1 : 10
B.B.A. & B.C.A.			- 1 : 30

29. Is the college applying for

Accreditation : Cycle 1 ☐ Cycle 2 ☒ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment:

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: **28/02/2005** Accreditation Outcome/Result : **B⁺ (Refer Encl. – 04)**

Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result.....

31. Number of working days during the last academic year.

245

32. Number of teaching days during the last academic year 195
(Teaching days means days on which lectures were engaged excluding the examination days)
33. Date of establishment of Internal Quality Assurance Cell
 (IQAC) **IQAC Letter dated 26.10.2010(Encl. – 05)**
34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to
 NA
 AC.
 AQAR (i)
 (dd/mm/yyyy)
 AQAR (ii)
 (dd/mm/yyyy)
 AQAR (iii) (dd/mm/yyyy)
 AQAR (iv) (dd/mm/yyyy)
35. Any other relevant data (not covered above) the college would like to include.
- **Oldest College in India to commence M. Sc. Agriculture.**
 - **Only College in India to have 4 All India Coordinated Research Projects of ICAR & Min.of Agri. and 2 ICAR sponsored Krishi Vigyan Kendras**
 - **First College having recognition from DSIR, New Delhi**
 - **One of the first few Colleges to start Engineering & Technology with AICTE approval in 1996**
 - **First College to have largest area, agricultural farms and maximum disciplines**
 - **College having “DST & Dept. of Earth Sciences sponsored Seismo electromagnetics & Space Research Laboratory”**
 - **College celebrated its Golden Jubilee in 1991**
 - **2 journals are published by the college.**
 - **KVK,agriculture departments,Botany department and Engineering faculties are involved in consultancy .**
 - **Had been feeder college for universities/Agriculture universities/departments /ICAR institutes and prestigious institutions in the country.**

Criterion I - CURRICULAR ASPECTS

1.1. Curriculum Planning and Implementation

1.1.1. State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

The Motto of Raja Balwant Singh College, run by Raja Balwant Singh Educational Society is, “जो राखे निज धर्म को तेहि राखे करतार”. This Institution provides “**GATEWAY OF OPPORTUNITIES**” to rural and weaker students hailing from remote rural areas.

Vision of the institution:

“To be committed to the pursuit of excellence in higher education, character building, holistic development of personality and knowledgeable citizenship.”

Mission of the institution:

- A. To keep abreast with innovation frontiers of education, knowledge, research and development for mentoring rural and urban students, so as to serve society in a better way.
- B. To Create, Generate and Disseminate Quality Education and provide State of Art Infrastructure in Research, Instrumentation Demonstrations and Advisory to Students and Farmers for Career Settlement and development.
- C.To bestow preservative attitude towards inherited, tangible and incredible prodigious heritage and culture in the students of future eras.
- D.To inculcate discipline, confidence, creativity, scientific temper, morality, intellect and self realization to attain paradigms of success in life.

The Vision, Mission and Motto are displayed in the Campus and Website as well. All the campuses designed their own Objectives, Mission and Vision as per requirement of the Students.

1.1.2. How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The Curriculum is designed by the University in Board of Studies of various Subjects. This BOS has members and experts from our Institution also. The BOS follows UGC & ICAR regulations for designing curriculum and prescribed changes from time to time as per norms for updating it.

University gives Academic Calendar of Teaching, Holidays and Examination which our internal College Committees follows accurately.

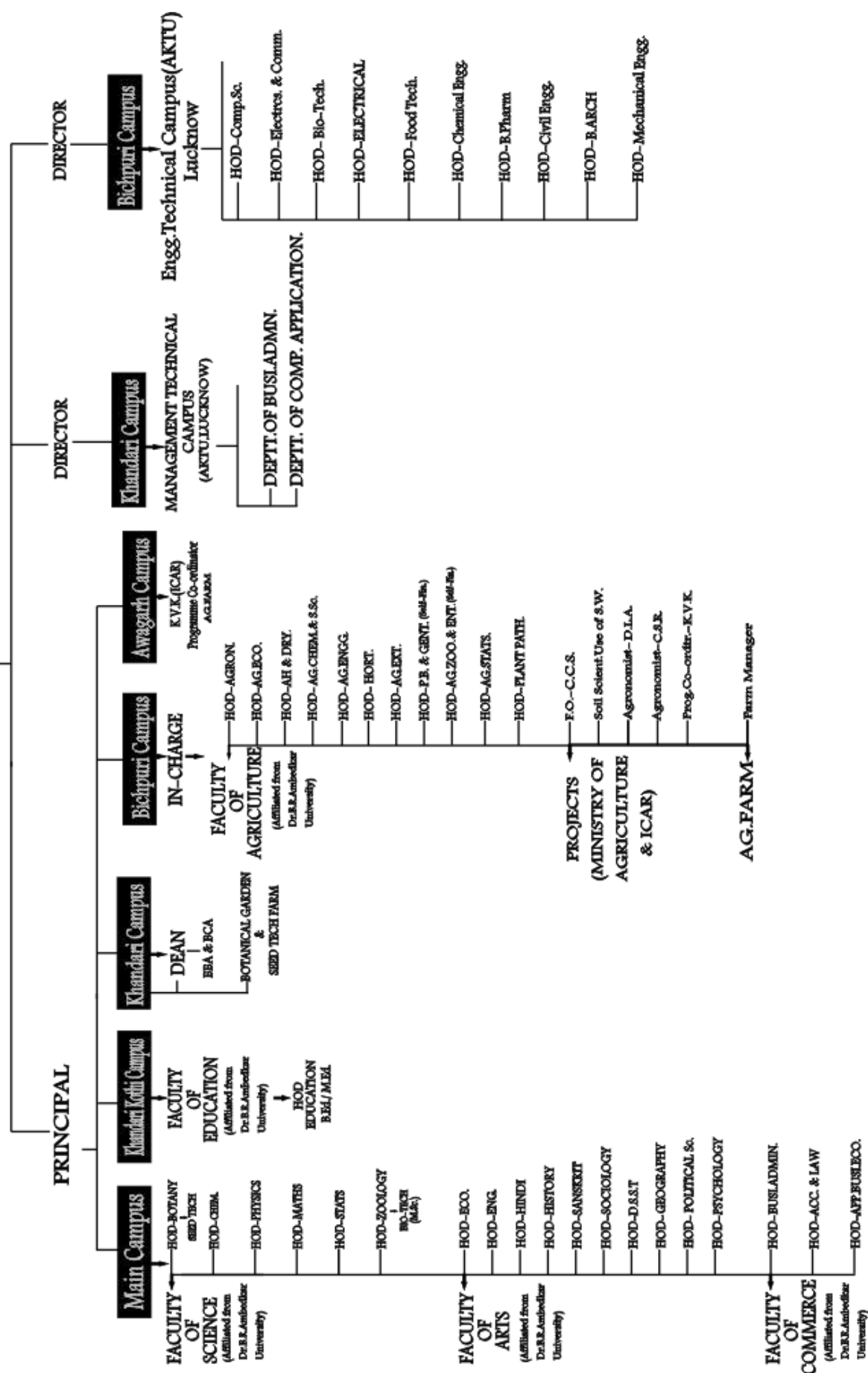
The Institution has affiliation with two major Universities (Dr.B.R.Ambedkar University, Agra and Dr.Abdul Kalam Technical University, Lucknow) on the basis of which educative & administrative Conditions are variable.

The Institution is the Study Centre of Two Open - Universities (Indira Gandhi National Open University and Uttar Pradesh Rajashri Tandon Open University, Allahabad) under which many courses are running.

Institution has Agriculture Projects and RAWE running in Agriculture Campus under the supervision and control of Indian Council for Agriculture Research (ICAR), New Delhi and Ministry of Agriculture, Govt. of India, New Delhi.

The Institutional organisation Chart is as follows:

INTERNAL ORGANISATION & MECHANISM
RAJA BALWANT SINGH COLLEGE
COLLEGE MANAGEMENT COMMITTEE
 (Balwant Educational Society)



[A] Curriculum of Courses Affiliated to Dr. B. R. Ambedkar University, Agra:-

(I) Academic Calendar is Developed by The University as per UGC Guidelines and sent to the Principal. Time-Table of teaching periods is developed by the staff & Office and followed by the Faculty Members. "Board & Chalk" method along with OHP and LCD Projector is used for teaching. Some Departments use CDs of Books, YouTube Films, Internal and online Lectures. Holidays are decided by University. Examination date and its Time-Table are declared by University. Admissions are done by the College on merit basis following all reservation rules and provide extra weightage in calculation on merit to NSS, NCC, Sports, Ward of College/ University/ Freedom Fighter/ Defence Person/War Widows/ Disabled etc.

(II) In Case of Agriculture Faculty, the norms are provided by ICAR New Delhi and adopted by BOS of the Dr. B. R. Ambedkar University, Agra. It is implemented by the Departments under the supervision of respective Heads. B. Sc. (Ag.) is 4 Year Professional Degree Course with Semester System and Project Work under RAWES scheme of ICAR. M. Sc. (Ag.) has Annual System. The College implements the Curriculum in an effective and meaningful manner, and for meeting these objectives the Internal College Committees formulates procedures for procurement of relevant infrastructure, organization of Field Study Trips and Excursions, Seminars, Guest Lectures and Examination.

The curriculum delivery is made through both Conventional & Modern Methods i.e.; Lectures, PPT & OHP's, Videos, CDs of books, e-content, Printed Study Material, Group Discussion, Invited Talks and Interactive Session. Agronomy Department has one registered Society "Scientific Forum of Agronomy" to make farmers & agronomist's interaction more fruitful.

DEL NET/NDL is also available to the research scholars and faculty members for regular up-gradation of knowledge and effective delivery to the students. Each department prepares their Calendar of activities. The curricular component like power point presentation, guest and invited lectures, training in instrumentation and research methods, group discussions and field trips are taken care of by the respective departments.

The co-curricular and extra-curricular activities like debates, quiz, collage making, poster and drawing competition, pangolin competition, dance, drama, elocution, vocal and instrumental music competition, and Kisan Mela, Science Exhibition etc. are taken care of by the various functional societies in the different departments. Participation in such events brings about qualitative changes in the students' personality and helps in developing themselves as more confident individuals.

[B] Curriculum of courses affiliated to Dr.Abdul Kalam Technical University, Lucknow

- (I) **Engineering, Architect & Pharmacy:** - The UPSEE announces the date of entrance examination in National newspapers under which the candidates apply and undergo entrance test. UPSEE declares the merit and students participate in counselling to select their college & branch / subject. 15% Seats are filled under the Management Quota directly on the basis of merit and UPSEE Score. Students are called for orientation for curriculum awareness, teaching methodology, campus regulation and academic calendar prescribed by the University. Faculty uses ICT based teaching Modules and all modern teaching tools and complete the syllabus in fixed time given by the university.

All the Courses (Refer Chart 1.1) are 4 year professional degree courses with semester system and On-line answer Sheet evaluation system. Students are exposed to one month industrial training and one week individual tour. They are assessed through 2 internal and 1 external examinations in each semester. Tutorials and remedial classes are also conducted in routine to achieve better results. Student's personality is groomed by their active participation in co-curricular & extracurricular activities too. Students are guided & have developed 14 Societies/clubs i.e.

Students Societies :

Sanskrit — The Cultural Society :

"All work and no play makes Jack a dull boy" Sanskrit, the cultural society of the Institute has won kudos for the work it has been doing ever since it came into existence. Annual functions, dance and singing competitions are a few from the gamut of programmes it has been undertaking to provide recreational activities and channels of self-expression to the students. The main cultural fest of the Institute is held in the name of ANUBHUTI during the annual institute Tech Fest ABHYUDAYA.

Vinimaya — The Literary Society :

Vinimaya, The Literary society of the Institute organizes a variety of literary activities. It also brings out monthly news magazines "Technovision" & "Shashwat", managed by the students of the Institute, right from the sourcing of articles, designing to be publishing under the guidance of teacher-in-charge. Organizing activities like debates, quiz contest, essay competitions, elocution contests is a common feature of the society.

Oorja - The Sports Society :

In order to provide an overall personality development, OORJA, The Sports Society, was formed. A wide range of events are organized and students are encouraged to take part in the inter-college meets. Students have proved their performance in the various district level & college level tournaments. "Arise, go forth and conquer", with this aim in mind, OORJA has emerged to be one of the very promising societies of the Institute.

Abhiruchi —The Hobby Club :

"This is a way to carry the talent to the peak." It organizes different events related to the hobbies of students at the institute and inter college levels. Success of events like face painting, laughter challenge, T-Shirt Painting, Wall Painting, Rangoli etc. have given new dimensions to the Imagination and Creativity and it goes on.

Departmental Societies

Aarohan —The Computer Society :

For learning and comprehending the technical skills in the era of professionalism, "AAROHAN"—The Computer Society has made a remarkable contribution to bloom the technical status of members with its glorious spark. It organizes many events on Soft Skills and Hardware & Software Presentation.

E-Alechemy —The Electronic Society:

E-Alechemy, the Electronics Society was formed to organize seminars, technical paper presentations and hardware design contests to bring out the talent of the students. The society also brings out a monthly news letter, "E-Comet".

Annanya —The Food Society:

This is a society of Food Technologists. The main aim of the society is to promote technical and professional awareness along with a better means of interaction between the faculty members and students, apart from studies. The Society also brings out a bimonthly newsletter "Food Nuts" and also organizes various events.

Jagriti—The Chemical Society:

Jagriti — The Chemical Engineering student's society is a student's organization of the Department of Chemical Engineering. It acts as interface

between the students and the experienced faculty. The society also brings out a bimonthly newsletter` Chem World."

Sanjivani— The Biotech Society:

This is the place where one's personality is emblazed by means of knowledge, skill acumen. The society helps in boosting & enhancement of one's personality. It conducts seminars, paper presentation, quiz, Science exhibition etc. It brings out a bimonthly newsletter "BIOZONE".

Mechnosphere — The Mechanical Society:

"Empowering Innovation" is the theme of this society of Mechanical Engineering. The forum , where all the amateur mechanical engineers join to update the skills and capabilities. It conducts various technical events and it brings a monthly magazine coined as "YANTRIKI" for enhancing knowledge.

Nirmanika - The society of Civil Engg. :

This is the society of Civil Engineers related to acquiring knowledge regarding designing and construction through collective team work .

Arogyam- The Pharmacy Society:

This is the student's society of Faculty of Pharmacy. The aim is to organize seminars, poster competition, health check-up camps and awareness campaigns.

Archinity— The Architect Society:

This is the society of young budding architects & encompasses the concept of collective learning & team work in designing concept & model making.

- (II) **Management & Computer Application** :- The courses of management and computer application are running under AKTU university, Lucknow with similar admission procedure as Engineering and the curriculum involves 2 years (four semester) Courses for MBA, 3 years (six semesters) for MCA, 5 years for MCA and MBA dual degree.

- [C] & [D] **Distance Education Courses** :- The respective affiliating Open Universities send their curriculum and Schedule of academics and the College provides infrastructure, books, teachers and conducts examination.

There are different vision & mission based on curriculum of subjects. They are as follows-

R.B.S.College,Agra
Page 45

			learning, research and development so as to help develop well qualified and well informed technocrats.	approach, aimed to develop their and over all personality and to prepare them as worthy professionals.
3.	R.B.S.COLLEGE MANAGEMENT TECHNICAL CAMPUS	योग: कर्मसु कौशलम्	To be a leader in the field of Professional education and Research with the aim of Developing global professional With higher levels of Ethics and human values.	To impart vibrant and innovation professional education to all sections of the society without any discrimination on the basis of caste, creed, race, religion and geographic area.

Keeping in view, the number of working days available, the curriculum is divided into modules which are completed by the last working day. Extra classes or remedial classes are held for weak and slow learners.

1.1.3. What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

College Support:-

1. College Allows faculty to participate in conferences , workshops, trainings seminars including faculty improvement program conducted by academic staff colleges under and summer / Winter training courses conducted by Agricultural Universities under ICAR.

UGC Refresher and Orientation Programmes equip teachers with state-of-art techniques related to pedagogy, trends in the use of ICT, blended learning and also help in updating the subject knowledge of the teacher. The college regularly sends the faculty to various academic staff colleges for such quality improvement and faculty enhancement programmes.

2. The College provides duty leave, study leaves; leave with / without pay for the benefit of the faculty, which in turn is beneficial to the advancement of curriculum and students.
3. College encourages faculty to propose research projects for financial assistance to various funding agencies. This support helps in human resource development, creation of facilities and widens the vision of the student.

“Research oriented, hardworking and learned teachers are always ideal for students.”

4. College also allows faculty to conduct Botanical, Zoological, Agricultural, geographical, Industrial and Institution excursion tours for student's exposure to new avenues and industry- interaction prospect.
5. It Provides facilities, infrastructure, maintenance, amenities and allocated time-table, annual schedule and approval of proposals related to new proposals on teaching and its implementation methods.
6. Provides libraries on different campuses and around 15 departmental libraries with DELNET and NDL facilities at some. There is botanical garden; animal house, herbal garden, experimental farms, museums, herbarium and sophisticated instruments that help in effective curriculum in implementation with advancement.

University support:-

1. University Provides set curriculum & academic calendar for the college which is accurately followed .The College is affiliated to Dr. B. R. Ambedkar University, Agra and thus follows the University designed curriculum. Board of studies of the university suggests books and the other related resources through circulars and training workshops to the affiliated colleges. The academic council, comprising of all departmental heads makes recommendations for effective implementation, which are then followed by the extended discussion in the respective departments.
2. It enrolls the students, conducts the examinations, prepares mark sheets and award degrees in convocation.
3. It approves the newly proposed courses and degrees.
4. One Career oriented scheme was sanctioned by UGC on “Environmental Science” in XIth plan but could not be initiated.
5. University allots panel for evaluation of answer sheets & Practical examinations.
6. It Provides a Fixed amount of grant for participation in International Conferences. It facilitates students by giving awards & medals for high merit scores in Academics.

1.1.4. Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

The College ensures best efforts in order to bring out the maximum output in terms of curriculum delivery and transactions on the curriculum. Cognitive skills like critical analysis, evaluation, synthesis and problem solving are encouraged by:-

- Obtaining the services of experts from other institutions in Agra and elsewhere.
- Preparation and adhering to academic calendar.
- Complementing the relevant lab & field based experimentations.
- Industrial and Farms visit.
- By holding guest lectures, Panel discussion, Trainings, Workshops, assignment, Students Seminars and Projects.
- Pedagogical Tools.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

The College regularly interacts with collaborators from industry, research and university for optimum operationalisation of the curriculum. Internal quality assurance cell (IQAC) includes people from industry as special invitees. Following are some of the measures for effective implementation:

- Counselling cum placement cell regularly interacts at both local and national levels. Stakeholders from various industries like Pfizer, Ranbaxy etc. conduct the campus interviews and many students secured placements.
- Industry-academic interface is done by inviting professional from relevant industries for interaction with students and to provide latest key inputs in management marketing, accounting operations, HR etc.
- Regular industrial visits are organized for the students to gain first hand onsite experience. Our institution allows industrial collaboration in research projects. **One of the outcomes is “Ferticheck™ soil testing kit and minilab” which is used under Prime Minister’s “National Soil Health Card Mission.” This is a patented and commercialized product.**
- College has been encouraging exchange programmes with University of Milan, University of Florence, CSIR labs, IIT – Mumbai. IUAC- New Delhi, Ion Beam Accelerator Centre- New Delhi, University of Poland, Russia, Japan, Germany, Hungary etc.
- Post graduate and research students regularly visit the apex laboratories and university departments of national significance.
- Members of the faculty are encouraged to undertake advanced courses in relevant streams, obtain membership of professional research societies and conduct independent research in the relevant fields. Students and faculty are

encouraged to participate in seminars, Conference and workshops etc. to enhance their research skills.

- Professors from various universities and research institution are invited for professional interaction with the faculty members and discuss on the latest developments.
- Our KVKs, Agriculture projects and few projects in Botany department are directly giving benefit to farmers on various aspects and round-o-Clock try to solve their Problems by phone/ Technology information centre.
- Professional Departments like Biotechnology, Seed Technology, Agriculture, Management, Engineering, Pharmacy, Architect, and Computer Application seek demands of the concerned industries and train the students as per their requisites for placements.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

The framing, designing and restructuring of curriculum is done by the university. The College contributes significantly in the process as faculty members of the college form a significant part of the Boards of Studies of the university in various subjects. Top 3 teachers of every department had been member of BOS in last five years. The curriculum for each subject is studied by the respective department and the feedback is informally obtained from various stakeholders of higher education such as students, alumni, industry and academic peers. The suggestions received in each subject (if any) are handed over to the respective faculty members representing the college in the board of studies of the university to present it as proposal for incorporation.

1.1.7. Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

The College has developed curriculum and other implementation strategies for B.Sc. with Seed Technology as one subject in place of Zoology and M.Sc. Seed Technology, M.Sc. in Plant breeding & Genetics, M.Sc. in Agricultural Zoology and Entomology. Faculty is interested in starting new courses in Economics, History, Geography and English.

Few foreign Language courses are also desired by students.

1.1.8. How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Institution is in direct conversation with the industries, research bodies, university, farmer leaders, municipality, and political leadership. IQAC has established, performance indicators for assessing the implementation of curriculum:-

- a) Result analysis, student progression and dropout rate calculation
- b) Participation and performance in co curricular & extracurricular activities.
- c) Student Attendance and overall personality change assessment. Research projects and KVKs have their own performance indicators based on milestones and achievement percentage.

1.2 Academic Flexibility

1.2.1. Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

College has its own separate polytechnic College where Diploma in Electrical Engineering & Civil Engineering is conferred. It is affiliated to UP Technical Board.

1.2.2. Does the institution offer programmes that facilitate twinning/dual degree? If 'yes', give details.

No, except MCA & MBA. There is 5 year dual degree course in R B S Management Technical Campus (self finance), affiliated to Dr. AKTU, Lucknow. There are Various Subject combinations in B.A. and B.Sc. and the student has the chance to select any one subject combination from the all published in the prospectus. At post-graduate level there is flexibility of optional papers.

1.2.3. Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

1. The time-table is set from 9.20 am to 4.00 pm. Students avail this privilege after 4.00 pm for attending different professional courses running in the coaching centres in the city for employability.
2. There are courses running under UPRTOU and IGNOU in which students take admission along with their regular degree courses.

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc. the college offers following self-finance programme:-

Yes, following are the self financed programmes:-

- a) Seed Technology (UG,PG)
- b) Biotechnology (PG)
- c) Plant Breeding & Genetics (PG)
- d) Entomology & Agriculture Zoology (PG)
- e) Bachelor of Business Administration (UG)
- f) Bachelor of Computer Application(UG)

Raja Balwant Singh Engineering Technical Campus and
Raja Balwant Singh Management Technical campus are self financed .

Sr. No.	Criteria of Comparison	Govt. aided Programmes	Self Financed Programmes
1.	Nature of course	Knowledge based, approved by the university	Skill based, approved by the university
2.	Admission pattern	Entry level qualification plus reservation as per government rules	Entry level qualification plus reservation
3.	Curriculum	Board of study designs the curriculum.	Curriculum is designed by the institute and approved by the Board of studies of the universities.
4.	Fee structure	Fee structure as per guidelines of Dr. B. R. Ambedkar University, Agra	Fee structure is relatively high because it consists of faculty compensation component of the teaching and non-teaching staff
5.	Teachers	Teachers are appointed by the a selection committee appointed by the governing body as per Uttar Pradesh	Teacher and non-teaching (temporary)are recruited by the college as per the provisions of

		Universities Act and the First Statutes of the University	the University act and the first statutes of the university.
6.	Salary	Salary of teaching and non teaching staff through Grants of Govt. of Uttar Pradesh.	Salary of teaching and non teaching staff is decided by the college as per the policy of the State Government

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

No, skill development course is not available. Only skill based trainings are provided by the KVKs and few projects of ICAR and DST. DST women scientist: - Dr. Anuradha Chauhan is training women farmers on using mobile unit of vermicomposting. Dr. Sudhir is training and giving paid consultancy to farmers and unemployed students on mushroom cultivation. We have many certificate and skill development courses under DEC Programmes of UPRTOU & IGNOU (Open Universities).

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

No.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

The College makes all efforts to implement the curriculum prescribed by the university in totality by ensuring academic commitment, professional ethics and discipline. Positive academic environment, discipline and commitment to develop course content at departmental level are ensured to develop and disseminate knowledge through empowering research and quality teaching.

The various enrichment courses at departmental level, visits to local industries, laboratories of national importance, study tours, excursions, educational and research oriented surveys and training programmes are conducted to impart the learners the ability, aptitude and skills to participate in

the opportunities provided by the wider world. Well equipped laboratories, sophisticated equipments and instruments, audio-visual aids, ICT, lecture theatres are used to conduct practicals, workshops, seminars and other knowledge and skill enhancement programmes.

Regular online workshops in different fields of Engineering and science are conducted in collaboration with IIT's using A-View mode under Continuous Education Programmes sponsored by MHRD, Government of India.

1.3.2. What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The institution being affiliated to the university does not have any kind of academic autonomy. However, sincere efforts are made by the college to organize and enrich the curriculum for maximum output.

- At university level- at this level, the faculty members representing the college in the board of studies of different subjects take initiative in modifying and enriching the curricula in order to make it employable. Courses like Rashtra Gaurav, Physical Education, Foundation Course and Environment Science have been introduced since last few years to inculcate moral values, awareness in terms of sustainable development, environmental and professional ethics in life and are some of the key dimensions to be added and blended in modern thinking and human behaviour.
- At institution level - The College has taken initiatives to enrich and enhance the student's experience in the course of their academic journey and to develop their required skills like :-
 - ❖ Career counseling cell.
 - ❖ Placement cell
 - ❖ Equal opportunity cell
 - ❖ Grievance cell etc.
 - ❖ At departmental level - Individual departments have taken their own initiatives suitable for their curriculum.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The College, due to its lack of jurisdiction in bringing about any changes in curriculum, uses many other opportunities to accomplish these objectives. The College has always responded and taken initiatives towards all the sensitive and momentous issues like gender sensitization, climate change, environmental education, human rights, ICT etc. in to the curriculum, various participatory and interactive programmes are held throughout the academic calendar under the aegis of different clubs and societies of the college. Apart from these the college has organized/organizing numerous programmes listed as follows.

- “World soil health day” was organized with students of Agriculture, Colleges of the City & farmers. The scientists of AICRP distributed soil health cards to the farmers.
- A Workshop entitled ‘Activism against Women Violence in India’ was organized.
- Saturday seminars to discuss various issues related to environment
- Weekly classes are assigned to teach the environmental science to the students of Arts & Commerce streams according to their university syllabus.
- The Celebration of Science Day at College level incorporating panel discussion seminar, talks by resources persons to teach issues related to quality of environment and improving quality of life through science.
- National Conference on sustainable development.
- In order to encourage young voters to participate in the election every year January 25th, National Voter’s Awareness Day is celebrated in the college with the help of Distt. Administration, NSS & NCC units of the College.
- Every year plantation drive is taken up by the different clubs and associations of college during the monsoon season and on Founders Day.
- The NSS unit of the college also organizes several programmes throughout the year to Promote issue related to environment, health and hygiene, human rights etc.
- National Conference on water and other natural resources.
- Institution has promoted “Beti Bachao aur Beti Pado” Abhiyan through B.Ed programmes, NSS, NCC, Rovers and Rangers and Cultural activities. Faculty of Education also organizes internal seminars, skill orientation, group discussion, Team Teaching, debate competitions and extempore speeches on gender sensitization, avenues in education methods and digitalization on various occasions like Dr. Vidya Singh Memorial week etc. Department of economics has organized internal seminars “New Calendar Prospects”, “GST issues”, “Green Auditing” etc.
- Botany Department has participated in National & International Conferences organized on “Climate Change” and organized a National Conference on this aspect too. Institution believes in reducing carbon foot print by planting rich plantations. The college Botanical Garden has following plants :-

S.No.	Common Name	Botanical Name	Family	No. of Plants
1	Bajradanti	<i>Barleria prionities</i>	Acanthaceae	many
2	Vasaka	<i>Adhatoda vasika</i>	Acanthaceae	many
3	Ankola	<i>Allangium salyifolium</i>	Allangiaceae	1
4	Ashoka	<i>Polyalthea longifolia</i>	Annonaceae	2
5	Saptaparni	<i>Alstonia scholaris</i>	Apocynaceae	1
6	Champa	<i>plumaria rubra</i>	Apocynaceae	1
7	Kaner	<i>Thevetia peruviana</i>	Apocynaceae	many
8	Chandni	<i>Tabernaemontana divaricata</i>	Apocynaceae	many
9	Rubber-Vine	<i>Cryptostegia grandiflora</i>	Asclepiadaceae	2
10	Safed-Aak	<i>Calotropis gigantia</i>	Asclepiadaceae	1
11	Katsagwan	<i>Heterophragma adenophyllum</i>	Bignoniaceae	many
12	Nili Gulmohur	<i>Jacranda mimosifolia</i>	Bignoniaceae	1
13	Balam-Khira	<i>Kigellia pinnata</i>	Bignoniaceae	2
14	Lahsonia	<i>Pseudocalymma alsinoides</i> (Climber)	Bignoniaceae	1
15	Tulip Tree	<i>Spathodea campanulate</i>	Bignoniaceae	1
16	Tree of Gold	<i>Tabebuia argentea</i>	Bignoniaceae	1
17	Afoy	<i>Ticomella undulata</i>	Bignoniaceae	1
18	Semul	<i>Salmalea malabacica</i>	Bombacaceae	3
19	Karanjua	<i>Caesalpinia bonducella</i>	Caesalpiniaceae	many
20	Amaltas	<i>Cassia fistula</i>	Caesalpiniaceae	1
21	Java Cassia	<i>Cassia javanica</i>	Caesalpiniaceae	1
22	Pink Cassia	<i>Cassia renigera</i>	Caesalpiniaceae	3
23	Minjiri	<i>Cassia siamea</i>	Caesalpiniaceae	many
24	Vilayati-Babul	<i>Parkinsonia aculeata</i>	Caesalpiniaceae	1
25	Sita Ashok	<i>Saraca indica</i>	Caesalpiniaceae	1
26	Imli	<i>Tamarindus indica</i>	Caesalpiniaceae	many
27	Barna	<i>Crataeva religiosa</i>	Capparidaceae	1
28	Saru	<i>Casurina equitesofolia</i>	Caesalpiniaceae	2

29	Arjun	<i>Terminalia arjuna</i>	Combretaceae	2
30	Bahera	<i>Terminalia bellirica</i>	Combretaceae	1
31	Desi Badam	<i>Terminalia catappa</i>	Combretaceae	1
32	Harar	<i>Terminalia chibula</i>	Combretaceae	1
33	Tohar	<i>Euphorbia tirucalli</i>	Euphorbiaceae	3
34	Ban-Naranga	<i>Glonium multiflorum</i>	Euphorbiaceae	1
35	Safed-Arand	<i>Jatropha curcas</i>	Euphorbiaceae	many
36	Amla	<i>Phyllanthus emblica</i>	Euphorbiaceae	many
37	Jiya-Pota	<i>Putranjiva roxburghii</i>	Euphorbiaceae	1
38	Avacado	<i>Persea american</i>	Lauraceae	1
39	Jarul	<i>Lagerstroemia speciosa</i>	Lythraceae	1
40	Mehndi	<i>Lawsonia inermis</i>	Lythraceae	1
41	Savani	<i>Lagerstroemia sp.</i>	Lythraceae	1
42	Kapas	<i>Gossypium arborium</i>	Malvaceae	many
43	Neem	<i>Azadirachta indica</i>	Meliaceae	many
44	Bakain	<i>Melia azadarach</i>	Meliaceae	2
45	Reunja	<i>Acacia leucocephala</i>	Mimosaceae	many
46	Subabul	<i>Leucaena leucocephala</i>	Mimosaceae	many
47	Jagal-Jalebi	<i>Pithecellobium dulce</i>	Mimosaceae	1
48	Shami/Khejri	<i>Prosopis cinemnia</i>	Mimosaceae	1+1
49	Katahal	<i>Artocarpus heterophyllus</i>	Moraceae	1
50	Barahal	<i>Artocarpus lakoocha</i>	Moraceae	1
51	Shahtut	<i>Morus alba</i>	Moraceae	1
52	Bargad	<i>Ficus benghalensis</i>	Moraceae	2
53	Java fig	<i>Ficus benjamina</i>	Moraceae	2
54	Anjir	<i>Ficus carica</i>	Moraceae	1
55	Makhan Dona	<i>Ficus krishnae</i>	Moraceae	1
56	Goolar	<i>Ficus racimosa</i>	Moraceae	1
57	Peepal	<i>Ficus religiosa</i>	Moraceae	1
58	Pakur	<i>Ficus virens</i>	Moraceae	2
59	Sahjan	<i>Moringa oleifera</i>	Moringaceae	3
60	Bottle brush	<i>Callistemon lanceolatus</i>	Myrtaceae	2

61	Safeda	<i>Euclyptus camaldulensis</i>	Myrtaceae	many
62	Amrood	<i>Psidium guajaya</i>	Myrtaceae	1
63	Jamun	<i>Syzigium cumini</i>	Myrtaceae	1
64	Harsingar	<i>Nyctanthes arbo-tristis</i>	Nyctaginaceae	1
65	Dhank	<i>Butea monosperma</i>	Papilionaceae	1
66	Shisham	<i>Dalbergia sissoo</i>	Papilionaceae	many
67	Pangli	<i>Erythrina indica</i>	Papilionaceae	1
68	Kanji	<i>Pongamia pinnata</i>	Papilionaceae	Many
69	Chitrak	<i>Plumbago zelanica</i>	Plumbaginaceae	many
70	Passion flower	<i>Passiflora foetida</i>	Passifloraceae	1
71	Silver-oak	<i>Grevillea robusta</i>	Proteaceae	1
72	Anar	<i>Punica granatum</i>	Punicaceae	1
73	Kadamb	<i>Anthocephallus cadamba</i>	Rubiaceae	1
74	Chhoti Kadam	<i>Metragyna paryiflora</i>	Rubiaceae	1
75	Bel	<i>Aegle marmelos</i>	Rutaceae	2
76	Kaith	<i>Limonia acidissima</i>	Rutaceae	2
77	Mahua	<i>Madhuca indica</i>	Sapotaceae	3
78	Popular	<i>Populus deltoids</i>	Salicaceae	many
79	Maha-Neem	<i>Ailanthus excelsa</i>	Simaroubaceae	1
80	Papri	<i>Holoptelia integrifolia</i>	Ulmaceae	1
81	Arni	<i>Clerodendrum phlomidis</i>	Verbenaceae	many
82	Had-Jora	<i>Vitis quadrangularis</i>	Vitaceae	1

Monocotyledones

83	Khajur	<i>Phoenix slyvestris</i>	Arecaceae	many
84	Gwar-Patha	<i>Aloe vera</i>	Liliaceae	many
85	Bans (Solid Bamboo)	<i>Dendrocalamus strictus</i>	Poaceae	many
86	Lemon grass	<i>Cymbopogon citratus</i>	Poaceae	many
87	Palma-rosa	<i>Cymbopogon martini</i>	Poaceae	many
88	Khus-Khus	<i>Viteveria zizanioides</i>	Poaceae	many

Gymnosperms

89	Augusti	<i>Agathis dammara Rich.</i>	Araucariaceae	1
----	---------	------------------------------	---------------	---

- Institution practices Non Conventional Energy sources like Solar energy , Botany Department has made significant contribution in converting potato & Petha Waste into bioethanol vermicompost, Production of Biodiesel from seeds of plants growing in College Botanical Garden, biodegradable waste is converted to compost by earthworms by Dr. Maninder Kaur and Dr. Anuradha Chauhan (Women Scientist–B of Department of Science & Technology, New Delhi)
- There is provision of reduced fee for women students in all courses by the college along with many awards / scholarships provided by Rao Krishna Pal Singh Students' Aid Society of the college.
- Celebration of national Science Day, 2015 especially on the role of science to improve environment and quality of life of the human.
- In order to encourage young voters to take part in the election our college served as venue for a National Voters Day on January 25 every year.
- Essay writing, Poster making, Debates, discussions, Seminars Poetry Writing are regularly organized by the Special Event committee on such issues, especially in the celebration of college foundation week.

1.3.4 What are the various value-added courses/ enrichment programmes offered to ensure holistic development of students?

- **Moral and ethical Values :-**

Value addition Practices are run under Botany department, Education department, KVKs and AICTE recognized campuses. Holistic development of students is done by "Practice through seeing" as follows:-

- ❖ The daily morning assembly is conducted in B.Ed campus. The day's work in the college commences with the morning assembly in the college hall led by the Morning prayers, Notices and thought for the day are some of the key features. Every Friday in the first Period morning assembly especially for post-graduate students is commenced. Lectures by faculty members and invited persons are delivered on general and contemporary issues. This PG assembly aims at taking up thought Provoking issues thus helping them to grow as responsible and honest citizen of this country.
- ❖ Community orientation programmes are organized through NSS, NCC and Rovers and Rangers units of the college. Regular Blood-Donation camps, Visit to old age home and orphanage are conducted, Leprosy hospitals, Saraswati Vidya Mandir and some more.

- **Employable and life skills :-**

Our Professional Courses running in various campuses have Placement cum counseling cell that helps and train the students for their holistic development including better communication skill. Group discussions, power point presentations, resume writing, general Knowledge and subject quiz are some of the regular features in these sessions. Expert people and resource persons are also invited to share experience and impart training.

Agriculture Engineering section of KVK has given total 11 Training Programmes on Diesel Engine repairing to 249 rural youths, 52 rural youths have got the employment as Diesel Engine repairing with earning about Rs. 4500 to Rs. 8600 per month, however, rest 187 have got the skill of repairing of diesel engine and they repair their own engine and saving about Rs. 1800 per year in repairing expenses. These rural youths are working in the field of repairing of diesel engine with one helper so that 104 rural youths have got employment (directly and indirectly). These helpers generally get Rs. 200 per day at the time of engagement in repairing diesel engine; besides this many others rural youths are getting expertise of diesel engine repairing under the guidance of above mentioned 52 diesel engine mechanics to which KVK has trained.

- **Better career options-**

The College provides the computer training, personality development session, research methodology etc. to the students for improving their employability. Campus recruitments are held, as and when available.

- **Community orientation-**

The College regularly organizes various awareness and Environment awareness programmes through Cultural Programmes, National Services Scheme, National Cadet Corps, Rovers & Rangers and extension mandate of KVK and ICAR projects.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Responses on curriculum are solicited from alumni, peers and industry. The feedback thus obtained and modified further is communicated to the university through the faculty members who are part of Board of studies. A few initiatives like training programmes, Methodology and instrumentations etc. have already been added since last few years upon receiving the feedback from the stakeholders.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

The feedback on all enrichment programmes are received by the Principal through departmental meetings. The IQAC also ensures the participation of students in all these programmes for optimum use.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

Although, the college does not have a direct role in the framing of the curriculum as it under the jurisdiction of University, Yet senior teachers of the college are regularly members of the committee's like-Board of studies, Research Degree Committee and Executive Council etc. in different subjects responsible for design and development of the curriculum.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Yes, the Institution has a formal mechanism to obtain feedback from the students and stakeholders. Feedback is obtained from the stakeholder in the following ways:

Alumni: - Questionnaires are given to the alumni during alumni meets and by direct contact.

Students: - Feedback is collected from students at regular intervals and through suggestion box kept at the library and principal's office.

Parents: - Feedback taken from parents during their informal visits to the college.

Teachers: - Feedback from faculty members is taken during academic planning, external examination results and expertise-interaction with experts visiting for seminars, workshops and as external examiners.

Suggestions received are passed to the IQAC for review and an effort is made to communicate major changes. Based on these suggestions, certain check

measures are employed and also advise to the BOS for necessary implementation.

- Addition of academic resources such as e-journals, networking based on feedback on the current trends.
- Introduction of independent learning that encourages to do research.
- Extension programmes for social and environmental awareness.
- Integration of certificate courses on Journalism, computer, Biostatistics along with value added courses.
- Development of experimental skills through workshops, seminars and paper presentations.
- Written publication work in the college is motivated.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

The College is desirous of introducing many more new age courses to cater the relevant needs of the student community. A career-oriented course on “Environmental Science” was approved but could not be implemented due to reluctant attitude of University. Few courses were started in last 5 years in R.B.S. Engineering Technical Campus.

1. M.Tech. in Electronics & Communication Engineering
2. M.Tech. in computer Science & Engineering
3. M.Tech. in Biotechnology
4. Bachelor of Pharmacy (Pharmacy Council of India)
5. Bachelor of Architect (Approved by council of Architecture)

KVKs and Agriculture Faculty has started new facilities at their Kendras:

1. Agricultural Technology Information Centre.
2. Soil testing facility
3. Rural Agricultural Work experience Programme (RAWE)

Criterion II: TEACHING - LEARNING AND EVALUATION

2.1.1 How does the college ensure publicity and transparency in the admission process?

Admission committee is formed by the Principal. Admission forms with prospectus are issued to be submitted till a declared date. Merit is prepared as per university guidelines and displayed on the notice board along with information to the candidate. Hence, admission process is completely transparent.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Most of the admissions are made through merit made on the marks obtained in qualifying exam. For B.A.-I, B.Sc.-I, B.Sc. (Ag)-I, B.Com-I, the students are selected on marks obtained in 10+2 standard. For B.Ed. common admission test is conducted by the university. Most of the P.G. admissions are made through merit made on the marks obtained in qualifying exam. For M.A.-I, M.Sc.-I, M.Sc. (Ag)-I and M.Com-I the students are selected on marks obtained in U.G. exams. For M.Ed. common admission test is conducted by the university.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

UG: Strictly on Merit (entrance test for: Teacher Education)

PG: Strictly on Merit (entrance test for: Teacher Education)

Minimum cut-off at PG level admission is decided by the university and that is 40% for Arts, 45% for science and 45% for commerce. The admission in teacher education programmes are done on the basis of the list provided by the University.

Professional – B.Ed.and M.Ed., admissions are made according to the list sent by university through counselling after conducting State Entrance Exam. B.Sc. (Ag.) and M.Sc. (Ag) admissions are done through merit.

Ph.D.: Strictly on qualifying pre-Ph.D.course work for all PG departments as per UGC norms

All admissions are done adhering to state government reservation policy (SC 21%, ST 2% & OBC 27%). Also horizontal reservation is provided for differently-abled, wards of freedom fighters, defence personnel and accomplished sports persons.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes', what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes. Every year at the start of the session, a meeting is held by the Principal including all the HODs and conveners of different admission committees. In this meeting all such issues are discussed and remedies are sorted out. Few examples of the outcome of such meetings can be categorised in the following manner –

1. The college disallows admission to the candidates with gap more than 2 year only at the entry level either at UG and PG. Thus students of UG part I & II and PG part I are permitted to recontinue in spite of the gap.
2. Over the years the PG admission committees have started giving the preference to the bonafide students of the college.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- SC/ST
- OBC
- Women
- Differently abled
- Economically weaker sections
- Minority community
- Any other

The admission policy of the college and its student profile is in accordance with the national policy of including students of weaker section. Reservation in admissions is provided to different section (27% OBC, 21 SC/ST, 3% differently abled, preference to army personnel and wards, sports persons). Few students from economically weaker sections are provided accommodation in hostel free of cost. State level sports personnel are

preferentially admitted. The impact of these measures is reflected on the number of the students of weaker sections among the total strength of students. In fact they inclusively constitute the majority of our overall student strength.

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Refer Evaluation report of Department.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

Financial assistance is provided and their needs are personally looked after by Dean Students Welfare, Head of the Department and Student members of IQAC.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes, the college assesses the needs of the students who come from urban area and adjoining rural areas and thus not at par due to their inherent problems. Few come from other states too. The student's need is assessed at the time of admission and they are advised suitably to overcome their weaknesses. At the next step the teachers assess the student's knowledge and communication skills before commencing the course and deliver their lecturer's accordingly. The students are encouraged to communicate their doubts to the teachers both within and outside the classroom. On the very first day of the commencement of 1st year classes, introductory session is held in Chhatra Kalayan Bhawan and B.Ed. campus through orientation programme with an aim to introduce them to new environment, rules and regulations together with the information on whom to address in case of problems encountered. Special efforts are made to integrate students from diverse back grounds into the mainstream through class room sessions.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

It is an unwritten practice that the teachers hold a few introductory classes before commencing with the actual course work. The introductory session acquaints the students with the institution and its culture. Students are encouraged to interact with teachers outside the classroom to address their course related problem. Remedial Classes and tutorials are organized. Counselling and placement cell plays important role in motivating students.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Following steps are been taken in our Co – Education institution.

- The college has constituted the internal complaints committee (ICC) and grievance cell in compliance with the prevention of sexual harassment act of 2013.
- The NSS unit, Cleanliness committee, Beautification Committee and Botany department under take several cleaning and plantation drives in the campus
- NSS observed “Swachhata Abhiyaan” and “Beti Bachao-beti padhao Abhiyan”
- It is a practice to plant trees on republic day, Independence day and Founders day
- Tree plantation by the hon’able guests is a routine practice.
- Our campus has facilities for composting and vermi-composting.
- Activities related to gender sensitization and environments are held regularly.
- The campuses have water harvesting and solar panels to conserve water and energy.
- Besides redressing complains the faculty creates awareness among students on gender equality, women’s’ education, female foeticide, female health etc.
- Important days such as an International women’s day (8th March) are observed.
- Women Cell addresses women related problems.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The advanced learners are first identified by their respective teachers, who then encourage them to participate in various activities like quiz contest,

debates etc. the teachers tell them about the opportunities for further studies and career advancement.

The college supports them for participating in state level, national and international contests. It provides latest books, journals and literature to advance learners through Library facility.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

- The departments collect data and information of students through attendance register, class test and teachers
- The performance of students is discussed in departmental meetings. Under performers are counselled by teachers who try to ascertain the cause of poor performance and resolve it.
- Additional classes are conducted by respective teachers.
- Special counselling for the socially backward and slow learners. However drop out is problem in the college due to a considerable number of students coming from economically weaker section of the society.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

Academic Calendar: The institute is affiliated to Dr. Bhim Rao Ambedkar University, Agra. The academic calendar is formed by the university and the college follows it.

Teaching plan: The official staff prepares the time table and sends to the departments.

Evaluation: Dr. B. R. Ambedkar University, Agra declares the date for commencement of examination and other schedules. The date of practical examination is decided by Internal Examiners of the College in consultation with external examiners of other colleges/ universities. Both the examiners are appointed by Dr. B. R. Ambedkar University, Agra.

The College appoints the examination Superintendents/Coordinators for the 3 examination Sessions i.e. morning, noon and evening. Strict invigilation is done by teachers to conduct the examination smoothly. The answer booklets are evaluated centrally by the university and the results are declared by the same.

We can say with immense pride that it is the aim of the college to conduct fair examinations.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

The IQAC has been set up to perform the following functions in accordance with the guidance of NAAC.

- Monitoring the faculty competence and strength by collecting and analyzing self appraisal report.
- Documentation of programmes and activities leading to quality improvement.
- Promotion and internalization of good practices.
- It is actively involved in the execution and enhancement of quality of teaching, learning, and research and evaluation process.
- Arrangement for feedback response from students, parents and alumni.
- Facilitating the creation of learner centric environment conducive to quality education.
- Emphasis and the need to encourage students to actively participate in extracurricular activities for personality development .
- Research activities and its implementation are effectively provided and encouraged.
- Evaluation of Performance of teachers under Career Advancement Scheme of teachers for promotion.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The teachers attend mandatory number of orientation and refresher courses held at various academic staff colleges. The faculty's members are encouraged to attend various workshops and specialized courses. We believe in the enormous potential of the students and encourage ICT, group discussion, field surveys and excursions. A major support system for student's centric learning is excellent central library we maintained. Besides the most of the departments have a departmental library.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The academic vision of the college emphasizes on promoting original and critical thinking & nurturing creativity of the students. We value the vision of the students and encourage them to focus on learning and growing rather than being excessively obsessed with examination and result. Holistic growth is fostered among them by encouraging critical thinking, creativity and scientific temper.

The college and departmental magazines (**Udaishree and Rajshree**) provides an opportunity to students to express their creativity and publish articles, stories, poems etc. The students are encouraged to think and act beyond the syllabus and text books by following methods.

- Seminars and power point presentation
- Brain storming and group discussion
- Projects and assignments
- Excursion and fields trips
- Village surveys
- Action Research
- Participations in various activities at state and national level.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

The faculty besides the conventional class room teaching uses and practices the following:-

- R.B.S. college portal
- Projector- enabled class rooms
- Computer aided learning
- Lectures by Resource Persons
- Educational trips
- Training programmes
- Seminars etc.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

The faculty and students are exposed to advanced learning and knowledge in the following manners:-

- Organizing and attending national and international seminars, workshop and training programmes
- Educational trips to industries
- Field trips
- Interface with social workers, authors & poets
- Resource persons of various fields are invite to deliver lecture and share their expertise :-

Renowned personalities - Sri.N.K.Janoo, IFS, DFO, Agra, Dr. Harbir Singh, Director, Horticulture ,ASI, Agra, Dr. Kirti Singh, Chairman QRT for KVKs, ICAR, New Delhi, Dr. A. N. Shukla Ex-A.D.G.(KVK) ICAR, New Delhi, Dr.M.P.Yadav, Ex.VC SBPUA&T Meerut, Dr. A.K.Singh, Zonal Project Director, Zone-IV, Kanpur, Dr.Atar Singh, Principal Scientist, Zone-IV, Kanpur, Dr. V.V.Sadamate, Advisor (Agri), Planning Commission, GOI, New Delhi, Dr. S. K. Singh, PS, CIRG, Mathura, Sri Kali Charan MLA, Agra Rural, Sri. K.P.Singh DHO, Agra, Dr. B.B. Singh, National Consultant NSFM, New Delhi, Sri Jagan Prasad, MLA Agra, Smt. Bhararti Jain, Food and Nutrition Consultant, New Delhi, Dr. N. Venkatachalpathy, Scientist, Indian Institute of Crop Processing, New Delhi, Dr. Jabir Ali, Chairman, Centre for Food and Management, IIM, Lucknow, Dr. A. H. Usman, Director, Nigeria, Dr.S.K.Dubey, Zone-IV, Kanpur, Dr Manjeet Singh Nain, Sr.Scientist, IARI, New Delhi, Dr.S.K.Dubey, In charge, CSWCR&T Centre, Agra, Dr.Lakhan Singh, Principal Scientist, Zone-IV, Kanpur, Sri Sarvesh Kumar, AIR, Agra, Dr.Brijmohan, PS, CIRG, Mathura, Dr. Bruce Cary , New Zealand, Dr. Y.V.Singh, ZPD, Zone-VI Jodhpur, Dr. K.P.C. Rao.,PS (Agri.Eco.) ICAR & ICRISAT, Dr. R. G. Upadhyay, CC, NHM (DAC), New Delhi, Dr.K.Gururaj, Sr.Scientist, CIRG, Mathura, Dr. Vijai Kumar. Scientist, CIRG, Mathura, Dr. S.K. Agrawal, Director, CIRG, Mathura, Dr. Y.P. Singh, PS, DRMR, Bharatpur, Dr. K.M.L. Pathak, D.D.G.(A.Sc.) ICAR, New Delhi, Dr. O. P. Premi, PS, DRMR, Bharatpur, Dr. Tej Vir Singh Tevtiya DD (Ag), Agra, Sri. Shelendra Kumar, Dy. Director, PP Agra, Sri.Yatendra Singh, PPO, Agra, Dr. Abid Mohammad, Director, BARI , Pakistan, Dr. Md. Delawar Hussain, DPD,BARI, Bangladesh, Dr. V. Vishwakantha Singhma, FCRDI, Sri Lanka, Dr.M. Gaimiary , RNRRC ,Bhutan , Dr. Ramnarayan Chaudhary, NORP, Nepal, Dr. L.A. Veerasena, Deptt. ff Agri. Sri Lanka, Dr. Nazir Ali, Pakistan, Sri Ram Narayan Chaudhary, NORP, Nepal, Dr. Dorothea Toter, Martin Cherian, Germoney, Ch. Baboo Lal, MP Fatehpursikari, Smt. Anita Singh, DHO, Agra, Sri Prem Veer Singh, Incharge, R.S.T.Lab, Agra, Sri Mohan Singh Chahar, Jilaadhyakchh, Bhartiya Kisan Sangh, Agra, Dr. Pankaj Sharma, SS, DRMR, Bharatpur, Dr. Bhagawat Singh Rathor , Sr.Scientist/ Head, KVK, Alwar, Dr. Sujai Kumar, Dy.PD (ATMA),Agra, Smt. Rashmi Jayant, CEO, Ek kadam welfare society, Agra, Dr. R. L. Rajput, Ex- PC, KVK,

Awagarh, Sri Tilak Singh, AD, R.S.T. Lab, Agra, Sri Gaurav Yadav, DAO, Agra, Dr. Puneet Kumar, DDM, NABARD, Agra, Dr. R.G. Parmar, BACA, AAU, Anand, Prof. Cheepa VC, Barakataullah University, Bhopal, Dr. Prithvi Nag, Ex. Surveyor General of India, Dr. D.P. Singh, Vice-Chancellor JNKVV, Jabalpur, Dr. R.C. Gautam, Director Agriculture, IARI, PUSA, New Delhi and many more have delivered lectures (Ref. Departmental reports).

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

Statistical information is not available.

- Career counselling/placement cell is functioning in the college since last few years.
- Faculty counselling enables students to cope with commonly faced problems like examination phobia, peer pressure.
- Individual teachers also mentor and support their students

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The institution has always encouraged the teaching faculty to adopt innovative practices. The following innovative methods have been adopted during the last four years.

- Use of internet for latest update
- Power point presentation.
- Interactive teaching within classroom through group discussion and group projects.
- Field based studies as per curriculum
- Assignment to students.
- Departmental seminars.
- Action Research

2.3.9 How are library resources used to augment the teaching- learning process?

The institution has a well equipped computerized college library having various journals, reference books, periodicals and news papers. The library is open from 09.30 A.M. to 05.30 P.M. on all working days. The library committee takes care to purchase standard books from vendors or world book fair.

All departments maintain small but useful library to address the specific needs of their students. The Library has:-

Reading room: - Yes

Reference Room: - Yes

Browsing faculty: – No

New books and journals are on the display board. There is internet surfing and printing facility

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes, the college faces the challenge of completing the curriculum with in time due to the late declaration of results by the affiliating university. However the institution overcomes this in the following manner:-

- The time-table is provided by the college within which the in-charge of various departments prepares the teaching and practical schedule to ensure that syllabus is completed in time.
- Classes are commenced provisionally even if the qualifying classes' results are not declared.
- Extra classes and compensatory lectures and practical classes are conducted.
- Extracurricular activities are held in late afternoon so that regular classes are not hampered.
- Teachers are appointed on contract/guest basis as per requirement of individual departments.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

The institute monitors regular and smooth implementation of class time-table.

- Principal and HODs ensure that classes are held punctually.
- Feedback from students on courses
- Staff meeting/Departmental meeting for corrective majors after feed back
- Teachers are encouraged to attend faculty development programmes.
- The library facility are reviewed in each academic session

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its

human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

The permanent and regular teachers of the institution are selected and recruited by the Uttar Pradesh Higher Education Service Commission in accordance with UGC rules.

- The Mandai and guest appointments are done by duly constituted panels including the Principal, members of the management and subject experts.
- Guest faculty is called if required.
- Retired teachers continue on Mandai basis as per provision of the Higher Education Directorate.
- The College approves study leave to pursue Ph.D. and post Doctorate.
- Duty leaves are sanctioned by the Principal / management to participate in orientation and refresher course, workshops and seminars. The college gives financial supports in the form of T.A. & D.A. for attending seminars, conferences in India and Abroad.
- The Principal interacts with the faculty to understand their needs/requirements.

Following tables shows the qualification of the teachers.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<u>Permanent Teachers</u>							
D. Sc. / D. Litt.	---	---	---	01	---	---	01
Ph. D.	---	---	49	18	20	04	91
M. Phil.	---	---	01	---	01	---	02
PG	---	---	---	---	02	--	02
<u>Temporary Teachers (Mandai)</u>							
Ph. D.	01	---	17	03	10	7	38
M. Phil.	---	---	---	---	---	---	---
PG	---	---	1	---	---	---	1

<u>Part-time Teachers</u>							
Ph. D.	---	---	---	---	01	---	01
M. Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	02	01	03

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The college has qualified and competent faculty who update themselves in the required field by refresher courses which are specially, formulated to meet new challenges in individual disciplines.

- The college provides internet facilities to teachers to explore new and latest material on the concerned topic.
- faculty participate in workshop to get first hand training in new area/fields
- Resource persons are called periodically to update faculty and students.
- The Institution gives a free hand to faculty when funds are required to buy latest material and equipments.

2.4.3 Provide details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

Nomination to Staff Development programme

ACADEMIC STAFF DEVELOPMENT PROGRAMME	No OF FACULTY NOMINATED
Refresher Courses	35
H.R.D. Programmes	5
Orientation Programmes	15
Staff Training Conducted by the University	15
Staff training conducted by Other Institution	5
Seminar/Winter Schools, Workshop, etc.	40

- Every year a few teachers attend refresher courses and orientation courses conducted at various academic staff colleges and professional institutes across the country.
- The college is prompt in granting duty leave and making alternative arrangements so that classes do not suffer.
- Teachers are encouraged to attend seminars, conferences and workshops.
- Encourage teachers to use computers and Laptops.
- Promotes the use of tools and technology for teaching like OHP, LCD. Audiovisual aids, Multimedia and more.

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The Institution believes that the growth of the Institution is directly proportional to the growth of its faculty. This growth is supported in the following manner:

- The Institution is governed by the University UGC rules regarding all type of leaves.
- Encouraging faculty to participate in orientation Programmers, Refresher Courses and Workshops organized in different Parts of the country.
- Duty Leaves for the same are granted as per rules.
- A few departments have organized National Seminars on emerging topics in the past few years.
- Guest lectures by eminent academicians and expert to enrich the faculty.
- Nearly 300 research papers & 50 books published by faculty.
- The College sanctions Maternity and Child Care leave to women as per UGC norms.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

1. **Dr. Lalit Mohan Sharma:** Best Teacher Award, Subhash Chandra Bose Jagrati Manch, Agra.
2. **Dr. Surekha Tomar :** “Sudhi Shikshak Samman” on Teacher’s Day
by Sahitya Sadhika Samiti.
3. **Dr. Manu Kant Shastri:** “Nation Builders Award 2016” by Rotary Indian

Literacy Mission for valuable contribution to Nation Building as a teacher.

4. Dr. Vinod Kumar

- Dr. Arvind Ghosh Award 2010 for SRKM, Agra
- Veer Vivek National Award 2013 for Youth Empowerment , Agra.

5. Dr. Basant Bahadur Singh

- **International** - Shri Vidya Award, Sanchi, (M.P.) 10 January 2016.
- **International**–Dr.H. K. Kapil Memorial Award for Best Educational Researcher–Nov 2016
- **International**–Global Educational Leadership Award, Agra (U.P.) 2013.
- **National**– National award for Best Research paper, Bhopal (M.P.) 2011.
- **National**–National award for Innovative Researcher of the year 2012.
- **National**– Samant Chandra Sekhar Siksha Samman, Puri (Orissa) 2014.

6. Dr. M.P. Gupta

- Scholar of Wisdom Award 2016
- Sant Charan Das Samman 2013
- Bhagwan Parshuram Award 2013
- Swami Viveka Nand Award 2014

7. Dr. Seema Bhadauria : “Sudhi Shikshak Samman” on Teacher’s Day
by Sahitya Sadhika Samiti.

8. Dr. Rekha Rani Sharma “Nation Builders Award 2016” by Rotary Indian
Literacy Mission for valuable contribution to Nation Building as a teacher.

9. Dr.Nishant Chauhan: "Excellence in Teaching Award" on 20th March, 2017
by Society of Human Resources and Innovation on the occasion of National
Conference on "Advance in Global Research in Agriculture and Technology".

10. Dr.Rajvir Singh: Received the prestigious “**Bharat Shiksha Ratan Award**” in
2012 by the Global Society for Health and Educational Growth, New Delhi.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

No, but Suggestions are invited on various aspects of teaching like knowledge, language, presentation, course covered etc. Corrective measures are taken thereby improving the teaching learning process.

2.5 Evaluation process and reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The evaluation process is conducted by the affiliating University which has adopted the Centralized Evaluation Process since the past several years for fair and equitable evaluation. After the examination the conveners / nodal officers invite the eligible examiners. Notice regarding the commencement of evaluation is communicated to the Principals also who in turn apprise the teachers / examiners about the evaluation process. As regards practical examination it is conducted by the appointed internal examiners and external examiners in the respective departments.

The evaluation parameters are made amply clear to the examiners

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

The College is not directly involved in making evaluation reforms. However the university examination committee consists of senior faculty members of different colleges who provide inputs for reforms. There are few major evaluation reforms in the past few years. First was the introduction of OMR sheets for environmental science & Rashtra Gaurav. The OMR Sheets were later adopted in Languages & Sociology. More Papers are being conducted by OMR Sheets. Secondly the University has adopted the coding system of answer booklets centralized evaluation system, limited answer sheet allocation per day and on spot marks feeding.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The College ensures fair conducting of the precursor to fair evaluation in the following manner:

- Well organized seating plan.
- Considerable gap between seats.
- Strict invigilation.
- Internal & External flying squad.

Our institution allows faculty to evaluate answer sheets at Central Evaluation Centre. Some of the teachers are appointed evaluation coordinators/ co-coordinators. They are responsible for fair evaluation work. The institution follows evaluation rules and assesses the candidate on basis of:-

- a. Attendance
- b. Performance in practical examinations
- c. Seminar orations
- d. Participation in institutional activities
- e. Viva-voce examinations

2.5.4 Provide details on the formative and summative assessment approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

Students achievements are assessed by the following formative assessment tools:-

- Response in class interaction
- Class assignment and class tests
- Regular practical
- Internal Seminars
- Field Studies and project work
- Internal assignment has a definite positive impact.

Assignments, Seminar, Group Discussion, Projects under the guidance of faculty help them to improve their knowledge. It motivates the students to perform better. There is a healthy competition to excel in different fields. For e.g., tests are conducted continuously till the students are successful. This practice helped in enhancing the performance of students in University exam.

Students are assessed by following summative assessment tools:-

- a. University examination (Annual) and Evaluation of answer sheets
- b. University examination (Semester)
- c. Final Practical examination conducted by internal & external examinations
- d. Viva-voce examination conducted by internal & external examinations
- e. Project presentation before experts

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

Evaluation is done in a centralized manner and there is a little scope for internal assessment in the present system. The practical examination and viva/Voce examination is assessed by the internal together with external examiner appointed by the university. Weight age is given to the attendance of students, regularly in showing their practical assignments to teacher concerned and active participation in the department.

2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The institutional graduate attributes for students are:-

- a) Internal Evaluation
- b) Societal behaviour.
- c) Moral values.
- d) Relationship.
- e) Societal contribution.
- f) Educational enhancement.
- g) Learning and reading habits.

2.5.7 What are the mechanisms for redressed of grievances with reference to evaluation both at the college and University level?

The college addresses the grievances of students related to examination and evaluation. The applications of the students seeking redressal for Retotaling, Reappear, Re-evaluation, Scrutiny etc. are accepted at the college office help desk and the Principal forwards it to the university.

2.6. Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes, The College has a clear vision of the learning outcomes which are stated in the vision and mission of the college. This is inculcated in the students through both formal and informal way in the classroom and outside the classroom.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students

results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

In the present system of annual university examination, the college monitors the strength and weakness of student in academics on the basis of classroom interaction, tutorials, and assignments. Analysis of result of students is given in evaluative report of departments.

The university examination results are sent to the various Departments. The teachers study and analyses the marks obtained in their subject/paper. This gives an insight into the areas which need special attention.

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

At the beginning of each session, the department receives the college timetable from the Principal and the HoD and senior faculty members frame the work load distribution of the teachers. Effective teaching plans are made and implemented. The introduction of college uniform inculcates a sense of equality among the students apart from given them a sense belonging to the college. Class room lectures are supported by expert teachers, career guidance, training programmes, quiz competitions, debates etc. Extracurricular activities like cultural programmes, reports, cleanliness drive, tree plantation work towards the intended learning outcomes.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

The social and economic relevance of the courses offered are enhanced in the following manner:-

- The college has a career guidance and placement cell. This gives all relevant information about various employment opportunities, eligibility criteria for these and also suggests ways to achieve the target.
- Research aptitude among students is enhanced by compulsory project works in some subjects. But for a few all are P.G. departments which supervise Ph.D. work.
- Programmes such as NCC, NSS and Rovers/ Rangers go as long way in enhancing the social relevance of the students.
- College and departmental magazine gives them an opportunity to show their literary talent.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

University provides the main data of result besides the personal assessment made by teachers. At the beginning of each session the data is analyzed and discussed in the faculty departmental meetings. Remedial measures are suggested and taken by faculty.

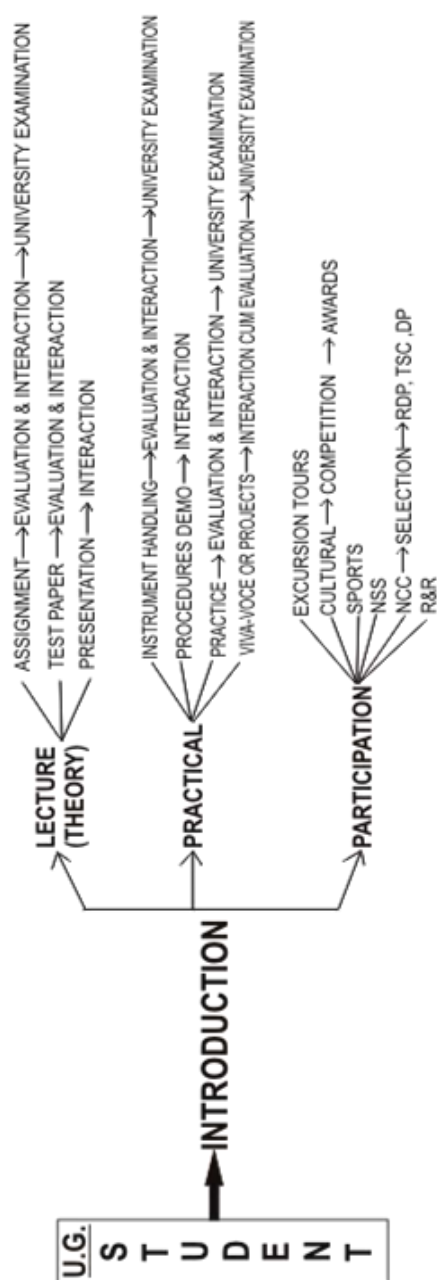
2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

The institution ensures that all the concerned bodies like IQAC, Academic Council and college department committees monitor and ensure proper functioning of teaching learning process. It ensures full implementation of the timetable, workload division and instructional facilities.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples. Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

Yes, institution and teachers use assessment and evaluation outcome as an indicator for evaluating student's performance, achievements of learning objectives and planning. The process is as follows:-

Student Performance Evaluation Process



Criterion III - RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

The College has set pioneer paradigms in the field of Research & Extension.

1. It is the first college to be recognized by the Department of Scientific and Industrial Research (D.S.I.R.), New Delhi.
2. It is recognized Research centre of Dr. B.R. Ambedkar University, Agra and Dr.APJ Abdul Kalam Technical University, Lucknow.
3. The Department of Science and Technology, New Delhi has established “Seismo-Electromagnetics and space research laboratory” In R.B.S. Engineering Technical Campus of the college.
4. The Botany Department of the College is D.S.T.- F.I.S.T. sponsored with level I and II both. Few Departments are U.G.C.- C.P.E. star performer departments (Botany, Physics , Zoology)
5. This College has pride of being a Centre of long term All India Coordinated Projects under Indian Council of Agricultural Research (I.C.A.R.), New Delhi and Ministry of Agriculture, Govt. Of India, New Delhi -
 - a) All India Coordinated Integrated Farming Systems Research Project.
 - b) All India Coordinated Research Project for Dry Land Agriculture.
 - c) All India Coordinated Research Project of Salt Affected Soil and use of Saline Water in Agriculture.
 - d) Comprehensive Scheme for the Study of Cost of Cultivation of Principal Crops in U.P.
6. The College is meticulous in the field of extension too. It is the only College in the country, earmarked with two ICAR sponsored Krishi Vigyan Kendras in Agra and Etah Districts for technology transfer and extension to farmers and society.
 - a) Krishi Vigyan Kendra, Post Awagarh, Distt. Etah.
 - b) Krishi Vigyan Kendra , Bichpuri.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, there is Research Advisory Board consisting of following:

1. Composition of Research Advisory Board

Name	Designation with complete official address
Dr. Anupam Goel	Principal, R.B.S. College, Agra
Dr. B.P. Singh	Associate Professor, Dept. of Agronomy, R.B.S. College, Agra
Dr. R.V. S. Chauhan	Associate Professor, Dept. of Physics, R.B.S. College, Agra
Dr. Seema Bhadauria	Associate Professor, Dept. of Botany, R.B.S. College, Agra
Dr. Laxman Singh	Associate Professor, Dept. of Animal Husbandry & Dairying, R.B.S. College, Agra
Dr. Yogesh Singh	Assistant Professor, Dept. of Agricultural Chemistry and Soil Science, R.B.S. College, Agra
Dr. Birbal Singh	Emeritus Scientist-DST, Raja Balwant Singh Engg. Tech. Campus, Bichpuri, Agra.
Dr. Rajesh Dhakrey	Dean Research, Dr. B.R. Ambedkar University, Agra
Dr. Vibha Rani Satsangi	Professor Dayal Bagh University, Agra

The board has proposed following recommendation:

- To prepare proposal to seek approval/recognition from D.S.I.R., New Delhi to get custom duty exemption on import of costly and sophisticated instruments, chemicals like – Atomic Absorption spectrophotometer, Zeta sizer, Gas Chromatograph, Fourier transform infrared Spectrometer etc., directly through manufacturing companies by bank letter of credit (L.C.) mode of payment.
- To apply under U.G.C.- instruments maintenance facility programme for seeking financial assistance for the maintenance of instruments and paying honorarium to technicians and other related staff.
- To use the 70% overhead budget of the co-terminus projects in departmental development.
- The committee expressed worry on the stagnant condition of research. It is to be noted that this university has not registered any research scholar in any subject since last 7 years (i.e. after 2009).

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- **Autonomy to the Principal investigator**

The institution provides autonomy to the Principal investigator to facilitate smooth progress and implementation of research schemes/projects.

- **Timely availability or release of sources**

The Institution has adequate infrastructure and human resource to promote the research schemes/projects. The timely availability of funds/release or

sources to facilitate the research activities is also assured. The college also provides special leave as Duty Leave for attending such type of activities.

- **Adequate infrastructure and human resources**

The Institution provides internet facility to all departments and particularly active researchers through which research scholars can take necessary information to accelerate the research activities. All P.G. departments have their own library having good number of books and journals, besides a Central library in college. The research scholars are provided adequate facilities like reprographic and computer facilities.

- **Support in terms of technology and information needs**

The college is providing adequate I.C.T. facility to all the faculty members. Regular online workshops in different fields of Engineering and science are conducted in collaboration at engineering campus with IIT's using A-View mode under Continuous Education Programme sponsored by MHRD, Government of India.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities.**

There is timely auditing facility in the institution by the Government agencies as well as Chartered Accountants and submission of utilization certificate to the respective financial authorities/agencies.

3.1.4 What are the efforts made by the institutions in developing scientific temper and research culture and aptitude among students ?

1. The institution provides all the facilities mentioned in 3.1.3. to students also. It provides space, agriculture farms, seed technology farms, Botanical garden, Farmers' Fields for front line demonstrations at KVKs and RAWES, chemicals, equipments, books etc. to scholars and post graduate students undergoing dissertation or minor projects. Faculty members also provide support and guidance to scholars in preparation and submission of projects for financial assistance to various agencies like D.S.T., I.C.M.R., D.B.T., U.G.C., C.S.T. and MoES. Some of the successful PDF scholars are Dr. Kaushal Pratap Singh, Dr. Anuradha Chauhan, Dr. Preetesh, Dr. Pankaj Garg, Dr. Manish Dubey ... (**List is provided in 3.2.7**).
2. The institution provides opportunity to research students to attend conferences/seminars held in reputed institutions so that they are aware of the recent advancements in various fields and create a research culture and aptitude among themselves. To facilitate smooth progress and implementation of research scheme, the college takes initiative in availing

these opportunities in seeking expert advises and support in terms of technology and information needs.

3. Faculty members also put hard efforts to motivate students to keep collaboration with scholars of pioneer research institutes –I.I.T. (Mumbai), Kharagpur, Wadia Institute of Geology – Dehradun, C.S.I.R.- C.M.E.R.I. , Ludhiana, I.U.A.C.- New Delhi, D.E.I.- Dayal Bagh Agra, JALMA.- Agra, Agarkar Research Institute- Pune, Hindustan College of Science & technology, Farah, Jawahar Lal Nehru University, New Delhi, I.I.T.- Delhi, Institute of Microbial Technology- Chandigarh, Forest Research Institute- Dehradun, etc. for analyses work and keeping high aspirations during research period.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

Please refer evaluative report of respective departments for details of individual faculty involvement in research activity, Ph.D. produced, individual research field, leading research projects, Research collaboration etc.

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Workshops/ training programmes/ sensitization programmes conducted/organized by the institution

International

- International Conference on New Approaches in Biotechnology and Biosciences-2016 “NABB-2016” with focus on Agriculture, Food, Pharmacy and Environment was jointly organized by RBS Technical and Engineering Campus, Bichpuri Agra and Society for Sustainable Agriculture (SSARM) on February 18-20, 2016
- International conference on “New Approaches in Food Security & Value Addition: Technological & Genetic Options” [February 17-19, 2014] organized by Post Graduate Department of Food Technology.
- International Workshop on Seismo – Electro magnetics and Atmospheric Science (IWSE-AS 2010). [November 16-18, 2010]organized by the Department of Physics (Applied science & Humanities)
- international Conference on “ Newer Advances in Food Science & Technology” [March 05-06, 2011 organized by the P.G. Department of Food Technology

- Indo-Spain workshop on “ Electrolyzed Water Technology: An Eco-innovative solution for Agro, food and water industries” at R.B.S. Engineering Technical Campus, Bichpuri (Agra) on July 14, 2016
- International Conference on Nano-structuring by Ion Beams (ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015
- International conference on “New Approaches in Biotechnology and Biosciences “NABB-2016” at R.B.S. Engineering Technical Campus, Bichpuri (Agra). On, February 18-20, 2016.
- 2nd International Conference on “New challenges in Biotechnology and Molecular Biology in the context of 21st century” held at St. Johns College, Agra on Feb 27-29 2016
- International Educational Conference ICE-2013 held on January 20-21 ,2013 on title “Reforms in Examination and Evaluation(2E) and its impact on Quality Education” Jointly organized by Faculty of Education, R.B.S. college ,Agra and ISEE,Chennai.
- 1st International Conference on “Emerging Trends in Biotechnology and Sciences with especial reference to Climatic Change” Banasthali Vidyapeeth, Jaipur
- International Conference on “New Challenges in Biotechnology and Molecular Biology in the Context of 21st Century” at St. John’s College, Agra

National

- Department of Mechanical Engineering organized a National conference on “Emerging Trends in Mechanical Engineering (ETME-2011)” during 17th -18th September, 2011.
- **Faculty Development Workshop [January 23 to February 04, 2012]**
- **A two weeks (14 days) Faculty development workshop was organized by the Institute of Entrepreneurship development, Lucknow (UP) from January 23 to February 04, 2012 sponsored by the Department of Science and Technology, Government of India, New Delhi.**
- Two days National Conference on “Energy and Environmental issues related to Chemical Industries (EEChemI 2012)” was organized by Department of Chemical Engineering in association with Indian Institute of Chemical Engineers (IIChE), Kanpur Regional Centre, Kanpur from February 18-19, 2012.
- **21-days Science and Engineering Research Council (SERC) School on ‘Seismo-electromagnetics’ sponsored by Department of Science and Technology, Govt. of India New Delhi was organized by the Department of Physics during 06-26 February, 2012.**
- National Conference entitled “Newer Horizons and Innovations in Biotechnology & Biosciences” (NHIBB-2012) was organized by Department of

Biotechnology of Faculty of Engineering & Technology, Raja Balwant Singh Engineering Technical Campus Bichpuri, Agra on April 07-08, 2012.

- Seminar on “Redhat Linux & Open Sources Technologies” [October 01, 2013] organized by the Department of Computer Science & Engineering on October 01, 2013.
- Workshop on “MATLAB in Chemical Engineering” [October 11-12, 2013] organized by the Department of Chemical Engineering, Raja Balwant Singh Engineering Technical Campus Bichpuri, Agra on October 11-12, 2013.
- Workshop on “Software Testing” [October 21-22, 2013] organized by the Department of Computer Science & Engineering, Raja Balwant Singh Engineering Technical Campus Bichpuri, Agra on October 21-22, 2013.
- National Workshop entitled, “ Use of Technical Vocabulary in Engineering & Technology” [October 27-28, 2013] organized by the Commission for Scientific & Technical Technology, Ministry of Education, Government of India and held at Raja Balwant Singh Engineering Technical Campus Bichpuri, Agra during October 27-28, 2013.
- One Day Seminar on Role of CSTUP in Promotion of Science and Technology and Facilitation of IPR Protection held by Zoology Deptt. at RBS College, Agra on 22nd Feb. 2015.
- National Seminar on Teacher Empowerment & Educational Excellence vision 2020, 19th Dec. 2010, at R.B.S. College, Agra
- National Seminar on Conservation, Cultivation and Utilization of Medicinal Plants, 26-27 Feb., 2011 at R.B.S. College, Agra U.P.
- National Seminar on “Waste Management and its control measures: Present and Future Strategies” sponsored by Department of Higher Education, Government of Uttar Pradesh, was held on 27-28 February, 2016 at R. B. S. College, Agra.
- National Seminar on “New Frontiers in Organic Farming for Sustainable Development of Indian Agriculture” March 14-15, 2015. Sponsored by Department of Higher Education Government of Uttar Pradesh.
- National Seminar on “Yamuna Water Pollution and its Control Measures: Present and Future Strategies.” 30-31 March, 2014. Sponsored by Department of Higher Education Government of Uttar Pradesh.
- National Seminar on “Climate Change and Biodiversity: Present Status and Future Strategies” 3-4 March, 2013. Sponsored by Department of Higher Education Government of Uttar Pradesh.
- National Seminar on “Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants” February. 25-26, 2012. Sponsored by UGC, New Delhi.
- National Seminar on “Conservation, Cultivation and Sustainable Utilization of Medicinal Plants” February 26-27, 2011. Sponsored by Department of Higher Education Government of Uttar Pradesh.

- National seminar on impact of population growth on agriculture and rural development Dept. Of rural economics and co-operation held on Feb, 09-10, 2013 at Balwant Vidyapeeth Rural Institute, Bichpuri, Agra.
- National seminar on status of land resources: challenges and solutions organized by Dept. Of Rural Sociology and Community Development held on March 08, 2014 at Balwant Vidyapeeth Rural Institute Bichpuri, Agra.
- XXIV Biennial workshop held at CIRG Makhdoom, Farah (Mathura) Organized by Raja Balwant Singh College, Bichpuri, Agra And ICAR-CSSRI, Karnal, Haryana (5th-7th June, 2015)
- Training Programme cum Workshop on “ Innovative Techniques as Alternative for animal replacement in Zoology Laboratory exercises”.2011 Deptt. Of Zoology, R.B.S.College, Agra
- National seminar on Value Added Functional Foods: Prospects and Future Challenges was organized on Feb, 23-24, 2013 sponsored by UP Govt.

In addition to above referred ,following workshops/ training programmes/ sensitization Programmes are also conducted / organized by the institution:-

a. KVK Bichpuri

TRAINING TO PF/R/EF –

Year	2011-12	2012-13	2013-14	2014-15	2015-16	Total
Number of Courses	201	172	192	230	208	1003
Number of Male Participants	2085	2168	2388	2960	2329	11930
Number of women Participants	484	474	477	338	459	2232
Total Number of Participants	2569	2642	2865	3298	2788	14162

- **FRONT LINE DEMONSTRATION CONDUCT-** To disseminate the latest technology to farmers **1731 F.L.D.** were conducted (in **275.66ha & on 1403 animals**) on different crops-Oil seeds-Sesame-(62 farmers,16ha),Mustard-(182 farmers,59ha.),Cereals-Wheat-(313 farmers,97.76ha),Barley-(64 farmers,16 ha.),Bajra-(96 farmers,24 ha.),Pulses-Gram-(50 farmers,20ha), Vegetable-Okra-(4ha of 18 farmers),Potato-(20.5ha of 72 farmers),Brinjal-(1.1ha of 7 farmers),Chilli-(1.00ha of 4 farmers),Tomato-(0.3ha of 5 farmers),Bottle Guard-(1.00ha of 5 farmers),Pea-(0.2ha of 2 farmers),Carrot-(0.2 ha of 2 farmers),Capsicum-(0.2ha of 2 farmers), Coriander-(0.3ha of 3 farmers),Carrot-(0.20ha of 2 farmers), Flower Crops-Marigold-(0.70ha of 4 farmers),Fodder Crops-Berseem-(7.4ha of 122 farmers),Oat-(2.0ha of 22 farmers),Sorghum-(4ha of 26 farmers),Live stock Production-Low Milk yield (20 buffaloes of 20 farmers), Mortality Management(916 buffalo calves of 565 farmers), Liver fluke Management-(467 Goats of 106 farmers).
- **ON FARM TRIALS - Thirty Six On Farm Trials** were conducted by KVK on **Potato, Okra, Chilli-** varietal, balanced use of fertilizers-use of trace elements

i.e. Sulphur, Zinc and Boron, balanced use of fertilizers in **Wheat, Mustard, Barley**, Weed control in **Wheat**, Phyllody control in **Sesame**, Weed Control-**Wheat**, Deworming of **calves, kids, Low milk yield in buffaloes**, regular normal fertility in buffaloes, **control of Mastitis** etc. at farmers fields and results are very positive to the programme.

- **EXTENSION ACTIVITIES –KVK** Organized different extension activities i.e.- Field Days, Farmers Fair, Scientist visits to farmers field, Farmers visits to KVK for consultancy, Extension Training meetings (lectures delivered as resource person), KVK visited by group of farmers, Group of Agricultural students visit to KVK, Animal health camp, Farmers Scientist meet, Radio talk, News paper coverage, Extension Literature, Research Papers, Technical Reports, Technological week, Agricultural Scientist Meet, KVK Foundation day, Agriculture Education Day etc.
- **SOIL/PLANT SAMPLES TESTED-** KVK, Bichpuri, Agra tested **1805 soil samples, 40 Plant Samples** of farmers and distributed **555 Soil Health Cards** to farmers of the Agra District.

b. KVK Awagarh :

S. N.	Programmes	2015-16		2014-15		2013-14		2012-13	
		Nos.	unit	Nos.		Nos.	unit	Nos.	Unit
1.	Training Programmers	159	2308 Farmers	187	2983	182	2765	144	2500
2.	FLDs (Oil seed, Pulses, Creaks, livestock, others)	234	53.22 hact. 158 animals	247	32.12 hact. 339 animals	426	17 hact.	707	74.4 hact. 428 animals 80 farm machinery
3.	Technology demonstration, Assessment & Refining	6	52 demos	5	32	2	23	1	10
4.	Extension Programmers	97	4995 Farmers	50	2505	167	8924	125	7419
5.	Production :								
	a) Paddy, Wheat & Mustard Seed		584.99 Q.		669Q.		473.8 Q.		533
	b) Bio products		440 Q.	-	-	-	-	-	-
	a) Fishery auction		12000/-	-	-	-	-	-	-
	b) Livestock production		30		38				
	c) Vegetables/ Plants/ seedlings					278 Farmers	27040	262 Farmers	30235 328 onion seedlings
6.	Mobile advisory services			Calls 1430	SMS 1157				
7.	Soil and Water testing	1884 Farmers	2246 samples		222 Samples	241 Farmers	345	408 Farmers	777 Samples

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Prioritized areas of research of each faculty are given in evaluative report of the departments. The expertise of the institution lies in thin Film deposition, nanotechnology, nanomedicine, seismology, microbiology, Reproductive biology, Plant Taxonomy, Natural products, Seed Technology, Agriculture, Soil Science, Plant breeding, Fisheries, Human Rights, Population and urban geography, Literature, Education and Extension.

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

Researchers of National and International repute are invited by the Organizing Secretary of the national/international conferences being held in the institutions. They are also invited to delivered talks during the session and are invited for conducting viva-voce in practical, Ph.D. examination and research advisory board meetings, as external.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

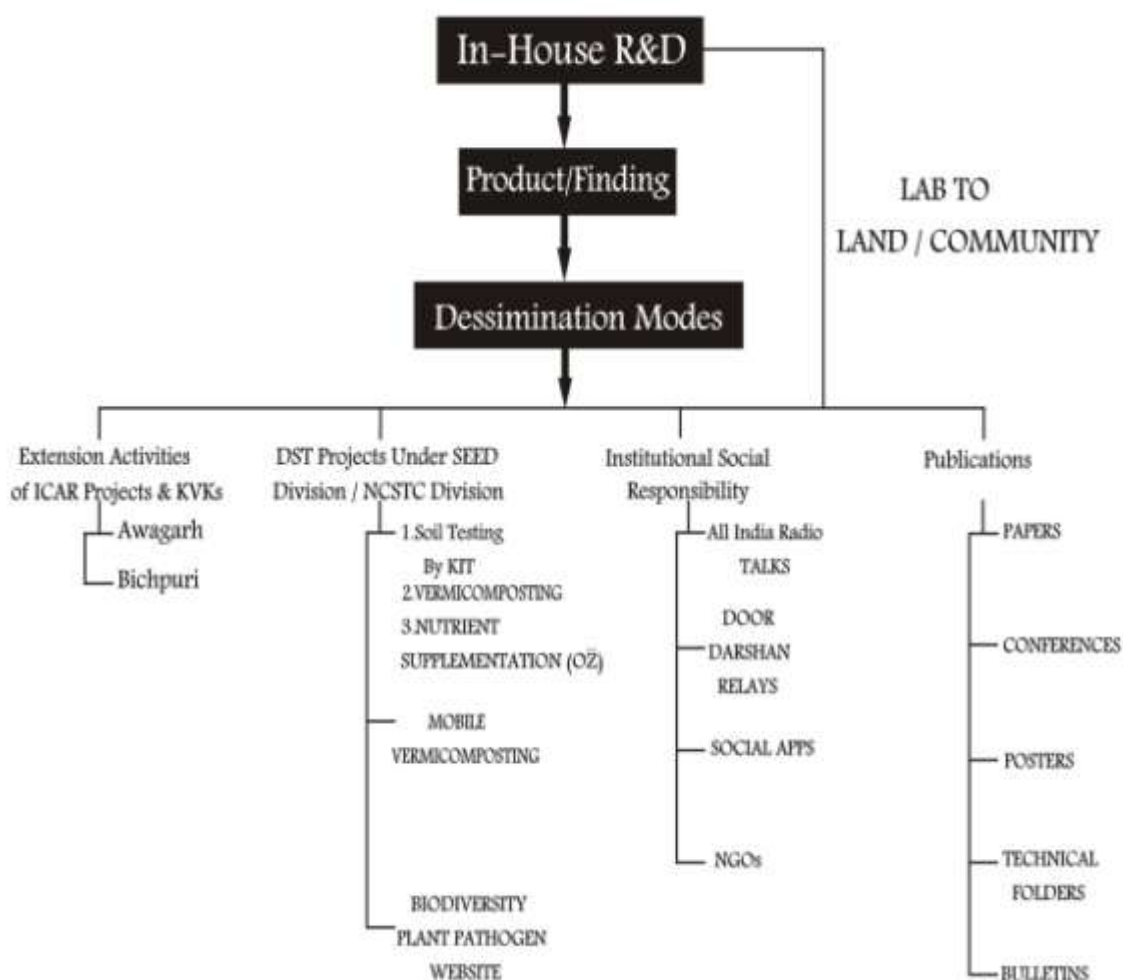
0.5%. The scientists have gained collaboration with other renowned research centers and Universities like- University of Milan, University of Florence (C.S.G.I.- Centre for Nanoscience), I.I.T.- Mumbai, I.I.T.-Delhi, I.U.A.C.,New Delhi. Exchange of technologies and new concepts has arisen.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land):

a. **The Cost of Cultivation scheme** is implemented in the college through Min.of Agriculture to evaluate the expenditure incurred by the cultivators on various inputs for the crops, under study. These estimates and related statistics are also used for a wide variety of other important purposes like compilation of National Accounts Statistics, computation of Wholesale Price Indices, research studies on cost of cultivation and farm income etc. **Minimum Support Prices** of various agricultural commodities form the basis of Agriculture Price Policy in India. The Directorate of Economics and Statistics (DES), an attached office of the Department of Agriculture and Cooperation, Ministry of Agriculture and Farmers Welfare, Government of India, collects, disseminates and publishes statistics on diverse facets of agriculture and related sectors required for policy formulation by the Government. Among the various functions of the DES, **the Minimum Support Prices (MSPs) has great relevance in price fixation based on the recommendations made by the Commission for Agricultural Costs and Prices (CACP).** The most

important factor considered by the CACP in making its recommendations on MSPs for different crops is the cost of cultivation / production for which the database is provided by the DES through its plan scheme on cost of cultivation.

INSTITUTIONAL INITIATIVES TO PROMOTE RESEARCH PRODUCTS



Institutional social Responsibility: Many Scientists (Dr.Ran Vijay Singh, Dr.R.P.Agarwal, Dr.Vipin Agrawal, Dr.S.P.Singh (AICRPDA), Dr.P.K.Upadhaya, Dr.B.P.Singh, Dr.S.B.Singh, Dr.Seema Bhadauria, Dr.Sunil Pathak, Dr.B.B.Singh, Dr.Lalit Mohan Sharma, Dr.Rahul Pundhir and other faculty members have delivered All India Radio talks and Doordharshan relays. Dr.Yuvraj Singh and Dr.Jyotsana have active participation in National Kavi-sammelans.

Dr.OmPrakash and Dr.Ranvijay Singh have undergone 21 days refresher course on **Disasater Management** and awarded for their social contribution. Dr. Nishant Chauhan attended two days **Search and Rescue course** held at **National Civil Defence College, Nagpur on 24th & 25th January, 2012.**

1. Extension activities of KVKs (ref 3.1.6).

2. DST projects of SEED & NCSTC Division of DST running in Botany department.
3. We disseminate details of research findings in National and International journals and conferences.
4. Our Institution also publishes **2 journals** and 5 other journals (The Journal of Rural and Agricultural Research ISSN No.0972-4370 RNI Number U.P.BIL/200/7990: NAAS rating 3.89, Humanities & Social Sciences: Interdisciplinary Approach- ISSN: 0975-7090, Journal of Scientific & Technological Research- ISSN: 2231-4709, Fundamental Research, Annals of Plant and Soil Research- 2347-6036, 'TECHNOFAME' ISSN: 2319- 9792 (Online) | ISSN: 2278-7682 (Print) are published by Institutional faculty members under various societies. We also develop technical folders, calendars, cards, posters and short video films for extension activities.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research?

Give details of major heads of expenditure, financial allocation and actual utilization.

2 to 5% of the total budget of the institution is allotted by the Management for crop/farm trial through departmental contingency.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?- NO

3.2.3 What are the financial provisions made available to support student research projects by students?

Nil, but departments on their individual level extend help and supports in the form of chemicals, instruments, books, internet etc.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

Based upon expertise inter disciplinary research programmes are decided and research proposals are designed for submission in specific formats to respective financial agencies some of the examples are:

- a) Botany and Physics Departments have collaborated research project with C.S.I.R., National Physical Laboratory, New Delhi on: Biosequestration and bioimpregnation of heavy metals leading to nonmaterial's synthesis and decontamination of industrial effluents, sponsored by DST, New Delhi under NANOMISSION.
- b) Botany and Physics Departments have collaborated research project with ICMR- National JALMA institute for Leprosy and other Mycobacterial Diseases, Agra on "Development and formulation of novel bioactive Nanosilver phytocomposite with potential against MDR microbial pathogens and its efficacy for disease control" sponsored by DBT, New Delhi, under NANOMEDICINE.

Access to characterization facilities like - Electron microscopy, XRD, was gained, but, at the same time their mandate-research was hindered.

b) Dr.S.P.Singh under AICRPDA has following collaborations:

ICAR Institute/ AICRP/ Scheme (National /state)	Purpose (Research, education, extension, development)	Outcome
CSWCR&TT, Chhalesar	Capacity building and programme planning of future need of research in the district	Feed back from the scientists and exchange of view . Solution of problem, and Research planning
AICRP on sesame , JNKVV,. Jabalpur	Collection of genotype and strengthening process of up-scaling	Identification of promising genotype and availability of input, helped in improving productivity.
CAZRI, Jodhour	Collection of genotype and capacity building of farmers	Improving productivity of cluster bean
ATMA	To upscale the technology resource person on natural resource management.	Strengthening of ATMA programme, training of extension worker and farmers and upgrade crop contingent planning
State Agriculture Department.	To up scale the technology and capacity building of farmers	Enhancing productivity of rain fed farmers
KVKs, Bichpuri, Agra & Etah	Capacity building of farmers through training, demonstration group discussion and need based planning	Dissemination of dryland technology and Interaction among many farmers and scientists feedback and exchange of idea
CRIDA	Planning of technical as well as scientific solution of climatic aberration , advised & guidance and future Work plan	Preparation of programme for next five years

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

Equipments and research facilities need to be under Annual Maintenance Contract. Lack of funds is the reason for this drawback. Optimum use of equipments is done by analyzing the samples of other colleges too.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes,
there are few projects completed and ongoing under Instrument Development Programme of Department of Science and Technology, New Delhi with **industrial collaboration**, in which the industry has invested 10% of the total project cost.

They are as follows:

Name of Funding Agency	Title	Duration
Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi (IDP) (ID/SEN/96/07) BIOLINK OVERSEAS CO., AGRA Dr.Seema Bhadauria	Development of non-electronic soil analytical kit supplemented with soil health and fertilizer recommendation card-Phase II.	3 years 2008-2011 Completed
Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi (IDP/IND/12/2013) BIOLINK OVERSEAS CO., AGRA Dr.Seema Bhadauria	Incorporation of Additional soil micronutrients testing facility and Development of soil nutrients and leaf nitrogen deficiency software with fertilizer management	2 years 2015-2017

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The institution has following ongoing and completed projects in last five years:

A. MAJOR INTERNATIONAL COLLABORATIVE PROJECTS

Name of the Funding Agency	Title	Duration
Department of Sci. and Technology, Min. of Science and Technology, New Delhi (Indo-Italian Project) Italian PI - Prof.Bagliioni, Univ.Of Florence,Italy-(INTERNATIONAL PROJECT) (INT/ITALY/CHCRT-1/82/2008- 2010) Dr.Seema Bhadauria	Microbiological analysis of biofilms on stone artefacts and their conservation by chemically and biologically synthesized nanomaterials	3 years 2010-2012 Completed
DST and Russian Foundation of Basic Research (RFBR) (Co-PI Seema Bhadauria) Russian PI: Prof. B B Dzantiev, Bakh Institute of Biochemistry, Moscow (Russia) Project no. INT/RFBR/P-125 Dr.Seema Bhadauria	Development of nanobiosensor probe for detection of metal cations	2 years 2012-14 Completed
Department of Sci. and Technology, Min. of Science and Technology, , New Delhi (Indo-Russian Project)-RFBR AN Bakh Institute of Biochemistry (Co-PI INT/RUS / RFBR/ P-223) Dr.Seema Bhadauria	Application of aptamer functionalized gold nanoparticles in biosensors for rapid control of heavy metals in water samples	2 years 2015-2017

B. India Coordinated Research Project of ICAR, New Delhi and Min. of Agriculture, Govt. of India

i. **All India Coordinated Agronomic Research Projects on Integrated Farming Systems Research:-** Grant received- 19,30,00/-

This Research Project was sponsored and solely financed by ICAR as sub centre. This has been in existence in one form or the other since 1957 in the department of agronomy, when it was initiated as “Model Agronomic experiments centre. However, during 6th five year plan this project has been reshaped and renamed as “Cropping systems research projects” with the main objectives of evolving cropping system and to investigate the production potential of intensive crop sequences. This project has been renamed as “Farming System Research” since April, 2009.

ii. **All India Coordinated Research Project for Dryland Agriculture: -** Grant received Rs.-69, 08,000/-

As a multidisciplinary approach to tackle the problems of raising successful crops on dry lands, work was initiated with the establishment of All India Coordinated Research Projects for Dry land Agriculture at 23 centres in 1970, spreading all over the country. R.B.S. College, Agra centre was also approved by the ICAR and came into operation in Sept. 1970 as one of the sub centre with three disciplines comprising Agronomy, Soil Science and Agricultural Engineering.

iii. All India coordinated research project through ICAR (Management of salt affected soil and use of saline water in agriculture farming).
Rs.70,00,000

iv. Comprehensive Scheme for the Study of Cost of Cultivation of Principal Crops in U.P. Sponsored by Ministry of Agriculture Govt. of India, New Delhi
Rs.6.0 cr

C. National Major projects

Name of the Funding Agency	Title	Total Amount	Duration of Support
Department of Science and Technology, Min. of Science and Technology, Govt. of India, (Dr.A.K.Singh) U.G.C, New Delhi (Dr.A.K.Singh)	Fund for infrastructure in science and Technology level-I and II	Rs.48.00 lakhs Rs.13 lakhs	5 years (2009-2013) Completed
UGC Reference No. & Date : F.No.8-(313)/2011 (MRP/NRCB) (Dr.K.P.Singh)	Instrument Maintenance facility	Rs 35 Lakh	5 years (2010-2015) (Completed) 3 Feb 2011
	Morphological, Phytochemical and Antimicrobial Evaluation of <i>Tinospora cordifolia</i> (wild) Miers (Medicinal Plant).		

[a] Nanotechnology

Name of Funding Agency	Title	Amount	Duration
Department of Sci. and Technology, Min. of Science and Technology,, New Delhi(NANOMISSION) (SR/S5/NM-22/2006) Dr.Seema Bhadauria Dr.Renu Pasricha (NPL-CSIR, New Delhi)	Biosequestration and Bioimpregnation of heavy metals leading to Nanomaterials synthesis and decontamination of industrial effluent.	55 lakhs	3 years 2007-2010 Completed
Department of Biotechnology, Min. of Science and Technology, Govt. of India, New Delhi (Nanomedicine) BT/PR10880/NNT/28/141/2008 Dr.Seema Bhadauria and Dr.V.M.Katoch(JALMA-institute,Agra)	Development and Formulation of Novel Bioactive Nanosilver-Phytochemical Composite with Potential against Multidrug Resistant (MDR) Microbial Pathogens and Its efficacy for disease control	63.18 lakhs	3 years 2011-2014

[b] Biofertilizers and Environment

Name of Funding Agency	Title	Amount	Duration
Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi (SP/WS/021/2009) Dr.Seema Bhadauria	Developing weaker farmers into on-site-soil testing and vermicompost based supplemental nutrient service providers in two Districts of Uttar Pradesh	Rs.14.31 lakhs	3 years 2013-2016
Deptt. of Sci. and Tech, Min. of Science and Tech, Govt. of India, New Delhi (DST/SSTP/UP/09/35 and DST/SSTP/UP/09/35(1)) Dr.Seema Bhadauria	Demonstration cum training for availing <i>on-site-self</i> soil testing technology and fertilizer recommendation practices with low cost Vermi-nutrient supplemental packages for potato and vegetable farmers in Agra, Mainpuri and Firozabad Districts.	Rs.16.36 lakhs	3 years 2011-2013

[c] Bioenergy and Bioethanol

Name of the Funding Agency	Title	Amount	Duration
Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi (TSG) DST/TSG/AF /2007/05) Dr.Seema Bhadauria	Technology development and optimization for Bioethanol production from Potato and Petha waste.	Rs.42.5 Lakhs	2years 2008-2010 Completed

Dr. Ramvir Singh

- UGC-DAE, CSR, Indore funded “To study the valence band structure of undoped and transition metal doped SnO_2 ” (since 2015) under Department of Physics.
- DAE-BRNS, Mumbai funded “Synthesis and modification of transparent conducting oxides by swift heavy ion irradiation” (2008-2011) under Department of Physics.
- DST, New Delhi funded “SHI induced modification of thin film and nanostructure of TCO” (2010-2013) under Department of Physics.

Dr. O. P. Singh

- One research project sponsored by Department of Science & Technology, New Delhi has been successfully completed under Prof. Birbal Singh in the

Faculty of Engineering and Technology. The objective of this project was remote sensing of the low latitude ionosphere through whistler technique.

- One research project sponsored by Ministry of Earth Science (MoES), New Delhi has been completed under Dr. O.P. Singh in the Department of Physics, Faculty of Engineering & Technology. The objective of this project was to study the ULF/VLF electromagnetic emissions as precursors of earthquakes. This project was under the umbrella of National Programme on Earthquake Precursors (NPEP), in which a collaborative study of ULF/VLF precursors was carried out at national level.
- One research project sponsored by Ministry of Earth Science (MoES), New Delhi has been successfully completed recently under Dr. O.P. Singh in the Department of Physics, Faculty of Engineering & Technology. The objective of this project was to monitor the electromagnetic emissions of ULF/VLF range associated with earthquakes.
- One research project sponsored by Department of Science & Technology, New Delhi has been completed recently under Dr. O.P. Singh. The objective of this project was to study the ionosphere alterations related to earthquakes using GPS receiver.
- One research project sponsored by Department of Science & Technology, New Delhi on Study of Schumann Response Phenomenon in the Earth-Ionosphere Cavity has been completed under Dr. O.P. Singh, Department of Physics, Faculty and Engineering & Technology.

Dr. S. K. Raizada

- UGC funded Major project from 01.02.2011 to 31.07.2013 under Department of Political Science on Manav adhikar and police (Agra district)- Rs.4,20,400/

D. Minor Projects

Name of the Investigator	Title	Duration	Amount	Funding Agency
Dr. Surendra Pal Singh , Deptt. of Psychology	Management of frustration and Death Anxiety Among HIV/AIDS Cases Through Cognitive – Behavioral Model.	2	60000/-	Minor Research Project of UGC,NEW Delhi
Dr. Shyam Lal Yadav , Deptt.of Hindi.	Adhunik Hindi Sahitya Chintan Mein Kalavad	3	Rs.5,40,000 /-	Major Research Project of UGC,NEW Delhi

- UGC funded Minor project under Department of Defence and strategic studies under **Dr.Rajnish Kunwar**
- UGC funded Minor project "Efficacy Study of Biosynthesized nano copper oxide in control of Plant Pathogens on prevailing on copper resistance cabbage varieties." Under Department of Seed Technology(Botany) under **Dr.Udai Pal Singh**

Title	Name of the faculty	Agency	Grant Sanctioned
Physicochemical and Biological Studies in Yamuna River at Agra	Dr.K.P.Singh	UGC, New Delhi	2,65,000/-
"Morphological Molecular Characterization of markers/ trait associations for selection of desirable traits in different accessions of <i>Dolichos lablab</i> ."	Dr.Anil Kumar	UGC, New Delhi	2,80,000/-
Investigatory studies on Systemic Acquired Resistance against <i>Sclerotinia sclerotiorum</i> in crucifers	Dr. Devesh Kumar	UGC, New Delhi	2,80,000/-

E. PDF Projects

Deptt. Of Vigyan Aur Pradyogiki Mantrayala (NCSTC Divison-DST)	Dr. Kaushal Pratap Singh (fellowship 2014) under Dr.Seema Bhaduria
Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi	Dr. Kaushal Pratap Singh (Rajat Jayanti Vigyan Sancharak Fellowship 2010) under Dr.Seema Bhaduria
Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, SEED Division, New Delhi Women Scientist-B	Dr.Anuradha Chauhan "Precomposting of waste by microbial inoculants followed by vermicomposting through development of innovative vermicompost models for Rural and Urban women beneficiaries". Under Dr.Seema Bhaduria
Senior Research Fellow Fellowship (ICMR,New Delhi)	Manish Dubey on Development and Formulation of Novel Bioactive Nanosilver-Phytochemical Composite with Potential against Multidrug Resistant (MDR) Microbial Pathogens and Its efficacy for disease control Under Dr.Seema Bhaduria
Research Associate Fellowship (ICMR,New Delhi)	Dr.Pankaj Garg on Anticancerous potential of nanogoldpolypeptide and flavonoids complex. Under Dr.Seema Bhaduria

C.S.T., U.P., Lucknow for 3 years - Dr. Rajeev Kumar, Department of Zoology on "Assessment of water quality through some limnological observations in river Yamuna at Agra with special reference to pollution for suitability of fish productivity".

- **Dr.Poonam Shaunak, Deptt of English has received UGC-PDF under Dr.Sanjay Misra - 4,39,732/-**

The departments of the institute are involved in research activities, in order to contribute and benefit from the advances in knowledge frontiers, which will help to generate state-of-the-art technologies responding to the needs of the country.

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

Institution provides following facility for smooth conduct of research and development activities in the campus.

- Internet facility to research scholar/faculty members
- Well equipped central library
- Instrumentation labs
- Electrical back up facility
- Botanical garden
- Network Resource Centre sponsored by F.I.S.T.-D.S.T.- New Delhi.
- Advance Computing facility
- S.P.S.S. Software
- Reprographic Facility
- Animal House
- Seismological and Space Research Lab.
- Agricultural Farms and other agriculture inputs.
- Seed Production unit

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The college is providing essential support for upgrading research facilities. The college feels urgent need to develop following advanced research facilities for further strengthening R & D activities in the campus.

- To develop experiment facility for nanotechnology, environment, meteorology, agriculture and pharmacy.

- To develop an advance level facility including XRD., S.E.M., T.E.M., A.F.M. and thin film deposition and characterization.
- To develop nanotechnology lab along with characterization techniques.
- GIS facility

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments / facilities created during the last four years.

The college has received grants from several organizations for developing research facilities in the campus such as FIST grant from D.S.T., Govt. of India C.P.E. grant from U.G.C. and KVK grant from I.C.A.R.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Research Scholar are advised to visit following labs/ institutes for their research activities with due permission from their Director/Management:

- Institute of Advanced Studies, Shimla, N.P.L., Delhi, I.I.T., Delhi, JALMA Institute Agra, I.I.T., Kanpur, I.I.T., Mumbai, D.T.I., Dayal Bagh, Agra, I.A.R.I., Pusa, New Delhi. N.B.P.G.R., Pusa, New Delhi, G.B.Pant university, Pantnagar, N.D.R.I., Karnal, Revati Sharma Institute, Dehradun, Wadia institute of Geography, Dehradun, I.U.A.C., New Delhi, J.N.U. University, New Delhi.

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

Separate reading room, DEL-NET, journals, periodicals, theses and reference books

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Refer Evaluative Report of the Departments.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of:

- **Patents obtained and filed (process and product)**

- Original research contributing to product improvement
- Research studies or surveys benefiting the community or improving the services
- Research inputs contributing to new initiatives and social development

A. Patent 1:-

1. **Non-electronic and electronic soil testing kit (Ferticheck™) available at <http://www.dst.gov.in/instrumentation-development-programme>: i. [India.bigpatents.org/names/ 13780](http://India.bigpatents.org/names/13780) published in The Patent Office Journal 12/09/2008 pp 21012**

PATENT APPLICATION PUBLICATION (21) Application No.5/DEL/2007 A (19) INDIA

Date of filing of Application: 02/01/2007 (43) Publication Date: 12/09/2008

Title of the invention: "ANALYTICAL KIT"

International classification: G01N37/00

Name of Applicant: 1) DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST)

Address of Applicant: TECHNOLOGY BHAWAN, NEW MEHRAULI ROAD, NEW DELHI-110016, INDIA Delhi India

Name of Inventor: 1) BHADARIA, SEEMA 2) KUSHWAH, BRAJESH SINGH 3) RATHORE, RAM KISHORE SINGH

Abstract : The present invention relates to a novel analytical kit for testing physical and chemical characteristics of samples like organic matter, fertilizers, manure, compost, soil, wood, humus, mulch etc. The present invention further discloses a Sample Health Card for sample quality assessment and a fertilizer recommendation chart on the basis of soil Characters and important crops.

Detail of related IP: Developed Soil Analytical Kit for testing pH, Carbon, Nitrogen, Phosphorus and Potash on color chart basis by chemical reactions. Developed a computerized Soil Health Card for the farmers to define and measure the soil quality. Fertilizer recommendation chart for 32 common crops and vegetables has been developed. Standardization of the kit by testing 100 soil samples across India according to map. Estimation of Nitrogen in soil in percentage by Nitrogen Analyzer. Crop trial and dose standardization of three seasonal crops i.e. chilli, onion, and tomato has been done. A workshop has been successfully organized at Hotel Mughal Sheraton, Agra on 23rd March'07 for launching and training of the kit. We have received a tremendous response from Farmer's, CST's and NGO's. We have got encouraging feedback about the kit for incorporating few more things in

the kit to make it complete. We have received 129 feedback forms from the farmers. Developed soil analytical kit for testing micronutrients- Sulphate, Iron, Chloride, Zinc, and Copper on color chart basis by chemical reactions. It has Soil Testing Card, (b) Chlorophyll chart, (c) Nitrogen & Chlorophyll Recommendation Chart .Standardization of the kit testing 100 soil samples across India according to map .Crop trial and dose standardization of four seasonal crops, i.e. Mustard, paddy, wheat and potato. **Developed input skeleton for software development for fertilizer (N, P, K) recommendation for Wheat, Mustard, Potato, Rice and Maize.**

PATENT-2

2. Title of the invention: BIOPROCESS FOR CLEANING OF ORGANIC POLLUTION AND OTHER BIOLOGICAL ALTERATIONS ON STONE SURFACES.

PATENT APPLICATION PUBLICATION: Application No.96/DEL/2010 A INDIA

Date of filing of Application : 18/01/2010 (43) Publication Date : 22/07/2011 in The Patent Office Journal 22/07/2011 pp12218

International classification: C07D

Name of Applicant: 1) DEPARTMENT OF BIOTECHNOLOGY (DBT): BLOCK-2, 7TH FLOOR, CGO COMPLEX, LODHI ROAD, NEW DELHI- 110 003 India

R.B.S. COLLEGE

Name of Inventor: 1) SEEMA BHADAURIA 2) ALKA JAIN

Abstract:

This invention relates to a bioprocess for cleaning of organic pollution and other biological alterations on stone surfaces comprising, taking low impact invasive micro samples approximately 4 mm, in which a part of the underlying substratum is included with the biofilm, fixing tape on to a sterile glass slide and storing in dark at 4°C, fixing samples in 2.5 % glutaraldehyde in phosphate buffer, pH 7.2 and storing samples at 4°C, mounting separately the small chips of weathered stone and black crust onto aluminum stubs, gold coated to study the lateration on stone surfaces later bioremediation these alteration, by entrapping bioremediating biomass in the carbogel and multani soil poultice.

PATENT - 3

Nanoparticle biosynthesis (Silver, Copper, Gold and lead) by bioremediating microbes-Applied to TIFAC through DST project.

PATENT - 4

Bioethanol production from petha wastes- Applied to TIFAC through DST project.

B-Original research contributing to product improvement-

- i) Precomposting of waste by microbial inoculants followed by vermicomposting through development of innovative vermicompost models for Rural and Urban

women beneficiaries and or DST-WOS-B Project, Mobile vermicompost and vermiwash units has developed by Dr. Anuradha Chauhan (Botany Deptt.)
SSD/SS/001/2012/G

Development of user-friendly vermicompost bin suitable for rural and urban people for production of vermicompost and vermiwash using agriculture waste.

Demonstration and training rural (25) and urban (10), 35 beneficiaries using women friendly vermi bins for production of vermicompost and vermiwash using agriculture and kitchen wastes.



Vermiculture system 1 (Mobile) for rural areas

(a) Features and benefits:

We used plastic drum of capacity 200 ltr. was able to produce approx 70-80 kg. of vermicompost at a time. We fabricated it in a way that these became mobile and user friendly in use

1 (b) Specifications

Size Dimensions : diameter 22" height 36"

Capacity : 6+ cubic ft - ideal
(functional usage: 10 kg. of Scraps per day)

Composition : walls made from UV protected 100% Recycled plastic.

Usage : To recycle agri wastes into useful end products – compost tea and worm casting.

Process of vermicomposting in this design

Use of design prototype 1st this drum having a big lid through which the waste transferred in the drum to make layer of waste. The structure of vermi-compost bed had the following layers:

Layer I (Bottom layer): pebbles and stones (2-3")

Layer II: coarse sands (2-3" thickness) for proper drainage

Layer III: Moist layer of loam soil of about 2-3" thicknesses.

Layer IV: Fresh or dry cattle dung spread over the moist soil layer. Fresh progressive additions were made with the increase in composting period. Moisture level maintained at 50%.

Upper layer of the drum: Inoculated standard earthworms on the surface of cattle dung.

Vermiculture System 2 (Mobile) for urban areas

Vermicomposting is an incredibly efficient way to convert agri scraps into nutrient-rich compost for the garden. But sorting out the undigested scraps can be messy and inconvenient. The Vermiculture system II automatically separates food scraps from finished compost. The bottom tray is with red wriggler composting worms, bedding and food scraps. As these top feeding worms finished digesting, they naturally seek for more food and migrate upward into the tray above, which has newly added goodies, leaving rich castings behind. Designed for the urban women.

- It is mobile unit which is placed in the outdoor, garden, basement and roof in the places wherever required.
- Having a lid to avoid rodent, flies, ants and odor.
- Attached vermiwash unit with tap for collecting vermiwash

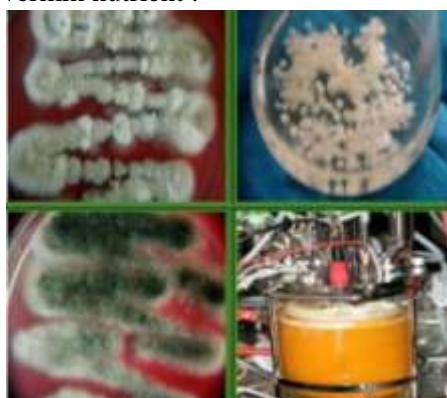
PRODUCTS DEVELOPED, COMMERCIALIZED, PATENTED



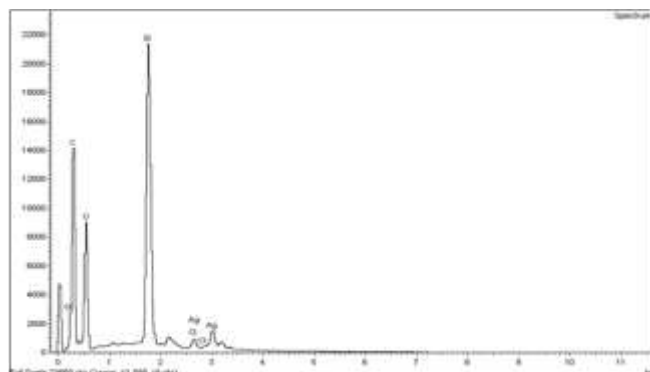
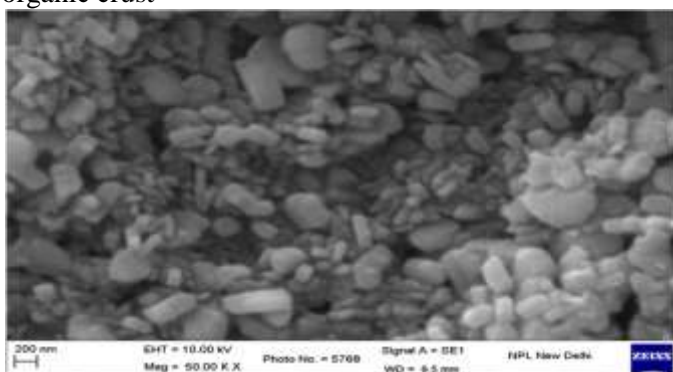
1. FERTICHECK™ Non electronic soil testing kit(Macro Nutrients) 2. FERTICHECK™ soil testing kit (Micro Nutrients)



3.&4 FERTICHECK™ semi and electronic FESTIK soil testing mini lab(12 parameters) 5.Oz micronutrient vermin nutrient .



6. Microbes for pollution remediation 7 .Bioethanol from potato and petha waste 8 Bioremediation of organic crust



9.Nanomaterials

ii) **All India coordinated project through ICAR (Management of salt affected soil and use of saline water in agriculture farming) –**

Low cost technology for dilution of ground water through artificial recharge: Agra-Bharatpur region in the states of UP and Rajasthan are endowed with poor quality groundwater aquifers. Shallow aquifers are relatively more saline (10-15dS\m) relative to deeper aquifers (2-6dS\m). The resource poor farmers of the region who cannot afford to drill deep bores are contented with exploiting the saline aquifers to give on 1-2 life saving irrigation (s) to mustard. Thus, under such a situation, yield is reduced due to high salinity. Diluting saline ground water through artificial recharge has been designed and tested on 12 farmer's fields. The technology consisted of diverting the run off to these structures for recharge. The diluted ground water is then pumped to irrigated mustard\wheat. The salinity of the ground water is reduced in most cases to less than 4 dS\m but eventually reaches to its original value during 3rd or 4th irrigation. The irrigation with low quality water at initial growth stage boosts the yield to normal level in the case of mustard and wheat.



iii) **KVK Awagarh : refining of CIAE Manual groundnut decorticator**

CIAE Manual groundnut decorticator had been refined at KVK Awagarh Etah. Manual groundnut decorticator was modified with inclined concave opening instead of horizontal concave opening and easy concave clearance adjustment arrangement by single nut-bolt instead of six nut bolts concave clearance adjustment arrangement. In inclined concave opening grain damage was 2% however in horizontal opening it was 7% and in farmers practice (pressing of pod by hand) it was 0.5%. Decortivating capacity was increase was increased up to 567% over farmers practice in both type of Manual groundnut decorticator. **One manufacturer M/s Gandhi Workshop at Awagarh, Etah has started manufacturing of Refined manual groundnut decorticator.**

C- Research studies or surveys benefiting the community or improving the Services

- i) **All India Coordinated Project for Research on Management of Salt Affected Soils and Use of Saline Water in Agriculture:** *Survey and characterization of underground irrigation water:* From 2012, the ground water survey of Agra district

in Uttar Pradesh was initiated. Till now Thirteen blocks viz Fatehpur Sikri, Akola, Achhnera, Bichpuri, Jagner, Sainya, Kheragarh, Barauli Ahir, Khandauli, Shamsabad, Bah, Pinahat and Fatehabad were surveyed and total 777 samples were collected mostly from December to March, when the maximum number of tube wells were under use for irrigation purpose and analyzed for different water constituents for their quality. The water samples were analyzed for pH, EC, cations (Ca, Mg, Na and K) and anions (CO_3 , HCO_3 , Cl and SO_4). Quality parameters like SAR and RSC were calculated. Comparing the water quality of latest collected samples with 35 years ago collected samples of Agra district, it can be explained that the good quality water in the surveyed blocks have been reduced sharply except Jagner, Sainya, Barauli Ahir, Khandauli, Pinahat and Fatehabad blocks. The major number of samples falls in high SAR saline water quality in both the surveyed periods except the Jagner, Sainya, Barauli Ahir and Kheragarh blocks, this High SAR Saline water quality has been increased in seven blocks. The water quality of three blocks i.e. Jagner, Sainya and Kheragarh mostly remained unchanged even after three decades of time interval.

Characterization of ground water at Agra canal: Groundwater samples were collected nearly from five different sites of Agra canal i.e. Okhala (Submersible), Palwal (tube well), Kosi (submersible), Goverdhan (tube well) and Bichpuri (tube well). These water samples were analyzed and compared with the drinking water standards as laid down by WHO (1993), IS(1991) and CPCB (1974). Study revealed that several water samples have higher salinity. Among different cations, calcium, magnesium and sodium showed lower range, while anions like carbonate, chloride and sulphate showed higher concentration.

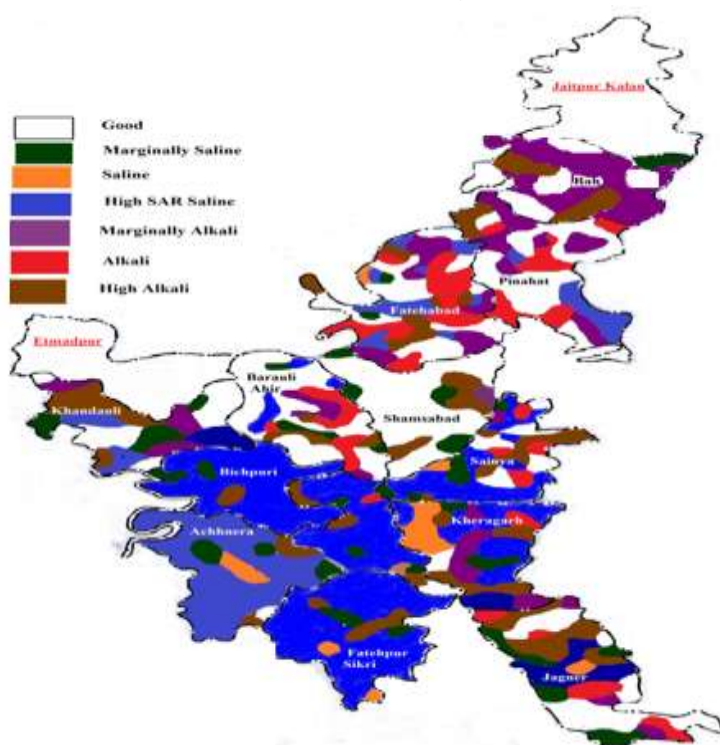


Fig. 3.1: Water quality map of different blocks of Agra district

- ii) **All India Coordinated Research Project for Dryland Agriculture:** is spread in eight agro-climatic regions across the country with the assistance from the Canadian International Development Agency (CIDA) of the Government of Canada. The unique feature of this project is its reliance on multidisciplinary research approach in identifying constraints and providing viable solution to location specific problems in all the agro-ecological situations of rainfed agriculture. Pooling of expertise and leveraging the strength of AICRPDA network eventually resulted in the establishment of Central Research Institute for Dry land Agriculture (CRIDA) at Hyderabad on April, 12, 1985 to provide leadership in basic and strategic research in dry land agriculture. Its focus is-
1. To optimize the use of natural resources, i.e. rainfall, land and water, and minimize soil and water loss and degradation of environment
 2. To evolve simple technologies through inter disciplinary research to substantially increase crop productivity and viability under dry land farming condition
 3. To increase stability of crop production over years by providing improvements in natural resources management, crop management systems and alternate crop production technologies matching weather aberrations.
 4. To develop alternate and sustainable land use systems, and
 5. To evaluate and study transferability of improved dry land technologies to farmers' fields.

The centre represents south-western part of U.P. i.e. Agra, Aligarh, Mathura, Manipuri, Firozabad, Etah and Mahamaya Nagar. Scientists working in the project have developed excellent research information leading to perfection of technologies which found place in package of practices of crop production in rainfed area of Agra region.

TECHNOLOGIES DEVELOPED :

- ☐ Ridge planting of pearl millet for higher productivity in Agra region of Uttar Pradesh And Deep tillage and compartmental bunding for enhanced Pearl millet productivity in Agra region of Uttar Pradesh
- ☐ Higher Mustard productivity in rainfed region of Agra through supplemental irrigation with harvested rainwater
- ☐ Summer tillage for in situ moisture conservation and enhancing productivity in south-Western Zone of Uttar Pradesh
- ☐ Tillage with Disc harrow after each effective rainfall for enhancing Mustard productivity in south –western Uttar Pradesh
- ☐ Summer tillage for in situ moisture conservation and enhancing productivity in south-Western Zone of Uttar Pradesh
- ☐ Sulphur application for higher productivity of Mustard in South-western Zone of Uttar Pradesh
- ☐ Summer tillage for in-situ moisture conservation and enhancing productivity in South-western Zone of Uttar Pradesh
- ☐ Tractor mounted Rotavator – An efficient implement for timely seed bed preparation in rainy season

iii) **All India Coordinated Project on Integrated Farming Systems Research (ICAR)**

Under the Indo-American Technical Co-operation Agreement with the I.C.A.R., New Delhi based on the reports of Dr. A.B. Stewart of Macaulay Institute for Soil Research, Aberdeen (U.K.); Simple Fertilizer Trials (Experiments) were started in 1953 on cultivators' field to test the most promising results of the past work on fertilizer-use. Bichpuri (Agra) was one of the premier centres for such trials.

Experiment No.1 Cropping systems – Diversification and Intensification for the Agro-climatic conditions of Agra region of Western U.P. (AESR – 4.1)

Objectives: To identify the appropriate cropping system(s) with high productivity through intensification and diversification of crops.

Experiment No.2 (a): Permanent plot experiment of integrated nutrient supply system (INSS) in cereal based crop sequence (Pearlmillet-wheat).

Objectives: To develop suitable integrated nutrient supply and management system and to study the long term effect of fertilizers in combination with organic manures on the productivity of cereal based crop sequence and also on soil health for sustained production.

Expt. No. New On O.F. (Organic Farming): Development of Organic Farming (O.F.) package for system based high value crops (Clusterbean (pods) - Potato – Onion) in cropping system for Agra Region, AESR – 4.1

Objectives:

1. Manure production using farm waste material and its application for experimental crops.
2. Critical evaluation of organic farming vis-à-vis farming with integrated nutrient and pest management system in terms of yield, its quality, soil health and economic advantages.
3. Pest and weed management through use of plant based preparation like; *Neem* Cake and other biological means.

Experiment No. Core (Sustainable Production Model/System): Sustainable Production Model (System) in 'Pearlmillet- Wheat' cropping system.

Objectives: To develop Sustainable Production Model (System) with the efficient use of agro-inputs and sustaining all resources for sustained production.

D-Research inputs contributing to new initiatives and social development-

Contribution to Science , Policy and society under All India Coordinated Research Project for Dryland Agriculture AICRPD:

Item	Description	Utilization
Rain water management	Potentiality of run-off rain water harvested in farm pond/community tank	In breaking of monsoon i.e. mid season drought, early withdrawal of monsoon, moisture stress conditions developed in rain-fed areas, crop could be saved successfully by harvesting of rain water in tank and efficient utilization
	Ridge planting of pearl millet/kharif crops : A potential drought proofing technique.	Planting of kharif crops on ridge by ridger seeder/raised bed planter not only produce higher yield of pearl millet but also effective technique to mitigate moisture stress as well as late onset of monsoon conditions
Cropping system management	Possibility of double cropping alongwith saving of chemical fertilizer	Green gram grown for grain only up to first picking of pods.
	Adoption of <i>Sesbania</i> as green manure I mustard based cropping system	Dry sowing of sesbania seed in well advanced prepared field mixed properly before onset of monsoon save 15 days for decomposition of organic matter along with more moisture could be conserved efficiently
Integrated nutrient management	Minimization of dependency on chemical fertilizer	FYM to the equivalent of 50% N of RDF may be included in fertilizer schedule in place of full dose of N through chemical fertilizer
	Balanced use of nutrient for sustain yield in dryland areas	On the basis of soil test, used of 50% more NPK to pearl millet produced 35% higher yield instead of 60 kg N+ 40 kg P ₂ O ₅ fertilizer application
	Sulphur application for higher productivity of mustard in Agra region	Sulphur fertilization @30kg/ha through gypsum at sowing along with RDF (60+40kg/ha NP)increased 22-27 %seed yield of mustard. Effective tillage &sowing implements
	Potassium application for higher yield of mustard in south	Addition of K kg/ha) along with RDF (60+40kg NP/ ha) not only enhancing yield of mustard in per unit area ,but also avoided

	western semi	moisture stress and better utilization of natural resources
Energy management	Effective tillage & sowing implements for conserving moisture and higher yield	Summer tillage by MB plough /disc plough & sowing done by ridger seeder/raised bed planter appear to be most effective practice in rain fed areas, realized 32% more yield of PM, even abnormal rainfall years.
Alternate land use system	Ber /Aonla based Agri-horticulture system	In Agri-horticulture system, Ber /Aonla + pulses in kharif or mustard in rabi proved to be most remunerative system. Farmers can get assured income even in severe drought conditions
Technology dissemination	Scientist-farmers meeting on improved technology, their adoption and feedback from them on weakness of technology	Demonstration, field days farmers fair may be effective tools for dissemination of technology generated at centre. Location specific problem may be short out.
Policy issues (Local/state centre)	To slow down or control depletion of ground water level, priority should be on to make water conservation structure on community levels.	Policy maker strictly instruct to local bodies, each and every run-off water events must harvest through conservation structure on every unit areas of farming

Impact of ridge technology: Bajra is grown on 1.07 lakh ha. with an average yield of 1407 kg/ha. It is expected that it may be increased up-to 2016 kg/ha by the adoption of Ridge technology. Ridge planting system provide enough aeration and porosity to soil for enhanced root growth and safe disposal of excess rain water and reduced soil and water losses.

REST are mentioned in Criterion VII under best practices

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, Institute publishes following two Journals :

(A) Journal of Scientific and Agriculture Research

Editorial Board

1. Dr. Ramvir Singh Chauhan - Chief Editor
2. Dr. Seema Bhadauria – Editor, Science Faculty
3. Dr. B. P. Singh – Editor, Agriculture Faculty
4. Dr. A. K. Singh, Member
5. Dr. S. P. Madnawat, Member
6. Dr. J. K. Chauhan, Member
7. Dr. K. P. Singh, Member
8. Dr. U. N. Singh, Member
9. Dr. A. P. Singh, Member
10. Dr. P. P. Singh, Member
11. Dr. Pradeep Kumar Singh, Member

(B) An International biannual Research Journal of Business Management
ISSN No.2319-4790

Editorial Board**Patrons:**

Raja Anirudh Pal Singh (Chairman)

Dr. Roshan Singh (Ex- Director, CDC, Agra University, Agra)

Dr. S.C. Mudgal Ex. Vice Chancellor, G.B. Pant University of
Agricultural & Technology, Nainital (U.K.)

Editor-in Chief: Dr. B. B. S. Parihar

Associate Editor: Prof. (Dr.) K.K.Sharma

Editorial Team: Dr. D. S.Yadav Dr. C.P. Gupta, Ms. Shanul Jain

There are 5 journals being published by faculty members with NAAS rating and ISSN number.

3.4.3 Give details of publications by the faculty and students:

- **Publication per faculty:** There are approximately 300 papers published in last 4 years.
- **Number of papers published by faculty and students in peer reviewed journals (national / international):** 200 Papers
- **Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 175 Papers
- **Monographs:** 80 Technical Folders
- **Chapter in Books:** 55 Chapters
- **Books Edited:** 20 Books

- **Books with ISBN/ISSN numbers with details of publishers:** 45 Books
- **Citation Index** : Not calculated
- **SNIP** : Not calculated
- **SJR** : Not calculated
- **Impact factor** : Not calculated
- **h-index** : Not calculated

3.4.4 Provide details of Awards received by Faculty and students in the field of research.

A.National Awards received by faculty:

1. Dr.Seema Bhaduria: National Award for Women Development through

Application of Science and Technology **conferred by Ministry of Science and Technology(Department of Science and Technology),New Delhi

****<http://dst.gov.in/science/national-sci-day11.htm>**

On the occasion of the National Science Day Shri Pawan Kumar Bansal, Hon'ble Minister for Science & Technology and Earth Sciences and Parliamentary Affairs , Shri Ashwani Kumar, Hon'ble Minister of State for Science & Technology, Earth Sciences, Planning & Parliamentary Affairs, Dr. T. Ramasami, Secretary, DST conferred **the National Award for Women Development through Application of Science and Technology** .This Award consisted of one citation,One lakh cash award and one memento.

2. Dr. Jitendra Kumar Chauhan: Dr. Rajendra Prasad Puruskar - ICAR, New Delhi-12

SEE Fellow Award by National Society of Extension Education

3. Dr.Ranvijay Singh: a. **Awarded Best performer** of the Year under DASP project in Sitapur Distt.

b. Received Chal Vajyanti Cup by the Governer of U.P.in Flower and vegetable show in 2013.

4. Dr. Basant Bahadur Singh

- **National-** National awarded for Best Research paper, Bhopal (M.P.) 2011.
- **National-**National awarded for Innovative Researcher of the year 2012.
- **International**–Dr.H. K. Kapil Memorial Award of Best Educational Researcher-November 2016

5.Dr. Manoj Pandey

- Young scientist Award
- Outstanding participant in refresher course by ICAR

6. Dr. Uma

- Bronze medal for Best performance of B.Sc. (Ag.).
- Young Scientist Award:-
 - Indian Society of Genetics, Biotechnology Research and Development Agra. Indian Feb. 27-29, 2016.

7. Dr. Jyotasana Sharma

- “काव्य कलाधर”

B. Award received by Research projects/centres:

- (1) **“Most responsive centre”** award received for timely submission of scientific, technical and administrative information to the Project Coordinator Unit at CRIDA, Hyderabad from Director, CRIDA.
- (2) **“Chaudhari Devi Lal outstanding”** All India coordinated Research project award for outstanding contribution in field of Dryland agriculture.
- (3.) **Excellent performance grading** of project by PAC DST-SEED division in Botany.

C. Student Awards:**i. Zoology**

- | | |
|-------------------------|------------------------------|
| 1. Gajendra Singh Tomar | - Young Scientist Award |
| 2. Rakhi | - Young Scientist Award |
| 3. Gaurav Verma | - M. Sc. 2012 Gold Medal |
| 4. Jay Dev Ojha | - 2010-2012 (B.Sc.) |
| 5. Neha Upadhyay | -2014 (M.Sc. Spl. Fisheries) |

ii. Political Science

Ms. Neeraj (M. A.) – Gold Medal – 2014

iii. Sanskrit

Ms. Archana Rathore – Gold Medal – Post Graduate – 2014

iv. Statistics

1. Beenu Sharma – Bhagwati Devi Award (Gold Medal), Dr. B. R. Ambedkar University, Agra – 2014
2. Jaspreet Kaur – Bhagwati Devi Award (Gold Medal), Dr. B. R. Ambedkar University, Agra – 2015

v. Botany

1	Best Oral paper presentation Award Nitin Wahi)	2015	National Seminar on "Ethnobotany: Concept And Prospective"
---	--	------	--

2	Best Oral paper presentation and paper award to co-author (Nitin Wahi)	2016	2nd International Conference On NEW CHALLENGES IN BIOTECHNOLOGY AND MOLECULAR BIOLOGY IN THE CONTEXT OF 21 CENTURY organized by Indian Society of Genetics, Biotechnology Research & Development, Agra in association with St. John's College, Agra.
---	--	------	--

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Generally, the DST, DBT and CSIR organise Institute-Industry interface meeting at technology business hubs/parks/centers/incubator. Scientists meet the industries and understand their problems. They try to develop/modify/innovate by collaboration. They submit proposal to the financial agencies and present the problem together. Industry invests some percentage and the Institution/Scientist gets the fund to work on the problem in fixed time

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized

Normally consultancy is non remunerative. It is more like a social service. In some cases, Scientists are paid by the industries as honorarium, on which the Scientists pay the income tax. It is similar as honorarium received by paper setters or answer sheet evaluators.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

Institution encourages staff to develop their expertise in their fields and achieve fame by giving services to the society.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

Agriculture, Plant identification, waste management, Non conventional energy resources, biotechnology, seed technology, social matters

Externally funded /consultancy project, resource generation and other details :

- All India Co-ordinated Research Project For Sesame & Niger JNKVV Jabalpur (M.P.) Grant received Rs. - 80000/-
- All India Co-ordinated Research Project on Arid legumes , C.A.Z.R.I., Jodhpur Grant received Rs.-40000 /-
- National Project funded by ICAR ,New Delhi - " National Innovations on climate Resilience Agriculture (NICRA)"running With AICRPDA centre Agra from February ,2011 up till date Grant received Rs. -7,50,000/- P.A.

- Dr. Seema Bhaduria provides consultancy of NGO's and industries, nagar nigam and farmers on microbes testing, pathogen identification, soil testing, waste management and organic farming. She has earned some income from industries.
- Dr. Seema Bhaduria has been Mentor of Rajat Jayanti vigyan sanchar fellow sponsored by DST with an honorarium of Rs. 20,000/-
- Dr. Seema Bhaduria has given consultancy to M/s Jai shree Rasayan Ltd. New Delhi, on payment basis worth Rs. 60,000/-
- Dr. A.K. Singh provides consultancy to forest, horticulture and silviculture departments of Government on identification of plants free of cost.
- 5 .Sh. P.S. Tiwari, Assoc. Prof., Subject Expert Consultant, Major Project on Hindi for Encyclopedia (Geography) in CHI, New Delhi
- Dr. Anupama Singh: Subject expert consultant in Geography Dictionary session under commission for Scientific & Technical Technology (Ministry of Human Resource Development) of Higher Education.
- Dr. Rajnish Kunwar as consultant in Parivaar Paramarsh Kendra.
- Dr.Ranvijay Singh on deputation worked as Secretary of ATMA project, Sitapur and District Project Coordinator of DASP, Sitapur
- Engineering faculty members also provide consultancy in various fields .
- Some faculty members are in advisory boards of other organisations,

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development? -

Not planned.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

Refer 3.1.6 and 7.2.1 (Social Responsibilities), evaluative reports of the departments and **7.3**

3.6.1 How does the institution promote institution-neighborhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The College has NSS, Rovers & Rangers, NCC and clubs/societies for promoting institution-neighbourhood-community-network

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The officers of NSS allot social work to them and monitor their progress. They are facilitated by awards/prizes and seek placements too. Officers submit their progress in the form of Annual report and publish some part in College Magazine "Jigyasa".

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

They look for skill, employability and industry readiness of the students. List of candidates selected through placements is too long.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The plan of extension & outreach is explained in 3.1.10

Extension and outreach by NCC, NSS & rovers & rangers is also explained in criterion V (5.3.1)

Institution also organizes conferences/ Seminars for extension and outreach of research of other institution for our students. (*List is given in 3.2.1.*)

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

Refer criterion V(5.3.1)

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

Dr. S. K. Raizada has completed a project on rehabilitation and problems of justice deprived and harassed women.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they

complement students' academic learning experience and specify the values and skills inculcated.

The college is pioneer in extension activities and student development.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The Institution always takes initiative to educate community people in various domain of life such as health, hygiene, civic sense, healthy living, natural resource management, etc. In this respect community people take keen interest in adopting these reforms. We have selected a control group of volunteer who are relatively educated. We train them and further this control group takes responsibility to educate entire community in that particular area. In the next visit of the institution in that community, a remarkable change was noticed which ensure the involvement of the community in its reach out activities.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

Our institution works in close association with the surrounding institution such as Dr. B.R. Ambedkar University, Agra, D.E.I., Agra and other affiliating colleges of this University, Through NSS and NCC in certain areas.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

Following awards have been received by the college for extension activities:

1. AICRP on saline soil -Received First prize in Farmers fare, Deen Dayal Dham Smarak Samity by Dr. Ram Shankar Katheria, State Minister of HRD, New Delhi.

2.Dr.Jitendra Chauhan:

SEE Fellow Awards	Society of Extension Education, Agra	2011
-------------------	--------------------------------------	------

3. Dr. Kaushal Pratap Singh received meritorious National **Rajat Jayanti Vigyan Sancharak Fellowship NCSTS-DST** under Dr.Seema Bhadauria on training and demonstration of soil testing and website development on disease identification in important crops.

4. Dr.Rajvir Singh Received the prestigious “**Best Citizens of India Award**” in 2012 by International publishing house, New Delhi (India).

3.7 Collaboration

We have Collaborations / linkages with following:

- a) Inter University Accelerator Centre, New Delhi.
- b) UGC-DAECRSR, Indore,
- c) Hindustan College of Science & Technology Farah, Mathura.
- d) National Physical Laboratory, New Delhi.
- e) National JALMA institute of Leprosy and Mycobacterial diseases,Agra.
- f) M/s Bio link Overseas Co, Agar.
- g) IIT- Mumbai.
- h) Central Goat research Instt.,Farah
- i) Soil and water conservation research Instt.,Chalesar
- j) M/s Robonics Pvt. Ltd.
- k) CSIR- CMERCI, Ludhiana.
- l) INDIAN FARMER’S FERTILIZER CORPORATION
- m) KRISHAK BHARTI COOPERATIVE LTD

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc

Individual collaborations in research are achieved by the faculty members

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

We have sanction letters of the projects showing collaboration /linkages with NPL, New Delhi ; National JALMA institute of Leprosy and Mycobacterial diseases, Agra; DAE-IUAC,Indore etc.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz.

- a. New technologies have been developed -
1. Soil testing kits
 2. Mobile Vermicompost units
 3. Oz bioformulation
 4. Monument and building cleaning formulation With Nano Silicon dioxide- with Aquatec Ltd., Japan
 5. Bioethanol production from petha & potato wastes
- b. Placements- Many students have been placed in various companies. Some of them are listed in **criterion V(5.2.3)**

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Refer 3.1.6

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

- a. We don't have any formal MoA/MoU, but faculty/students go for training programs.
- b. It is applicable for our professional courses- BBA, BCA, Agriculture, B.Tech, M.Tech, MBA, MCA, M.Sc. Seed Technology, M.Sc. Biotechnology and M.Sc Genetics & Plants Breeding. There are many organizations where the students are sent.
- c. Yes, Under UGC and DST Schemes, some faculty members have joined the institution for professional development, but nil in last 4 years.
- d. Research:- No, but, We have sanction letters for showing collaborations with 5 Institutions/ laboratories :-
- Bio link Overseas Co.,Agra
 - NPL, New Delhi; IUAC, New Delhi
 - Hindustan College of Science & Technology, Farah, Mathura
 - JALMA- Institute of Leprosy and other Mycobacterial diseases, Agra
 - DAE-UGC-CSR, Indore;

Linkages:-

KVK Bichpuri and other departments have good linkages with Local Institution, UP state Department of Agriculture, Animal Husbandry, Horticulture, Plant Protection ,Soil Conservation, Agra ATMA\RKVY, Agra, NHM, UP Seed Development Corporation, Agra, RUDEST Institute, Agra, Archaeological survey of India, Agra, All India Radio, Agra etc. in Different

extension activities, National Institutes And Agricultural Universities-IARI, New Delhi, ZPD,ATARI Kanpur, NRCRM\DRMR, Bharatpur CIRG, Makhdoom, Mathura, CSA University of Agriculture and Tech. Kanpur, ND University of Agri.Tech. Faizabad, IIT, Kanpur, University, Mathura, IIVR, Varanasi, CSWCR and Training Centre, Agra, Rajasthan State Deptt. Of Agri. Dholpur, Dausa, Kota,MP State Deptt.of Agri -Ashok Nagar, Shivpuri etc.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The proposal for linkage/ collaboration is put before the Principal by the scientist and it is further referred to IQAC. The IQAC finds out the relevance and benefits and accepts or rejects the proposal.

Our MoA with IIT- Mumbai and CSIR-CMERI Ludhiana is in pipeline.

Criterion IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

- The development plans and requirements are invited from the all the department by the Principal and sent to the management board. The fund is allocated for the creation & enhancement of infrastructure by the board as per priority and opinions. For example:- Parking, Common Room, Renovation etc.
- College UGC Committee submits five year college development plan to UGC to seek funds for creation and enhancement of infrastructure. This is utilized after due permission of managerial board. For example:- Girl's Hostel, Science lab, Education lab, Physics Lab etc.
- College faculty applies under various schemes to MHRD, ICAR, DST and DBT for funds, for example Seed Production Unit & residences of KVK staff funded by ICAR, Seismological Lab is funded by DST, Botany department is FIST- DST Sponsored.

4.1.2 Detail the facilities available for a) Curricular and co-curricular activities – classrooms; technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Curricular and co-curricular activities:-

Most of the College departments are heritage building constructed in 1940 & are very well equipped with classrooms, seminar rooms, laboratories and departmental libraries to facilitate effective teaching, learning and Research.

a) Classroom :-

Course	Class room	Seminar Hall	Deptt. Library	Museum	Labs	Botanical Garden/ Seed Farm	Specialized facilities & equipment
Science	7	1	6	2	14	1	Equipments, LCD Projector, Computers
Arts	7	1	--	--	--	--	LCD Projector, Computers
Commerce	7	1	1	--	--	--	Computers
Education	9	1	1	--	7	--	LCD ,OHP Computers, Television
Agriculture	10	2	1	01	6	1	PHC/Poultry/ Vetenary hospital/ LCD Projector, Computers
Miscellaneous (KVK & AICRP)	--	3	1	--	15	1	Goat Rearing/ nursery raising/ vermicomposting/ Demonstration Farm.

The College has well equipped classrooms for effective Teaching. Most of the Science Departments are very well equipped with modern equipments for the study of nonmaterial, polymers, thin film deposition plant extracts, heavy metals, soil & water analysis etc. The Departmental libraries, Jawahar Library, FET Library, FMCA Library, B.Ed. Library and a Central Library to cater the Required needs of the students, Research Scholars and the Teaching Staff. Each science Department has the facilities of LCD Projector, computer and internet connection for the benefit of the students. Career Guidance and placement cell plays an important role to motivate and guide the students to get employment. There is a Grievance Redressal Cell to address the various problems of the student related to the Teaching, Learning and others. There is Student Welfare Hall, auditorium for small scale national & International seminar, conferences, workshops and meetings. The college has labeled botanical garden with a good collection of the plants. Botany Department has herbarium of 500 plants indentified by BSI, as flora of Agra, for ready reference of taxonomists. The Department of Zoology has an animal museum with rare preserved animals like- Rare specimen of skeleton of elephant is available. College has a Seismological lab sponsored by DST that reveal earthquake.

College has labs & experimental fields for All India Coordinated projects, agriculture departments, KVKs, Animal house in Pharmacy Campus, Seed testing and production unit at KVK, Vermicomposting/ composting unit at Botanical Garden and KVK Awagarh. Mushroom Cultivation Unit at Botanical Garden. Goat rearing Unit at KVK, Awagarh. KVK Seed Sale Counter, Farmer's Counselling and meeting halls at both KVKs with demonstration plot for various crops.

b) Extra-curricular activities– sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, yoga, health and hygiene etc.

The College has sports committee including Dr. Anupam Goel, Principal (Chairman), Dr. D. K. Singh (Secretary), Dr. M. K. Shastri, Dr. U. N. Singh, Dr. Anupama Singh, Dr. Pushpendra Singh, Dr. Prem Shanker Tiwari, (07) members from various fields. The Principal is the Executive Head of the unit and the Chairman plays the supervisory role in the functioning of the Sports committee. The main purpose of the committee is to initiate, coordinate, execute and manage various kinds of sports activities including Annual Athletic Meet and other such programmes to promote general interest in games and sports so that students participate in them in the spirit of true sportsmanship for the honor of the College and the greater glory of sports. The committee also aims at improving the standard of various facilities and the grounds including basket ball, football, cricket, athletic tracks and hockey field. It is also very well equipped for several indoor games like chess, table tennis etc. for

physical development, participate in various types of outdoor sports and games. The college has a Badminton Hall for students as well as faculty members. We have sizable number of NCC Cadets, NSS Volunteers and Rover & rangers volunteers. College is centre of two open universities IGNOU, New Delhi & UPRTOU, Allahabad.

The NSS unit of the college is very active and conducts various programmes for the benefit of students and society. Dr. Ramvir Singh Chauhan is Coordinator of NSS of affiliating university, Dr. B.R. Ambedkar University, Agra. The college has organized the Yoga training programme on the occasion of Yoga International Day under the leadership of NSS unit. The NCC and the NSS organized various camps on the human health related problems and has trained children of villages in health and hygiene. Besides KVK also provides skill training of farmers & women on stitching, gardening, nutrition and agriculture.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Refer 4.1.1 and for master plan see Annexure 4.1

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The institution has ramps, Braille(in library),Wheel chair and writer facility.

4.1.5 Give details on the residential facility and various provisions available within them:-

- **Hostel Facility – Accommodation available:-** there are six hostel in number of block for boys & two for the girls in college. One woman & one farmers hostel at KVK Awagarh.
- **Recreational facilities, yoga center, etc.:-** The hostel common room is equipped with television and indoor games like Chess, Table-Tennis, Badminton, Carom in hostel in Bichpuri Campus (Engineering) & Girls Hostel (Engineering).
- **Computer facility including access to internet in hostel:-** Yes, Only in Engineering & Management Students hostel.
- **Facilities for medical emergencies:-** First-aid facilities are available in the hostel and doctors are called on request.

- **Library facility in the hostels:-** The Central Library of the college is in a close proximity of the hostel. Daily newspaper is available at engineering hostel.
- **Internet and Wi-Fi facility:** - Each hostel has internet facilities.
- **Recreational facility-common room with audio-visual equipments:-**Yes, Only in Girl's hostel and Engineering & Management Students hostel.
- **Available residential facility for the staff and occupancy constant supply of safe drinking water:-** Yes
- **Security:-**Private security is available in all the campus.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus:-

There is one doctor on part time basis in the campus along with one compounder with BP instrument, first-aid, Stethoscope, medicines, stretcher, sterilization box etc.

4.1.7 Give details of the Common Facilities available on the campus—spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

IQAC Cell of the college is active and the office of IQAC is located in college campus. Grievance redressal unit and women's cell are actively attending and resolving the concerned problems of the students. Counseling and career guidance and placement cell are helping the students in the shaping of their career by providing appropriate guidance. There is health centre within the campus a part time doctor and Compounder are available. Games facilities such as Table-Tennis, Badminton, volleyball etc. are available within the college campus. College has planted RO plants in the various faculties and in the hostels for potable water. Auditoriums are available within other campus of the college and college society office for various events. 10 seminar rooms are available in different department and KVKs.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, The Library Advisory Committee is constituted every year. This year, it is composed by the following members:- Dr. Anupam Goel, (Patron) Dr. Gopendra Singh (Convener), Dr. Manukant Shastri, Dr. Laxman Singh, Dr. Kalpana, Dr. Somya Sharma, Dr. Prem Shanker Tiwari, Dr. Amita.

The Committee plans development activities such as expansion, purchase of New Books and Periodicals and library reforms to caters to the interest of the students.

The Advisory Committee has initiated and carried out several activities:-

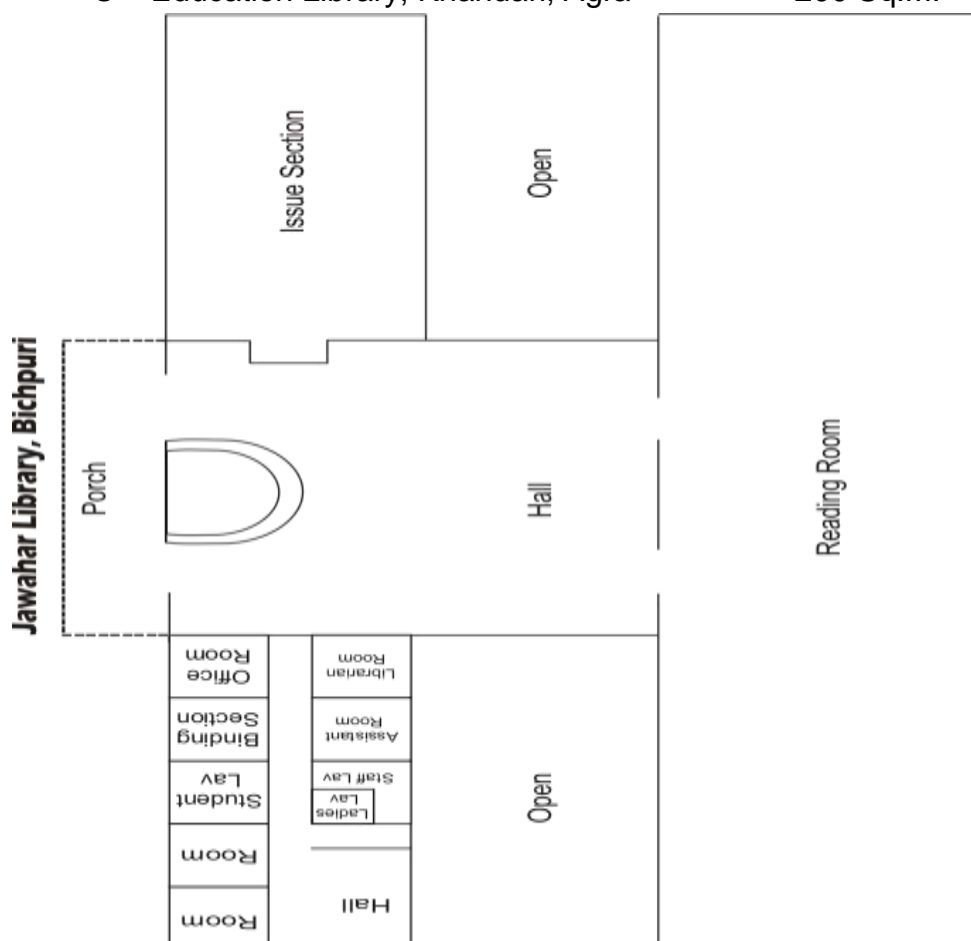
- Provision of display racks for latest arrivals of the books, research journals and magazines.
- Provision for reprographic facilities for the students.
- Provision for special research room for research scholars and faculty members.
- Recommendation to provide INFLIBNET facilities to cater to the learner need of the research scholars and faculty members.
- DEL NET is initiated.
- New journals & Books are introduced.
- Registration process for National Digital Library is also on.

4.2.2 Provide details of the following: Staff & Students share this facility, if required. Details are given below:-

• **Total area of the library (in Sq. Mts.)**

The Covered area of these libraries is-

'A' - Raja Surya Pal Singh Library, Agra	- 1500 Sq.M.
'B' - Jawahar Library, Bichpuri	- 2000 Sq.M.
'C' - Education Library, Khandari, Agra	- 200 Sq.M.



- **Total seating capacity :**

The seating capacity of these libraries is-

'A' - Raja Surya Pal Singh Library, Agra	- 100	seats
'B' - Jawahar Library, Bichpuri	- 200	seats
'C' - Education Library, Khandari, Agra	- 20	seats

- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**

i. on working days,	6 hours
ii. on holidays,	Closed
iii. before examination days,	6 hours
iv. during examination days,	6 hours
v. during vacation	6 hours

- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

Refer figure in 4.2.2.

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

List of the latest books are invited by the proposals from teachers and rates are invited either through tender or quotation through various reputed book sellers, publishers & vendors and compared by the purchase committee. The lowest gets the offer to provide the books. Journals are directly purchased by paying subscription fee either for e-journal or printed journal.

MAIN Campus :-	Raja Surya Pal Singh Library, Agra (Including Faculty of Education Library) has 99255 books, 2100 reference books 49 Journals, 08 Magazines, Newspapers, CD/DVD, Theses, Dissertation, Reports etc.
Bichpuri Campus:-	Jawahar Library, Bichpuri has 28011 books, 35 Journals, Newspapers, CD/DVD, Theses, Dissertation, Reports etc.
FMCA Campus :-	FMCA has 15000 books, 40 Journals, 30 Magazines, Newspapers, CD/DVD, Theses, Dissertation, Reports etc. Digital facilities are also available.
FET Campus :-	FET has 35000 books, 6000 titles, 145 Journals and 46 international journal, 22 magazine, digital library with NDL, DEL NET Membership.

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- Only DEL NET is available.

4.2.5 Provide details on the following items:

- Average number of walk-ins : 30
- Average number of books issued/returned : 40
- Ratio of library books to students enrolled : 12:1
- Average number of books added during last three years : 1206
- Average number of login to opac (OPAC) :
- Average number of login to e-resources :
- Average number of e-resources downloaded/printed :
- Number of information literacy trainings organized :
- Details of “weeding out” of books and other materials : Withdrawal Register

4.2.6 Give details of the specialized services provided by the library

- Manuscripts:- Manuscripts are kept in thesis section. One copy of the thesis of
Scholar is submitted in the library.
- Reference: - Books are kept in deferent section for referring the books only.
They are not issued for long time.
- Reprography:-yes
- ILL (Inter Library Loan Service):-
- Information deployment and notification (Information Deployment and Notification):-
- Download:-
- Printing:-
- Reading list/ Bibliography compilation
- In-house/remote access to e-resources
- User Orientation and awareness
- Assistance in searching Databases
- INFLIBNET/IUC facilities

4.2.7 Enumerate on the support provided by the Library staff to the students

and teachers of the college.

Staff members and students can avail books of their interest from all the libraries as when required. Besides we have departmental libraries too.

- Issue and return of the books/journals
- Guidance to students for better book options, handling catalogues and providing congenial environment for studying.
- Providing separate room for teachers and scholars under journal section.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

Braille, wheel chair.

4.2.8 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

A Suggestion box is placed at the entrance of the library, and invites anonymous feedback to improve lacunae suggested by the library user. The collected suggestions are analyzed by the library development committee and possible suggestions are recommended to the Principal and Librarian to implement changes in the infrastructure provided by the college. The changes made in the last four years on the recommendation of library development committee.

- Computerization of the library.
- Addition of the new titles specially the reference books, test books and periodicals.

4.3 IT Infrastructure**4.3.1. Give details on the computing facility available (hardware and software) at the institution.**

- Number of computers with Configuration (provide actual number with exact configuration of each available system)
- Computer-student ratio : 1:520
- Stand alone facility : Fax machine is available
- LAN facility : yes
- Wi-fi facility : yes

- Licensed software : yes
- Number of nodes/ computers with Internet facility : 110
- Any other:- Some Departments like Botany Department, Zoology Department, Department of Chemistry, Department of Seed Technology, Department of Bio-technology etc. have scientific and research softwares for example- Software for Thermo Cycler, Software for UVVIS spectra photometer, AAS, GC, Zatesizer, HPLC, FTIR, RF Sputtering setup, I-V Keithley source metre, Annealing furnace etc.

4.3.2 Detail on the computer and internet fafcility made available to the faculty and students on the campus and off-campus?

All the departments of institute are very well connected with Internet Wi-Fi connection for academic and scientific surfing to obtain information related to the new findings in research and teaching. Campus has a Wi-Fi facility for students as well as teaching staff.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- To develop central computing facility for online education and research centre which will offer computing and internet services to staff and the students.
- To convert static website to dynamic website.
- To develop online admission application system.
- To organize programme to motivate teachers to use multimedia for teaching concept.
- To develop resource sharing network/consortia.
- To obtain National Knowledge connectivity
- TO procure ICT resources facilities.
- To Prepare Examination Seating Plan & Other related works.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Refer Annexure 4.3

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

Faculty is invited to attend ICT & virtual workshops by IIT network at

engineering campus. Teachers are delivering lectures and giving presentations through LCD and students are also encouraged to deliver seminars through LCD.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching- learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

Refer 4.3.5

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

No

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

- a. **Building :-** Amount in rupees has been spent in renovation & repair of the building of the college(ref: Annexure 4.3).
- b. **Furniture:-** There is internal carpenter in the college, who repairs the furniture at small level and for large wood related work tenders are invited .
- c. **Equipment:-** College has received funds for equipment from CPE & UGC grant.
College was approved for instrumental maintenance facility fund (Botany) but could not used due to lapsed NAAC and returned back to UGC. College also received fund for equipment in different project, which are needing AMC and maintenance due to lack of funds.
- d. **Computers:-** College is lacking AMC of computers, Hence maintenance is weak point.
- e. **Vehicles:-** There are four wheeler vehicles in KVK, ICAR Project, College Principal, Faculties of Engineering & Management along with buses which are used as & when required.
- f. **Any other:-** The institute has not yet developed the devises to gathered the

above mentioned data.

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

We take AMC of some equipment and get service done on payment basis.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

There is no fixed duration for calibration of the equipment but when ever required these are sent to the manufactures for the calibration.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)? Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

Besides the Stabilizer and transformers, the power backup is provided by generators. The problem related to fluctuation of voltage has been minimized after the power distribution in Agra city was taken over by the Torrent Power Ltd. There is an over head water tank with submersible water supply in most of the Departments to maintain constant water supply to the laboratories and other parts of the college.

There is an annual inspection on updating of fire safety equipment in each and every laboratory of the Departments. The Institute has signed AMC with the dealer of the RO water purifier who takes care of maintenance and repair of the RO plants, so that uninterrupted potable water supply can be provided. Fire safety facility is created under CPE-UGC grant in few departments.

Criterion V : STUDENT MENTORING AND SUPPORT

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes, the institution publishes its updated prospectus annually which is given to the students at the beginning of the academic session along with the college application form. The prospectus gives the comprehensive information about the college. Some of the points which it highlights are as follows:-

- A brief introduction of the college
- A short history of the college
- General rules and dress code
- Scholarship and financial assistance
- Hostel facilities
- Courses of study at the following campuses:-
 - Main campus, Agra
 - Khandari house campus
 - Khandari farm campus
 - Bichpuri campus
- List of academic staff
 - Faculty of Arts
 - Faculty of Agriculture
 - Faculty of Commerce
 - Faculty of Education
 - Faculty of Science
- List of All India Coordinated Research Projects sanctioned by ICAR and Ministry of Agriculture, Govt. of India
 - Cost of Cultivation Scheme
 - Krishi Vigyan Kendra, Awagarh (Etah)
 - Krishi Vigyan Kendra, Bichpuri (Agra)
 - Dry Land Agriculture Research Project
 - Soil Salinity Research Project
 - Integrated Farming System Research Project
- List of non-teaching staff
 - Office staff
 - Library staff
 - Laboratory staff

- Contact details and website address.
 - Telephone Nos. (Office) : 0562-2858616, 2520075
 - www.rbscollegeagra.edu.in
- It also publishes a diary with above details including introduction, rules & regulation, faculty & emergency phone numbers and list of college committees.
- There are separate prospectus with respective campus details for following campuses run under Dr. AKTU, Lucknow :-
 - RBS College Management Technical Campus, Khandari.
 - RBS College Engineering Technical Campus, Bichpuri.
- There are also separate prospectuses for Open University Courses:-
 - Uttar Pradesh Rajarshi Tandon Open University, Allahabad.
 - Indira Gandhi National Open University, New Delhi.
- A detailed and comprehensive matrix fee structure for all courses offered by the College given in College Prospectus.
- College admission procedures and rules for the current session given in College Prospectus..

The prospectus especially mentions the rules pertaining to attendance, ragging etc. The college takes utmost care to ensure that the regulations are adhered to and followed ensuring the overall development of the student.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

A number of scholarships are awarded by the state government. The complete list of the scholarships and the criteria to be benefited from them are mentioned in the prospectus. The Rao Krishan Pal Singh student's aid society is functional and provides a number of scholarships. The Rao Krishna Pal Singh Students' Aid Society is engaged in the altruistic work of raising funds to help poor and meritorious students in any of the institutes under the Balwant Educational Society, Agra irrespective of their caste, creed, religion and location of birth. The Society was founded in 1977. The policy is to utilise only the interest on the Fixed Deposits in making awards.

Late Dr Ram Karan Singh Ji had done magnificent job by founding this society in 1977 which acts as a medium of financial help to the meritorious and poor students who are studying in RBS College and other affiliated institutions.

The Rao Krishna Pal Singh Students' Aid Society 's financial assistance in last 5 years is as follows:-

Sr. No.	Financial Year	Amount given in Aid & Awards
1	Financial Aid of year 2011-12	Rs.1,05,900.00
2	Financial Aid of year 2012-13	Rs.1,24,200.00
3	Financial Aid of year 2013-14	Rs.1,05,400.00
4	Financial Aid of year 2014-15	Rs.1,24,000.00
5	Financial Aid of year 2015-16	Rs.1,23,500.00

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

The Ministry of Social Welfare, The Government of Uttar Pradesh provides scholarship to the scheduled caste, scheduled tribe and physically handicapped students. The fellowship amount is directly transferred to the bank account of the beneficiary.

Table 5.1 : Number of students getting scholarship from Ministry of social welfare, government of Uttar Pradesh

Category	2012-2013		2013-2014		2014-2015		2015-2016	
	No. of Students	Amounts* (Rs.)	No. of Students	Amounts* (Rs.)	No. of Students	Amounts* (Rs.)	No. of Students	Amounts* (Rs.)
SC/ST	637		627		586		605	
OBC	342		493		419		501	
Economically weak	552		526		635		718	

* Since, this scholarship is under direct benefit transfer, information is not available.

- 15 students (PG & Ph.D.) in five years received Dr. R.R.Singh memorial Scholarship by Scientific Forum of Agronomy, Deptt.of Agronomy. 8 Students got financial assistance from Krishi Utpadan Mandi Samiti (Agriculture-students).

Table No 5.2: Students received fellowship in projects

S.No.	Name	Fellowship	Financial Agency
1.	Garima Gupta	JRF	DST
2.	Ashish Gaur	NET Fellowship	UGC
3.	Ratnika Varshneya	JRF and SRF	DST
4.	Anshul Kulushrestha	JRF	DST

5.	Kavita Singh	JRF	DST
6.	Anuj Narayan	JRF and SRF	DST
7.	Vishwajeet	JRF	DBT,DST
8.	Alka Jain	JRF and SRF	DBT
9.	Vinod Kumar	PA	DST
10.	Prem Singh	Computer Programmer	DST
11.	Nitin Wahi	NET Fellowship	CSIR
12.	Ritu Yadav	Rajiv Gandhi fellowship for handicap	UGC
13.	Sapna Mudgal	JRF	CSIR
14.	Durgesh Kumar	JRF	FIST
15.	Sumit Kumar	Project Fellow	UGC DAE CSR
16.	Anshul Jain	Project Fellow	DST
17.	Vijay Kumar	Project Fellow	DAE BRNS

5.1.4 What are the specific support services/facilities available for Students from SC/ST, OBC and Economically Weaker Sections

- Seats are reserved for SC/ ST and OBC students and they are given relaxation in the cut off percentage at the time of admission and fee as well.
- State govt. provides scholarship and Fee-freeships to the SC/ST students as per govt. rules through direct benefit transfer.
- Students from economically weaker sections receive scholarship Rao Krishna Pal Singh Students Aid Society of the college.

Students with physical disabilities

- 3% seats are reserved for admission for physically disabled students. State government provides free ship to these students.
- Hostel facilities and customized needs are provided, where ever possible.
- The college has barrier free access.
- Ramp and wheel-chair is provided to the physically challenged.
- Counseling is provided through faculty.

Overseas students

There is a NRI/Overseas Cell that works as a nodal point of contact between foreign students and the college for all their requirements. It advises students

for Overseas scholarships and exchange programmes of the government for global exposure.

Students to participate in various competitions/National and International

With regard to participation in competition of National and international level, college assesses the demand and academic and sports profile of students. After scrutiny, the college provides financial assistance and other related facilities for participant on case to case basis. For local participant transport facility and for outstation participation reimbursement is provided by the college.

All support is extended by the department of physical education, sports committee, cultural committee, NSS, NCC, Rover & Rangers, Education Department and KVKs to the participants. The department of games recruits special coaches for various games to train the potential students.

Students participate in following programmes :-

1. Yuvotsav (University Level), Zonal Youth Festival (Zone Level), National Youth Festival (State Level Youth Level.)
2. Conferences (National & International)
3. Republic Day Parade (National)
4. Kisan Mela (National)
5. College, University and National Sports & Athletics
6. NSS Camps and NSS Competitions
7. NCC Camps and Competitions
8. Rover Rangers Camps
9. University Examinations
10. Science Competition, Fairs & Exhibition

Some successful students are listed below:-

a. Annual Athletic Champion :-

Sr. no	Boys/Girls / Manager	2012-2013	2013-2014	2014-2015	2015-2016
1	Boys	Munendra kumar B.A-I	Munendra kumar B.A-II	Anil kumar Yadav, B.A.-II	B.P.Singh Yadav, B.A.-II

2	Girls	Reena kumara M.A.(P)	Miss. Himani. B.Sc.-I	Miss. Himani. B.sc.II	Miss. Himani. B.Sc.-III
---	-------	-------------------------	--------------------------	--------------------------	----------------------------

b. The Rao Krishna Pal Singh Student Aid Society declares following Awards for Students of Post-Graduate Classes securing highest marks in their respective qualifying examinations from the R. B. S. College, Agra.

Sr. No.	Name of Award	Study in class	Amount
1	Smt. Pushpa Rani Memorial Award	M. A. (F) Hindi (Girl)	Rs.250/-
2	Shri Ram Srivastava Memorial Award	M A. (F) English	Rs.500/-
3	Comdr. U, K. Bhardwaj Memorial Award	M. A. (F) Sanskrit	Rs.500/-
4	Shri Suraj Kumari Srivastava Memorial Award	M. A. (F) Geography	Rs.500/-
5	Shri Harchan Das Negrath Memorial Award	M.A. (F) Pol. Science	Rs.500/-
6	Shri Nand Lai Nayyar Award	M. A. (F) Psychology	Rs.500/-
7	Shri Tirloki Nath Shanti Devi Award	M. A. (F) Economics	(Girl) Rs.250/- (Boy) Rs.250/-
8	Dr. R.K.Singh Memorial Award	M. A. (F) Rural Economics & Co-operation (B.V. R.I.)	Rs.500/-
9	Shri Roop Kishore Mishra Memorial Award	M.A./M.Sc. (F) Mathematics	Rs.500/-
10	Shri Sunshil Chandra Chaturvedi Memorial Award	M. Sc. (F) Physics	Rs.500/-
11	Dr. Raghunath Singh Memorial Award	M. Sc. (F) Chemistry	Rs.500/-
12	Smt. Indra Nagrath Award	M. Sc. (F) Botany	Rs.500/- (Girl)
13	Shri Drigpal Singh Memorial Award	M. Sc. (F) Botany	Rs.500/- (Boy Girl)
14	Shri V.P.Singh Memorial Award	M. Sc. (F) Zoology	Rs.500/-
15	Shri Shiv Prasad Gupta Award	M.Com.(F)Accy.&Law	Rs.500/-
16	Shri Kudan Lai Umrao Lai Kotla Memorial Award	M.Com.(F)Bus.Adm.	Rs.500/-
17	Kunwar Prasad and Kunwarani Adeeb Memorial Award	App. M. Com. (F) Bus. Eco.	Rs.500/-
18	Dr. Raghu Raj Singh Memorial Award	M.Sc.Ag.(F) Agronomy	Rs.500/-
19	Dr. Roshan Singh Award	M.Sc.Ag.(F) Economics	Rs.500/-

20	Dr. Madan Lai Gupta Memorial Award	M.Sc.Ag.(F)Ag. Chemistry	Rs.500/-
21	Dr.ShriGopalShanna Memorial Award	M. Sc. Ag.(F)Ag. Chemistry	Rs.500/-
22	Shri Harbans Lai Marwah Memorial Award	M. Sc. Ag.(F) Horticulture	Rs.500/-
23	Smt. Basanti Devi Nayyar Award	M. Sc.Ag. (F) Animal	Rs.500/-
24	Dr. I.J. Singh Award	M. Sc. Ag. (P) Eco.	Rs.500/-
25	Dr. Ratan Kumar Singh Award	M. Sc.Ag. (P)Agronomy	Rs.500/-
26	Shri R.G.Chaturvedi Memorial Award	M. Sc.Ag. (P)Agronomy	Rs.500/-
27	Dr. J.S.P.Yadav Award	M. Sc.Ag. (P)Agri. Chemistry	Rs.500/-
28	Dr. N.K. Anant Rao Award	M. Sc. Ag. (P) Horticulture	Rs.500/-
29	Shri B. D. Paraswani Memorial Award	M.Com.(P)Bus.Adm.	Rs.500/-
30	Shri S. M. Dattatrey and Smt. Sharika Memorial Award	M.Ed	Rs.250/- (Girl)
31	Shri Jagdeo Singh Memorial Award	B.Sc.II,B.Sc. III	Rs.250/-
32	Smt. Chandrawati Memorial Award	B.A. II ,B.A. III	Rs.250/- ,Rs.250/- (Girl)
33	Shri Suresh Chandra Pathak Memoiral Award	B.Sc. Ag. III Topper	Rs.250/-
34	Dr. Bahadur Singh Award	Ph.D. Student in Botany	Rs.500/-
35	Dr. Sabal Singh Memorial Award	Ph. D. Student in Vedic Maths	Rs.500/-
36	Shri Pramod Kumar Memorial Award		Rs.500/-
37	Dr. S. P. Srivastava Memorial Award		Rs.500/-
38	Shri Swami Shivanand Memorial Award	outstanding student of Geeta and Vedanta	Rs.501/-
39	Smt. Suraj Devi Award	Son of class Employee of R. B. S. college	Rs.500/-
40	Smt. Sampati Devi Award	Class VI,VII of R. B. S. Jr. High School Agra	Rs.250/- (Two Girls)
41	Shri Shiv Prasad Gupta, Hathras Award	disciplined students of any institution of B. E. society	Rs.250/- (Two Students)
42	Smt. Kalawati Devi Award	deserving Rajput student	Rs.500/-
43	Smt. Suraj Kumar Singh Award	obtaining highest marks paper admitted in M. Ed	Rs.500/-
44	Thakur Bhairo Singh Memorial Award	Two poor students of	Rs.250/-

		R.B.S. Jr. High School	each
45	Shri BholaNath Singh & Smt. Malti Devi Award		Rs.500/-
46	Dr. Smt. Manasi Ram Memorial Award		Rs.500/-

And many more displayed on website www.rkpssociety.com

Recipient are mention on <http://rkpssociety.com>.

Medical assistance to students: health centre, health insurance etc.

The college has a sick room and OTC medicines for minor ailments. There is a part time visiting doctor. Emergency medical facility is made available as and when required. There are health checkup camps organized in collaboration with social organizations.

Organizing coaching classes for competitive exams

Books for competitive exam are made available in the Departmental Libraries and College Library. Guidance is offered for the Civil Services, Indian Forest Services, NET/GATE, PSC, Banking exam etc. by teachers.

Campus placement drive is also adopted in Agriculture, Engineering, Management etc.

Skill development (Spoken English, computer literacy, etc.)

The students are made aware of the advantages and encouraged to acquire additional skills like spoken English, computer literacy etc. by their faculty. KVKs are involved in skill development programmes every month, on various agricultural aspects for agriculture students and farmers. For e.g.: Botany department trained following students/Scholars for vermicomposting, PG students mushroom cultivation and soil testing:-

1. Sudhir Kumar	Mushroom Cultivation
2. Anuradha	Soil Testing, Vermicomposting
3. Archana Singh	Mushroom Cultivation
4. Raj Kumar Singh	Mushroom Cultivation
5. Mamta Singh	Mushroom Cultivation
6. Anjana Tripathi	Tissue Culture
7. Divya Goel	Tissue Culture
8. Vinod Kumar	Soil Testing
9. Kavita Solanki	Soil Testing
10. Dheeraj Kumar	Soil Testing, Vermicomposting

Agriculture Engineering section of KVK has given total 11 Training Programmes on Diesel Engine repairing to 249 rural youths, 52 rural youths

have got the employment as Diesel Engine repairing with earning about Rs. 4500 to Rs. 8600 per month, however, rest 187 have got the skill of repairing of diesel engine and they repair their own engine and saving about Rs. 1800 per year in repairing expenses. These rural youths are working in the field of repairing of diesel engine with one helper so that 104 rural youths have got employment (directly and indirectly). These helpers generally get Rs. 200 per day at the time of engagement in repairing diesel engine, besides this many others rural youths are getting expertise of diesel engine repairing under the guidance of above mentioned 52 diesel engine mechanics to whom KVK has trained.

Support for “slow learners”

Faculty members devote extra time to align slow learners and counsel them.

Exposures of students to other institution of higher learning/ corporate /business house etc.

Field study tours are organised by several departments as per the curriculum. The college gives additional merit points to students for sports/NCC/NSS/ cultural activities. Tours are conducted to diverse regions of the country. Student visits are conducted to Prestigious institutions and industrial organizations such as:-

Botany & Seed Technology:

1. National Bureau for Plant Genetic Recourses (New Delhi)
2. Forest Research Institute (Dehradun)
3. G. B. Pant University of Agriculture & Technology, Pant Nagar.
4. Central Potato Research Institute (Shimla)
5. Botanical Survey of India (Dehradun)
6. Panchmarhi Biosphere Reserve
7. Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora
8. Botanical Garden, Nainital
9. Patna Panchi Vihar, Etah
10. Indian Agricultural Research Institute, PUSA, New Delhi.

Geography:

1. Visits to geographically important sites like Puri, Kanya Kumari, Nainital, Haridwar, Manali, Shimla etc.
2. They were exposed to seaports, Lagoons, Lakes, Hills etc.

Zoology:

1. Central Goat Research Institute, Makdoom
2. National Bioreserve Forest & Zoo, Nainital
3. Bird Sanctuary, Bharatpur and Bird Sanctuary, Kheetham

Education:

1. Get to know Excursion

Publication of student magazines

Magazines published by Institution, Departments and KVKs are as follows:-

- | | |
|---|------------------------------------|
| 1. Jigyasa | Published by College. |
| 2. Technovision | Published by Engineering Students. |
| 3. Shashwat | Published by Engineering Students. |
| 4. Vinimaya | Published by Engineering Students. |
| 5. Chem world, Biozone, Food Nuts, E-comet, Yantriki, Monthly newsletters | Published by Engineering Students |
| 6. Krishi Gyan Ganga | Published by KVK |
| 7. Udai Shree | Published by Faculty of Education |
| 8. Raj Shree | Published by Faculty of Education |

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The College organises events for enhancement of entrepreneurial skills of the students. The NSS regularly coordinates with agencies to deliver lectures on entrepreneurial skills. They also provide knowledge regarding small loans for small industries. Training Programmes are organized by MSME in different faculties of the college on various aspects. Education department prepare the students with teaching skills.

Industrial visits are arranged for the students by different faculties like- Engineering & Agriculture.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc. Additional academic support, flexibility in examinations

Teachers take extra classes to complete the course for these students. Since, examinations are conducted by the University and College has to adhere to University norms, No flexibility is provided.

Special dietary requirements, sports uniform and materials

The sport material and free sport kits are provided to the students. College provides transport for all teams participating in sports competitions and pays the entry fees for all such competitions on behalf of the students. NCC cadets

& Students of NSS get refreshments in every camp and practice.

Any other

The college encourages students to enroll in NCC and NSS and actively participate in sports and cultural activities. Some of them are debate, plays, poetry composition, dancing instrumental music, vocal music, quiz, mimicry, Rangoli, Stage Making, collage, poster making etc.

The teachers devote extra time to supervise practice sessions and accompany them to inter College & University Inter University, National and Zonal competitions. There are cultural programmes on Republic Day, Independence Day, Education Day, Founder's Day, Annual Day, National Voter's Day etc. in each campuses and College Society office too.

College felicitates extraordinary players and participants with special prizes and sometimes with cash prize also. Students of B.Sc. Agriculture are motivated for RAWES Scheme enrollment and sent to villages for rural extension work.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

Guidance for NET, Civil Services, Forest Services, Banking, Defence, Agriculture Research Services, IES, CAT, GMAT is given by subject teachers. The college does not have a database of the students who appeared and qualified in the competitive examination. To name some of the recent are as follows:

Botany :-

1.	Sunil Pippal	UGC-NET
2.	Avinash Jain	UGC-NET
3.	Satendra Kumar Kaushal	UGC-NET
4.	Bharat Bhushan	UGC-NET
5.	Vishnu Sharma	UGC-NET
6.	Vishwajeet Singh Sisodia	ARS-NET

Physics :-

1.	Archana Dixit	GATE
2.	Ajay Kumar Singh	GATE
3.	Priti Sharma	NET/GATE/JEST
4.	Pramod Rajput	GATE
5.	Vishnu Kumar Rathor	NET
6.	Sapna Mudgal	NET/JRF
7.	Prabal pratap Singh	NET/GATE
8.	Durgesh Kumar	JEST

9.	Nidhi	Gate/JEST
10.	Bindu	Gate/NET
11.	Amit Kumar	GATE
12.	Chanchal	IIT-JAM
13.	Akhilank Jain	GATE/NET/JEST
14.	Duli chand Sharma	NET2010, NGO
15.	Vishnu	NET 2011, T A, Krishi Vibhag
16.	Heera Lal	NET 2012, T A, Krishi Vibhag

Faculty of Education:-**2011**

1.	Sanjeev Kumar	UGC-NET
2.	Rahish	UGC-NET
3.	Prabhat	UGC-NET
4.	Shakil Ahmad	UGC-NET
5.	Ajit Kumar Dixit	UGC-NET
6.	Dharnidhar	UGC-NET
7.	Anita	UGC-NET
8.	Mukesh Kumar	UGC-NET
9.	Suman Katiyar	UGC-NET
10.	Vivek Chauhan	UGC-NET
11.	Pankaj Kumar Yadav	UGC-NET
12.	Prem Lata	UGC-NET

2012

1.	Imran	UGC-NET
2.	Bhawna Tiwari	UGC-NET
3.	Mahesh Chandra	UGC-NET
4.	Sandhya Lawaniya	UGC-NET
5.	Binita Agarwal	UGC-NET

2013

1.	Suman Lata	UGC-NET
2.	Vindeshwari	UGC-NET
3.	Sita Ram Sharma	UGC-NET
4.	Pankaj Pathak	UGC-NET

2014

1.	Sanjay Kumar	UGC-NET
2.	Manoj	UGC-NET
3.	Vaibhav Pandey	UGC-NET
4.	Saurabh Tiwari	UGC-NET

2015

1.	Tabassum	UGC-NET
2.	Priya Srivastav	UGC-NET
3.	Priyanka Singh	UGC-NET

5.1.8 What type of counselling services are made available to the students?

Students are from rural background and need thorough counseling in each subject right from choosing the subject to obtaining degree. Academic and career counselling is done informally by the teachers in their respective department. Faculty does hard work for helping them to seek their goals in comparison to other colleges where Urban & Creamy Layer students get admitted.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students?

The institute have career counselling and placement cell which is in primordial stage in case of Khandari campus but at Bichpuri Campus this cell is too active for Agriculture and Technical students. Overall, there are number of qualified teachers who are NET qualified and provide personal and effective counseling.

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

The grievance redressal cell is present to address the grievances of the students but there is no grievance report received during last four years.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Yes, the college has a sexual harassment cell to prevent sexual harassment of the students and to ensure their safety and security. It is merged with student grievance cell.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Ragging is banned in the college. The anti-ragging committee works in this regard. Warning against ragging is posted in different parts of the college. The students are directed to approach the anti-ragging committee in case of any incidence. The composition of Anti Ragging Committee change every year. The committee for 2016-2017 is as follows:-

Grievance Redressal & Anti Ragging Task Force Cell, Agra Campus

- | | |
|---------------------------|----------------|
| • Dr. Anupam Goel | Patron |
| • Dr. Yuvraj Singh | Incharge |
| • Dr. K.P. Singh (Botany) | Astt. Incharge |

- Dr. Kalpana Member
- Dr. Vinod Kumar Member
- Dr. Anupama Singh Member
- Dr. Sanjeev Pal Singh Member
- Dr. Basant Bahadur Singh Member
- Dr. Anil Kumar Member
- Dr. Pushpendra Singh Member
- Dr. Nishant Chauhan Member

Grievance Redressal & Anti Ragging Task Force Cell, Bichpuri Campus

- Dr. Anupam Goel Patron
- Dr. U.N. Singh Incharge
- Dr. Ranvijay Singh Asstt. Incharge
- Dr. Laxman Singh Member
- Dr. Rajeev Kumar Member
- Dr. Sant Bahadur Singh Member

5.1.13 Enumerate the welfare schemes made available to students by the institution.

Economic welfare:-

Besides the scholarship of the state government the needy are helped informally by teachers Rao Krishna Pal Singh Student's Aid society helps the needy students. The faculty makes relaxation and generous contributions to the needy particularly for college tours and camps. Informal help is extended by the cultural committee and sports committee.

Academic welfare:-

Counselling at the time of admission : Career counselling is given formally and informally through different channels. The college invites experts from different fields to encourage and guide the students. The alumni act as role models for the students.

College students have been benefitted by Laptop Distribution Program of State Government. Many cells are developed for their benefit like:

- a. Career & Counselling Cell
- b. Equal Opportunity Cell
- c. Grievance and Sexual Harassment cell
- d. Admission Cell
- e. Examination Cell
- f. NRI-Overseas Cell
- g. Library Book Bank
- h. NSS
- i. Rovers / Rangers
- j. Excursion tours and visits

Health

The College has installed RO plants to ensure safe drinking water for students. There is a sick room and doctor on call.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

The college has a registered alumni association named as Old Boy's Association. Alumni Association of Raja Balwant Singh College, Agra was constituted in 1987-1988 by Late Dr. Madhusudhan Singh, Ex-Principal, R.B.S.College Agra. Since then the Association is actively organizing free annual meet of old students of the college.

Currently, the office bearers of the alumni association are;

1. Dr. Anupam Goel	Patron/Principal,R.B.S.College
2. Dr.Ajai Pal Singh	President
3. Dr. Naresh Kumar Singh	Vice-President
4. Dr.Krishan Pratap Singh	Secretary

The college is fortunate enough that it's members hold key posts in Educational Institutes and Administration, all over India.

Some of the key members are as under:

1	Prof. D.P. Singh	Ex. Vice Chancellor, BHU, Varansi, Dr. H.S.Gaur University, Sagar, DAVV, Indore
2	Prof. Punjab Singh	Ex. Vice Chancellor, BHU, Varansi
3	Prof. N.C. Gautam	Vice Chancellor, Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, Distt. Satna (M.P.)
4	Prof.D.P.Singh	EX-Vice Chancellor, JNKVV, Jabalpur – M.P.
5	Dr. R. P. Singh,	Director, Higher Education, Allahabad, Uttar Pradesh.
6	Dr.B.P.Singh	Ex-Scientist, NBPGR, New Delhi
7	Prof.V.P.Singh	Pro. VC, M J P Rohilkhand University, Barielly.
8	Dr.Surya Mani Tripathi	Scientist, ICRISAT, Hyderabad
9	Dr.Rajesh Kumar Singh Rathore	DIG, U.P.
10	Dr. R.C. Gautam,	Dean Agril. Faculty, IARI, New Dehi.

The current members of alumni association is 200. The alumni of the college is interested to encourage the youngsters to do something meaningful for not only the students but also to the society as well.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

In the last 4 years a total of 90% students from Science, Arts and Commerce have passed their graduation exams.

- After graduation, a major population of the students opts for Post-graduation in the local institutions as well as institutions located in different parts of the country. Some students also avail the option of overseas education for their postgraduate courses. Many students, after their graduation, appear in the Civil Services and various other competitive examinations.
- Some of the students get employed in the industries, educational institutions and other services.
- No exact data base is available regarding the above.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Majority of students are from rural background. The result in comparison to other college receiving urban students is remarkably consistent, which is a good achievement. Students of Agriculture & Education faculty perform best in the College & the University followed by Commerce, Science, Arts and BBA, BCA,.

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The postgraduate admission is done by the respective departments in accordance with the admission rules of courses of different subjects in Dr. B. R. Ambedkar University, Agra. Committee gives preference to students of our college progressing towards higher level of education. Teachers are in board of selection in many colleges/Universities/Industries/Commissions where they facilitated students of the institution. The students have succeeded in acquiring private and government jobs. ***The college has no definite record once they pass out. Following is the list of some of them (also Refer 5.1.5) :-***

- Dr. R Kudeshiya, Asst.Prof.,Bundelkhand Univ. Jhansi
- Dr. Archana Singh ,Consultant NGO,IARI,PUSA
- Dr. Prem K. Gautam Assist Prof. G.T.P.C Nandurbar
- Dr. B.P. Singh Lecturer, Paliwal College, Shikohabad
- Dr. Om Pal Singh Lecturer, Fz Degree College, Mathura
- Dr. Amit Chauhan ,STA,CIMAP, Bhageshwar, UT
- Dr. A. Pandeya, Director, Biotech City College, Gwalior
- Dr. G.K.Pahari, Lecturer,Guru Ghasidas College,W.B.
- Dr. Om pal Singh ,Food Inspector, Agra
- Dr. Rekha Yadav, Director,G.S.Inter College, Agra
- Dr. Dinesh K Singh- Research Asso, Khandawa, M.P.
- Dr. Preetesh Kumari, SRA, NBPGR, New Delhi
- Mr. Neeraj Kumar -Lecturer, R.B.S. Inter College, Agra
- Dr. Manisha Dhasmana, Scientist, Bayer
- Mr. Ashish Srivastava, National Seed Corporation.
- Miss. Deepti Samadhiya, FCI.
- Mr. Naresh Dixit, FCI.
- Dr. O Pal Singh, Food Inspector.
- Dr. Preeti Bhadauria
- Dr. Mita, Scientist ,TERI, New Delhi
- Dr. Surabhi Mahajan , Lecturer, Dr. B.R.A Univ,Agra
- Dr. Suryamani-Scientist,ICRISAT,Hyderabad
- Mr. Anuj Singh -CIRG, Farah, Mathura
- Mr. Ajeet Bhadauria -Pfizer, Chief Manager
- Dr. Mamta Chauhan -Ranbaxy, International Affair ,MD
- Dr. K P Singh- Lecturer,SMS College,Agra
- Dr. Suruchi Singh -Lecturer, H.C. Sci.& Tech., Mathura
- Dr. Devesh Kumar,RBS College,Agra
- Dr. Sandeep Kumar, Kendriya Vidyalaya, New Delhi
- Dr. U. P.Singh.- Lecturer , Seed Tech., R.B.S.College, Agra
- Dr. Charu Gupta- Asst Prof., Bundelkhand Univ,Jhansi
- Dr. Amit Dhingra, Associate Prof. Washington State University
Pullman, WA 99164-6414
- Dr. Atul Tiwari –Lect., Dr. MPS College of Biotech. Agra
- Dr. Anuj Narayan- Sr. Manager, Wokhardt, Pune

There is placement cell in the college & other Faculties. Some placements have taken place in Agriculture Faculty, Seed technology Bio technology, Engineering etc.

Placement of M. Sc. (Ag.) students passing out and NET Qualified

Dr. Shyoraj Hada, National Seed Corporation, Govt. of India
Dr. Sanjeev Ku. Sharma, Lecturer, Navodaya Vidhyalaya, Aligarh
Dr. Ajay Kumar Jha, Supervisor, CCS, Pusa Samashtipur, Bihar
Dr. Samser Singh, Farm Manager, Govt. Farm, H.P.
Dr. Digamber, Supervisor in Agriculture Dept., Rajasthan
Dr. Dharmendra Singh Sisodia, Supervisor in Mandi Samiti, Agra
Dr. Chhote Lal, Area Manager in Multi National Company

Sr. No.	Name	Year	Placement
1.	Karan Singh	2012	Institute of Horticulture Science, Noida
2.	Lalit Pratap Singh	2012	Institute of Horticulture Science, Noida
3.	Dheeraj Kumar	2013	T A, Krishi Vibhag
4.	Hari Shankar	2013	Teacher Junior high School
5.	Ankleshwar Singh	2013	Foreman Horticulture, ASI
6.	Kiran Rajput	2014	Iffco call center
7.	Rahul Varshney	2014	Teacher Junior High School
8.	Mamtesh Kumari	2015	Agriculture officer, Syndicate Bank
9.	Usha Singh	2015	T A, Krishi Vibhag
10.	Pravesh Kumar	2015	T A, Krishi Vibhag
11.	Veerpal Singh	2015	T A, Krishi Vibhag
12.	Rajesh Meena	2015	T A, Krishi Vibhag
13.	Radha Kishan Sharma	2015	-

List of Candidates selected in Civil Services

1.	Mrs. Vandana	PCS (J) Sultanpur
2.	Mr. Sitaram Sharma	PCS (Jain Superintendent)
3.	Dr. Rekha S Chauhan	S.D.M.
4.	Mr. Dharmendra Singh	S.D.M.
5.	Mr. Arvind Dixit	S.O., Murad Nagar
6.	Mr. Sitaram Sharma	PCS (Jain Superintendent)
7.	Dr. Indra Singh	Samaj Kalyan Adhikari, Lalitpur
8.	Mr. Arvind Yadav	Gramya Vikas Adhikari
9.	Mr. Mahesh Singh	Gramya Vikas Adhikari

List of selected Candidate in Defence

1.	Neeraj Dinkar	Commandant CRPF
----	---------------	-----------------

The list of selected Cadets as commissioned Officers in Armed Force as below:-

Sr. No.	Name	
1	Richa Singh	I.A.F.
2	Vijay Panwar	OTA
3	Abhishek Bhadauriya	OTA
4	Pawan Dixit	OTA
5	Praveen Chaudhary	NDA
6	Alok Agarwal	Relience Industries
7	Jitendra Singh	Relience Industries
8	Prashant Sisodia	IMA

(a) By Hicare Service Pvt. Ltd. on dated 28-11-15

Selected-06 , Appear/enrolled-60

Selected % enrolled-10%

(b) J.U.Agriculture Sciences on dated 19-02-2016

Selected-18

Appear/enrolled -90

Selected % enrolled-20%

(c) Radhika Biotechnology on dated 03-08-2016

Selected-08

Geography

1. Vikas Sunar – TGT Teacher – Kendriya Vidyalaya
2. Dharmendra Sharma – Investigator, TCPO, Urban Development Ministry, Govt. of India
3. Ratan Chandra Paul – Assistant Professor of Geography, Siliguri Mahila Mahavidhyalaya, West Bengal
4. Naveen Kumar – GIS Digitiser, Scottish Govt., Scotland (UK)
5. Shashi Kant Sharma, GIS Engineer, HARSAC, Govt. of Haryana

Seed Technology – Placement of 45 students have been made during 2012, 2013 and 2014. Some of them are as follows :

1. Arvendra Singh – Marketing in Pesticides India
2. Neeraj Rajput – Seed Production in ADVANTA
3. Pankaj Upadhyay – Project in IARI
4. Sourabh Singh – Seed Testing in Hyderabad
5. Lalit Kumar – Project in IARI
6. Manish Rana – Marketing in Moncento
7. Anuj Kumar – KRIBHCO
8. Vikram Singh – Govt. Jon as Warehouse Supervisor

9. Gurmeet Singh – Marketing in Dupont
10. Vivek Pachouri - Marketing in Syngenta

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Scholarships are given to the SC/ST/OBC and students of the weaker section by the state government.

Teachers devote extra time to the academically weak students. Particular attention is given to discourage dropouts.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The department of physical education has as a glorious history and has produced a number of players of state and national level. The institution has good indoor and outdoor sports facility for athletics, badminton, table tennis, taekwondo and wrestling. There is a basketball court, a cricket field, a football and hockey ground. The students also have facilities to play volleyball, handball carom, and chess discuss and shot put.

(A) Details of NSS :-

NSS come into existence in 24 Sept. 1969 when country was celebrating first birth centenary, Father of Nation Shri M.K. Gandhi. NSS an organization working under the aegis of Ministry of Youth Affairs and sports Govt. of India New Delhi. The NSS involved our all personality development through social work of the students. The main thrust areas of NSS are Awareness programmes i.e. Skill development, Plantation, Women Impowerment, Digital India, Clean India Green India and Blood Donation etc.

RBS College, Agra, NSS consists 5 units at two different campus and running successfully comprising 500 U.G. class students under the Leadership of Principal, Dr. Anupam Goel and Co-ordinator (N.S.S.) Dr. B.R. Ambedkar University, Dr. Ramvir Singh Chauhan. The units are running under different programme officers as following:-

- | | |
|------------------|-------------------------|
| 1. N.S.S. Unit 1 | Dr. Prem Shankar Tiwari |
| 2. N.S.S. Unit 2 | Dr. Mridula Sighal |
| 3. N.S.S. Unit 3 | Dr. Laxman Singh |
| 4. N.S.S. Unit 4 | Dr. Sant Bahadur Singh |
| 5. N.S.S. Unit 5 | Dr. K.P. Singh |

(I) Last five years (2012 -2017) consolidated major achievement of NSS units are as follows :

1. Plantation

A number of plantation programmed have been organized by all units and planted almost 1500 plants in different place of Agra as well as all the 4 campus.

2. Blood Donation

A total of 7 blood donation camps were organized with the collaboration of Life Line Blood Bank, Samarparn Blood Bank and S.N. Medical College, Blood Bank and till now 450 units blood has been donated by NSS volunteers with the help of these agencies and institution.

3. Traffic Awareness

This programme is also going on with help of Traffic police of Agra and organized so many camp at different crossings of MG Road, Agra and educated the whole Agra papers.

4. Swachachh Bharat Abhiyan

Since last five years all the N.S.S. Units are working in the campus as well as outside of the campus as Railway Station, public place etc. for cleaning the place.

5. Beti Bacho & Beti Padhao Abhiyan Programme

As per the initiative of Prime Minister of India Shri Narendra Modi this programme is also celebrated in different campuses with help of the various NGO's .

6. Training programme

Empanelled Training Institute (ETI), UP State Aids Control Society, National Small Industries Corporation Ltd., Civil Defence, RGNIYD, Training of the Trainers.All the programme officers of different units have been trained by these institutions.

.7. Health /Eyes/Immunization Camps

NSS Units are involved in the health programme with the assistance of S.N. Medical College Doctors & I.M.A. Doctor, Dr. B.S. Baghel in taking keen interest and organized more than 30 camps in last five years.

8. Others Awareness Programme (Rallies) Campaigns

- **AIDS Awareness Programme** has been organized under of aegis of Red Ribbon Club.
- **Yoga Programme International Yoga** day is being celebrated on 21st June at Dr. B.R. Ambedkar University, Agra campus last two years by these units.

9. Voter Awareness Programme

Voter Awareness Programme is going on very successfully for the last five years and also N.S.S. Volunteer educating the Agra people for casting their vote. Recently Voter Awareness Express has come to Agra for awareness of the voters. Chief Election Commissioner ECI Dr. Naseem Jaidi has flagged off

the Bus at Agra commissioner's office. Dr. Laxman Singh SVEEP Coordinator had co-ordinated this bus along with N.S.S. Volunteer of different Colleges. The volunteers did excellent job for voter awareness with their activities like, Nukkad, Natak, Speech, Drawing, Folk Dance, Slogen and other activities.

10. Assets Developed by N.S.S. Units

Planted 1500 trees and donated 450 unit blood and trained 600 students for skill development and self employment and also collected Rs. 60000 for Earthquake for the University and contributed Rs. 11000 in Flag Day on 16 December 2016 constructed 1.5 km Kachchi Sadak at Ladamada village near by R.B.S. College Bichpuri Campus and the cost of the Sadak is approximately 1.5 lac has been borne by the Gram Pradhan of Ladamada. Total assets are in lacs for the National Development by the N.S.S. Units of R.B.S. College, Agra U.P.

11. Other Achievement of Units (State level Award of N.S.S.)

Dr. Ramvir Singh Chauhan, Co-ordinator (N.S.S.) and Dr. Pratima Gupta have been honoured by Prashashti Patra and momento on 25 January 2014 by U.P. Governor Shri B.L. Joshi for excellent work of University in SVEEP activities in Voter awareness.

Dr. Laxman Singh (Programme Officer Unit-3) has been awarded for his excellent work towards SVEEP programme related to voter awareness on the occasion of National Voter Day (25-01-2017) by Dy. Chief Election Commissioner, ECI Shri Vijay Kumar Dev at Lucknow.

Dr. Pratima Gupta, was awarded a special prize by the Hon'ble Governor of U.P. Mr. Ram Naik on 25th January, 2015 for her immense contribution in Voter Awareness Programme as a SVEEP Co-ordinator.

Vaishali Nigam (N.S.S. Volunteer) has also been awarded for her excellent work towards SVEEP programmes related to voter awareness programme on the occasion of National Voter Day (25-01-2016) by Dy. Chief Election at Lucknow.

The students of all five units are participating in international, national, state, district level programme like as Republic Day Prade Camp, National Integration camp, Mega camp and Adventure camp being organized by Ministry of Affairs and Sports, Govt. of India during last five years.

II) Last five years (2012 -2017) consolidated major achievement of NSS (Girls) units are as follows :

NSS Unit II (Girls) of RBS College celebrated and conducted a variety of programs and activities during the academic session 2015-16.

Independence Day: The NSS Unit II, Girls volunteers actively participated in the celebrations and sung patriotic songs in the college premises.

NSS Adventure Camp: NSS Unit II (Girls) volunteers Vaishali Nigam and Aradhana Singh attended NSS Adventure Camp from 15-24 Sept. 2015 at Atal Bihari Vajpayee Institute of Mountaineering & Allied Sports, Dharamshala, organized by Govt. of Himachal Pradesh & also Dipti attended from 30 Sept. - 9 Oct. 2015 at Atal Bihari Vajpayee Institute of Mountaineering & Allied Sports, Pong Dam, organized by Govt. of Himachal Pradesh.

NSS Day celebration: All volunteers took active participation in the celebration with Programme Officer Dr. Mridula Singhal on 24 Sept. 2015.

NSS National Integration Camp: NSS Unit II (Girls) volunteers Juhi Tiwari and Sangeeta attended NSS National Integration Camp from 21-27 Sept. 2015 at L. D. College of Engineering, Ahmedabad, organized by State NSS Cell, Dept. Of Higher Education, Govt. of Gujarat.

Youth Exchange Programme: A group of youth visited Taj Mahal at Agra on 8 Oct. 2015 from Bangladesh was hosted and welcomed by the NSS Unit II, Girls volunteers under the supervision of Programme Officer Dr. Mridula Singhal.

Environmental Protection Week (9-16 Oct. 2015): The activities conducted during the week were cleaning the areas within and outside the college campus and cleaning of slum areas of Khandari, Agra. To mark the occasion a poster competition was organized on environment protection, water conservation and Health & Hygiene.

A special talk was organized on 20 Nov. 2015 and delivered information about NSS activities and its importance of personality development through social service by Programme Officer Dr. Mridula Singhal. Mr. Hitesh Chandel, CEO & Chief Mentor of Defined Values Consultant Pvt. Ltd. Delivered special talk on 'Self Actualized Leadership Development Program'. Dr. R. K. Jain as Principal and Dr. Ramvir Singh Chauhan, NSS Coordinator, Dr. B R Ambedkar University, Agra and other faculty members were also witness to the program.

Special Lecture on Cyber Crime: A special lecture was organized in the second session during the one-day camp on 'Cyber Crime'. This special lecture was delivered by Mr. Ishan Upadhyay, Expert-Cyber Crime and he also gave awareness by playing documentary film on the subject.

Essay, Poster & Poem Competition on Swami Vivekananda's Life and Work: NSS Unit II, Girls volunteers actively participated on Youth Day, in the competitions organized at College, on 12 Jan. 2016.

NSS One Day Camps: Organized four One Day Camps in the academic session 2015-16 at different area of adopted slum localities of Agra.

7 Days NSS Special Camp: A seven days NSS Special Camp at RBS Kanya Junior High School, Khandari, Agra was organized from 16-22 Jan. 2016 with the

theme "**Beti Bachao Beti padhao and Women Empowerment**". The chief guest of the Inaugural Function was Dr. S. S. Chauhan, Retired Jailor &

Social Activist. Presidential remarks were given by Dr. R. K. Jain the Principal and Dr. Ramvir Singh Chauhan, NSS Coordinator-Dr. BRA University. Dr. Mridula Singhal, NSS Programme Officer, briefed about the activities to be conducted during the camp.

In addition to social survey and also encouraged residents by displaying posters and slogans to save girl child in future and also took oath for the elimination of social evils, activities/programs related to health and hygiene education, environmental protection, Women empowerment rally, voters' awareness, water conservation, adult education, social abuses, self-defense and yoga etc. were also conducted during the camp in the adopted slums of Bapu Nagar, Khandari.

Seminar/ Workshops: Lectures of eminent personalities on topics of general interest i.e. Human values, RTI, Consumer protection, Personality Development, First Aid, Diet & Nutrition, Self-Employment, etc. were organized during the second session of the camp. Speech, essay and poster competitions on these topics were also organized. The activities of each day of the Special Camp ended with cultural programs/competitions.

National Voters' Day: The NSS Unit II, Girls volunteers actively participated on the occasion on 25 Jan. 2016 at St. John's College, Agra. NSS Unit II, **Girl volunteer Vaishali Nigam received State Level award & certificate by Chief Election Officer of U.P. at Lucknow for remarkable contribution in SVEEP & National Voters' Awareness Program as College Ambassador.**

Republic Day: The NSS Unit II, Girls volunteers actively participated in the celebrations and sung patriotic songs.

Welcome Republic Day Camp Volunteers: A group of Republic Day Camp Volunteers visited Taj Mahal at Agra on 28 Jan. 2016 was hosted and welcomed by the NSS Unit II, Girls volunteers under the supervision of Programme Officer Dr. Mridula Singhal.

ASHA Yatra of ManavEkta Mission: ASHA Yatraby Mr. Mumtaz Ali (M), Social Activist of ManavEkta Mission was hosted and welcomed by the NSS Unit II, Girls volunteers under the supervision of Programme Officer Dr. Mridula Singhal on 29 Jan. 2016. The NSS Unit II, Girls volunteers participated in State Level Essay, Poster & Poem Competition by ManavEkta Mission and received certificates.

NSS Unit II (Girls) of RBS College celebrated and conducted a variety of programs and activities during the academic session 2016-17.

International Yoga Day: All NSS Unit II, Girls volunteers took active participation in the Yoga with the Programme Officer Dr. Mridula Singhal at University Guest House, Khandari Campus, Dr. B R Ambedkar University, Agra on 21 June 2016. The program was presided by Prof. Mohd. Muzammil, Vice Chancellor, Dr. BRA University, Agra. Dr. Ramvir Singh Chauhan,

Yogacharya Dr. R. K. S. Rathore, Mr. H. D. Shukla and other Programme Officers also witnessed the programme.

Tree Plantation: Trees are planted by the NSS Unit II, Girls volunteers in the college premises under Green UP Clean UP Campaign on 11 July 2016.

Independence Day: The NSS Unit II, Girls volunteers actively participated in the celebrations and sung patriotic songs in the college premises.

Workshop on Digital India: The NSS Unit II, Girls volunteers took active participation in the workshop on Digital India organized by Ministry of Electronics & Information Technology (GOI) on 27 Sept. 2016. The NSS Volunteers were also awarded with the Runner-up Trophy in the Skit Competition.

NSS Adventure Camp: NSS Unit II (Girls) volunteers Pratibha Singh & Vandana Khubchandani attended NSS Adventure Camp from 1-10 Oct. 2016 at Atal Bihari Vajpayee Institute of Mountaineering & Allied Sports, Manali, organized by Govt. of Himachal Pradesh.

Jan Chetna for Tribes: Mr. Pankaj Bhatia of Seva Sankalp Sansthan, Agra delivered lecture and showed documentary film of Vanvasi Kalyan Ashram to make awareness towards upliftment of Tribal of India on 25 Oct. 2016.

Youth Exchange Programme: A group of youth visited Taj Mahal at Agra on 8-9 Nov. 2016 from China & Bahrein and also from Sri Lanka on 19 Nov. 2016 were hosted and welcomed by the NSS Unit II, Girls volunteers under the supervision of Programme Officer Dr. Mridula Singhal.

World Diabetic Day: The NSS Unit II, Girls volunteers actively participated in the Diabetic Walk-Eyes on Diabetes on the occasion on 14 Nov. 2016.

Special Lecture on Financial Education and Awareness: This special lecture was delivered by Mr. Nitin Kulshretha, SEBI Resource Person and he also gave awareness by Power point presentation on the subject on 23 Nov. 2016.

General Knowledge Quiz on Swami Vivekananda's Life and Work: NSS Unit II, Girls volunteers actively participated in the Quiz organized at College on 11 Jan. 2017. Certificates & Medals were distributed to the participants on Youth Day on 12 Jan. 2017.

Voters' Awareness & Environmental Protection Week (11-17 Jan. 2017): The activities conducted during the week were cleaning the areas within and outside the college campus and cleaning of slum areas of Khandari, Agra. To mark the occasion a poster, essay, skit and debate competition was organized on voters' awareness & environment protection.

NSS National Youth Festival: NSS Unit II (Girls) volunteers Chandrika Singh & Anukriti Sharma attended NSS 21st National Youth Festival organized by Ministry of Youth Affairs & Sports, Govt. of India, from 12-16 Jan. 2017 at Rohtak, Haryana.

Honor Received: Programme Officer **Dr. Mridula Singhal** was honored by **NariRaksha Organization Agra** on **15 Feb. 2016** on account of **Women Upliftment, Education, Security & Welfare.**

(B) Details of Sports:-

College players participated in Senior National Tournaments

2012-2013

Anuj Rathi, MA Prev. (Gymnastics) Gulshan Kumar, BA I (Gymnastics)

2014-2015

Kumari Pratiksha Maurya B.A. I (Basketball) 2015-2016

Kumari Pratiksha Maurya B.A. II (Badminton) 2016-2017

Kumari Pratiksha Maurya B.A. III

Achievement in All India Inter University

Mr. Anuj Rathi, MA prev. won a bronze medal

Achievement in Inter College Tournament

2012-2013

Basketball Tournament (M) – Runners up

2013-2014

Basketball Tournament (M) – Winner

Table Tennis (M) – Winner

Badminton (M) – Runner

2014-2015

Basketball Tournament (M) – Winner

Badminton (M) – Runner

Football (M) – Winner

2015-2016

Basketball Tournament (M) – Winner

Basketball Tournament (W) – Winner

Badminton (M) – Runner

Football (M) – Runner

2016-2017

Basketball Tournament (M) – Winner

Basketball Tournament (W) – Winner

Football (M) – Winner

Table Tennis (M) – Winner

Cricket (M) – Runner

Players and Games:

Sr. No.	Player/Games	2012-2013	2013-2014	2014-2015	2015-2016
1	Badminton (M)	Anuj kapoor. B. Com II Naresh Sharma	Anuj kapoor. B.com III	Anuj kapoor. M.Com P.	Anuj kapoor. M.Com .F Shikhar Bhaudauriya, B.com II

		B.A II			
2	Basketball (M)	Chandra Prakash, B.Sc III Gaurav chaudhary B.A II Brij Mohan, B.A I	Deepak singh, M.A.pre Shubham kumar ,M.A.Pre Ranjeet singh, B.A.I Akash singh, B.A. I Sandeep pratap singh, B.AI-	Deepak singh, M.A. P Shubham kumar, M.Com. P Ranjeet singh,B.A.II Akash singh, B.A II Sandeep pratap singh, B.AII Aman gupta .B.ScII Ashish verma, M.Com (P) -Richa parasar,B.AII -Pratiksha, B.AI	Deepak singh, M.A.F Shubham kumar, M.Com.F Ranjeet singh, B.A.II Aman gupta. B.Sc. III Ashish verma, M.Com. F Pankaj Kumar, M.Com. F
	B. Ball(W)		-Pragya,M.A.F		Richa Parasar, B.A III Pratiksha maurya, B.A III Sherya,sawarna, B,C,A I Madhu, B.A I Priya. B.Com. I
3	Chess	Mahesh Kumar, B.Com II Sumit Kumar, B.A II		Akshay Arora, B,Sc. III	
4	Cricket	Praveen kumar, B.AI	praveen kumar B.AII Tarun singh,M.A pre. Rahul, B.A. I	Praveen Kumar B.A III Tarun Singh,M.A.F Rahul, B.A. II Lokeshpachauri B.Com. I	Rahul, B.A. III Deepak shakya, B.Com III
5	Gymnastic	Anuj rathi, M.A. P Gulshan			

		kumar B.A I			
6	Kabaddi	Pavitra kumar, B.Com III			
7	Kho.Kho	Kshitij parmar, B.Sc.(Ag) 4			
8	Table.tennis	Himanshu Agrwal, B.Sc. II	Himanshu Agrawal, B.Com III Akash, B.Com III Mihir Mudgal, B.A III		
9	Cross country (m)		Santosh Kumar, B.A I Ravi Dixit, B.A III		
10	Football (m)		Amit Bhatia, B.Com III Ashish kumar, B.A III Pramod Singh, Bora, B.A. III Mohit Kapri, B.A. I Abhishek Sharma, B.Com. I	Gyasuddin, B.A. I Abhi Sirohi, B.A II Tavi sirohi B. Com II Gopal singh, B.A. I Ashish kumar, M.A. P.	Gopal singh, B.A I Ashish kumar , M.A.F Abhi sirohi, B.A II Ashish kuamr , M.A.F Shikhar Bhadauriya, B.Com II Prabhat bhadauriya , B.Com I
	Boxing		Lalit Kumar, B.Com III	Lalit Kumar, B.Com III	
	Handball		Deepak singh. M.A. P		Rajat Pratap Singh tomar, B.Com III Aman gupta, B.Sc III
	Hockey		Mahendra singh, B.com III Shahid ali, B.A. III	Gurmeet singh B.Com II Deepak kumar, B.A I	

			Gurmeet singh B.Com I		
	Volleyball			Nishant, B.Com. II	

Sports Champion:-

Sr. no	Boys/Girls / Manager	2012-2013	2013-2014	2014-2015	2015-2016
1	Boys	Munendra kumar B.A-I	Munendra kumar B.A-II	Anil kumar yadav, B.A.-II	B.P.Singh Yadav, B.A.-II
2	Girls	Reena kumara M.A.(P)	Miss. Himani. B.Sc.-I	Miss. Himani. B.sc.II	Miss. Himani. B.Sc.-III

(C) Rovers/Rangers Activities

Rovers/Rangers crew was established in 1994 in our college. Our college team got first prize in state level meet held at Allahabad. Our college team also won first prize at university level meet organized in our college in 1996 led by Dr. Jawahar Singh Dhakre. Later on our college team won various prizes at state as well as national level meets regularly. Basic leader course programme was also organized by R.B.S. College in 1997 in which 25 lecturers from various universities got training. Later on university level meets were successfully organized by our college from 2003 to 2008. Our college got aid of Rs 20,000 from education director and Rs, 40,000 from Dr .B.R. Ambedkar University.

Currently four groups of rovers/rangers are registered in our colleges which are being trained time to time.

State level Rovers/Rangers Meet 2016:

Uttar Pradesh state level inter university meet was organized in Government women PG college, Gazipur from 1st March 2016 to 3rd March 2016. 8 Rovers and 6 Rangers from our college had participated in this meet and won various prizes in different activities. These students were nominated for governor as well as president medal.

336th National Bravery Programme:

336th Bharat Scout and Guide National Bravery Programme was held on 16 December 2015 to 22 December at Panchmadi, Madhya Pradesh. 4 Rovers and 2 Rangers had participated in this program. Total 395 Scouts, Rovers and Rangers had participated in this meet.

18th International Bravery Programme 2016:

18th Bharat Scout and Guide international Bravery Programme was held on 2 February 2016 to 8 February 2016 at Pachmadi, Madhya Pradesh. Sushil Kumar and Mayank Verma these two rovers of R.B.S. College had participated in this. Students from 22 states and Bangladesh were taken part in this meet.

Dr.B.R Ambedkar University, Inter college meet 2016:

B. S. A. College Mathura organized Dr.B.R. Ambedkar University Inter college rovers/rangers level meet from 21 February 2016 to 23 February 2016.6 rovers team and 5 rangers teams from different college had taken part in this meet.24 rovers and 19 rangers from our college took part in this meet and got overall third prize.

State level Rovers/Rangers Meet 2017:

State level rovers/rangers meet 2017 has been organized by Agra college from 22 February 2017 to 24 February 2017.Rovers team Sushil Kumar, Prem Shankar, Anoop Kumar,Boby, Ramesh Pratap Singh,Nirmal Kumar, Ravi Kumar and Rupendra are taking part in this meet. Rangers team is comprised from Ravita Kumari, Lavi Goyal,Tamishtha Thakur,Pragati Chauhan,Vertika Singh.R.B.S, College team is being leaded By Dr.Basant Bahadur Singh,shri Vijay Singh Ranga and Sarita Kumari. Our team performed well in this meet.

University Level meet 2017:

This meet was organized by St.John College on 28 January 2017 and 29 January 2017.23 college teams took part in this meet.our college rovers team got overall second and our college rangers team won overall third prize.

7 days' advance training programme was held in D.S College, Aligarh. **Dr Basant Bahadur Singh, R.B.S.College Agra was awarded with best rover's leader in this programme.**

(D) NATIONAL CADET CORPS

National Cadet Corps of Infantry Senior Division was re-started in this institution from 5th May ,1986; since then the performance of this sub-unit 6/2 corp is flourishing all round up to National and State level every year.It has 160 boys and 35 girls.

Apart from the activities performed by the cadets 38 cadets have been selected successfully in the Armed Forces as commissioned officers in Army, Air Force, Navy, Armed Forces Medical college, B.S.F. Coast Guard, C.I.S.F. and other different Para Military Forces. 09 Cadets have been commissioned as officers in NCC itself, and they are serving in different institutions. Thousands of Cadets are selected in Army, Air Force, Navy, Para Military forces, Police etc. as Jawans to serve the nation.

At National level activities the top most activity is the Prime Minister Rally Camp and Republic Day Parade, at New Delhi, Youth Exchange Programme to give the exposure to our cadets in foreign countries, thal sainik camp at New Delhi and Para Jumping Camp at Agra ; Our cadets participate in all these four activities.

In recent years the list of participated cadets are as follows:-

Sr. No.		Name		Year
01	SUO	Nihkil Pal Singh	RDC, New Delhi	2016
02	SUO	Sandeep Pratap Singh	TSC, New Delhi	2017
03	SUO	Manish Chaudhary	TSC, New Delhi	2017
04	SUO	Ashok Yadav	Para Trooping Army	2014
05	SGT	Pradeep Kumar	RDC	2015

Every year our cadets participate in Inter-Group Competition camp at State level. These cadets who participated in the activities last year are - Shubham Kumar, Vishnu Kumar, Arun Kumar, Manish Chaudhary, Arjun Singh, Gaurav Chauhan, Abhishek Chaudhary, Ashique Khan and many more.

In other state Level Organized Camps, like – National Integration Camp, Trekking Camp. Army Attachment Camp, Attachment to Indian Military Academy, Dehradun, Mountainering Camp, Manali. Rock Climbing Camp, at Gwalior. Naval Cruise at Kerala etc. Our Cadets participated in all the activities.

Every year in N.C.C. Examinations the of 'C' certificate result is always very high in the Agra group. Last year the percentage group was only 20%, but cadets of our institution passed this examination. In 'B' certificate Examination the pass percentage was 85%

The **N.C.C. Officer Maj (Dr.) Yadhuvir Singh Chauhan** was awarded at **National level by Director General Commendation Award** in 1996 at New Delhi.

The list of selected Cadets as commissioned Officers in Armed Force as below:-

Sr. No.	Name	
1	Richa Singh	I.A.F.
2	Vijay Panwar	OTA
3	Abhishek Bhadauriya	OTA
4	Pawan Dixit	OTA
5	Praveen Chaudhary	NDA
6	Alok Agarwal	Relience Industries
7	Jitendra Singh	Relience Industries
8	Prashant Sisodia	IMA

Our Cadet SUU Vijay Vir Singh was Commissiond in B.S.F. as Asstt. Commandant. He **sacrificed his life on duty** in Bihar.

Many of our Cadets now hold very senior posts in Defence Forces. They visit to the college, encourage and guide the present cadets in after working their career planning.

Our ex cadet Mr. **Prashant Srivastava**, who has settled in USA, in a multinational company, has established the “N.C.C. Cadets Library” and Ex Cadets Association.

Our ex cadet **Sandesh Shandilya** is a well established Music Director in Mumbai has been very helpful in the upliftment of the cadets and is actively united in guiding and motivating the cadets.

Many other cadets who have settled abroad – like Cdt. Vibhav Shukla, in Dubai are very active in promoting the ex NCC Cadets association for the welfare of existing Cadets.

5.3.2 Furnish the details of major student achievements in Co-curricular, extra-curricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

CULTURAL AND LITERARY ACTIVITIES REPORT

Session-2015-16

WINNERS AT A GLANCE

Sr. No.	EVENTS	POSITION	CLASS	NAME OF THE PARTICIPANTS
1	UNIFEST-2015. Dr. B.R.A. Univ. Agra	Overall IInd position		
A	Classical Vocal (Solo)	Ist	M.A. (P)	Rahul Niveria
B	Light Vocal Indian	Ist	M.A. (P)	Rahul Niveria
C	Classical Instrumental (Solo) (Non-percussion) Taal Vadhy	Ist	M.Com. (P)	Bhanu Pratap Singh
D	Poetry Recitation	Ist	B.Ed.	Ruchi Sharma
E	Classical Dance (Solo)	IIInd	M.Com. (P)	Karishma Kashyap
F	Rangoli	IIInd	M.Com.(P)	Vishal Sharma
G	Elocution	IIInd	B.Ed. I	Ravi Kuamr
H	Mono Acting	IIIrd	M.Com.	Shubham Singh Jakhad
I	Mimicry	IIIrd	B.A. –I	Manish Kumar
2.	Inter college debate competition organized by D.D.M. College, Firozabad	Ist	B.Sc.- III B.Ed. - I	Juhi Tiwari Ravi Kumar
3.	G.D.V.M., Ram Bagh Inter College Cultural competition	Overall - I Position		
A	Rangoli	Ist	B.Ed. - I	Rubal Sagar
B	Painting	Ist	B.Ed. - I	Vaishali Suryanshi
C	Short Play	I	B.Ed. - I	Ravi Kumar, Suraj Yadav, Govind Sharma, Ratnesh Dubey, Deepak

D	G.K.	I	B.Ed. - I	Dilip kumar
E	Short Play	II	B.A.-I B.A.-II M.Com (P) B.A.-III M.A.-(P)	Manish Kumar Harendra Kumar Shubham Singh Ashish Sharma Rakhi Saini
F	G.K.	IIInd	B.Ed. - I	Umesh Chauhan
G	Painting	IIIrd	B.Ed. - I	Krishna Sharma
H	G.K.	IIIrd	B.Ed. - I	Avinash
I	Rangoli	Consolation	B.Ed. - I	Vaishali
J	G.K.	Consolation	B.Ed.	Atulya Gautam and Ram lakhan
4.	North Zone inter-University Youth Festival			
A.	Classical Singing (solo)	IIIrd	M.A. (P)	Rahul Niveria
B.	Mimic	IIIrd	M.A. (P) B.Sc. – III B.A.-I	Shubham Singh Juhi Tiwari Manish
5.	MIRAS-2016-Annual Cultural Festival of Jamia Miliya Islamiya, New Delhi. Sugham Gayan	I	M.A. (P)	Rahul Niveria
6.	SAMVEG-2016- State level youth festival organized by D.D.U. Univ. Gorakhpur	Overall our university stood II		
A.	Classical Instrumental (solo)	Ist	M.Com. (P)	Bhanu Pratap Singh
B.	Group Dance	Ist	M.Com. (P) B.A.-II	Karishma Kashyap Priyanka
C.	Classical Vocal (solo)	II	M.A. (P)	Rahul Niveria
D.	Light Vocal	IIInd	M.A. (P)	Rahul Niveria
E.	Mimicry	IIInd	M.Com. (P) B.Sc.-III B.A.-I	Shubham Jakhad Juhi Tiwari Manish kumar
F.	Skit	IIInd	M.Com. (P) B.Sc.-III B.A.-I B.Com.-III	Shubham Jakhad Juhi Tiwari Manish Kumar Chirag upadhyay
G.	Group Song	IIIrd	M.A.-(P) M.Com.(P) B.Com.-III	Rahul Niveria Bhanu Pratap Singh Chirag Upadhyay
7	Pratibha Samman Samaroh- Dr. B.R.A. Univ., Agra	Cash Prizes and	M.Com.-(P) B.A. (I)	Shubham Jakhad, Manish Kumar,

		Momentous by Vice Chancellor	M.A. (P) M.Com.(P) B.Com.-III M.Com.(P) B.A.-II B.Sc.- III B.Com.-II B.A.-II	Rahul Niveria, Bhanu Pratap Singh, Chirag Upadhyay, Karishma Singh Kashyap, Priyanka, Juhi Tiwari, Aaradhana Singh, Ritu Saini.
--	--	------------------------------------	---	--

CULTURAL AND LITERARY ACTIVITIES REPORT

Session-2016-17

WINNERS AT A GLANCE

Sr. No.	EVENTS	POSITION	CLASS	NAME OF THE PARTICIPANTS
01 (a)	Inter-Institutional Hindi Competition, D.E.I., Agra	Ist	M.Com. (F) M.A. (F) B.A.-III, B.A.-II, B.Com.-III M.A. (F) M.Com.(F) B.Com.-III B.A.-III	Shubham Singh Jakhad Rakhi Saini, Ritu Saini, Manish Kumar, Shivam Gupta, Rahul Niveria, Bhanu Pratap Singh, Ayush Gupta, Harendra Singh
B	Best Actor	Ist	M.Com. (F)	Shubham Singh Jakhad
c.	Best Actress	Ist	M.A. (F)	Rakhi Saini
D	Best Director	Ist	Ex. Student	Dr. Vijay Sharma
e	Best Stage Decoration	Ist	Eco. Department	Dr. Pratima Gupta
2	UNIFEST-2016-Dr. B.R.A. Univ., Agra	Overall Ist 64 points		
a	Classical Vocal (solo)	Ist	M.A. (F)	Rahul Niveria
B	Classical Instrumental (solo) (percussion) Taal Visdhyia	Ist	M.Com.(F)	Shubham Singh Jakhad
c	Classical Instrumental (solo) (Non-percussion) Taal Visdhyia	Ist	M.Com. (F)	Bhanu Pratap Singh
D	Light Vocal (India)	Ist	M.A. -(F)	Rahul Niveria

e.	Seminar	Ist	B.Ed.	Ravi Kumar
f	Mimic	Ist	M.Com.(F) M.A. (F)	Shubham Singh Jakhad Rakhi Saini
G	Rangoli	Ist	M.Com. (F)	Vishal Sharma
i	Mimcry	Ist	B.A.-II	Manish Kumar
j	Folk Singing (solo)	IIInd	M.A.(F)	Akansha Sharma
k	Classical solo dance	IIInd	M.Com. (F)	Karishma Kashyap
l	Quiz	IIInd	B.Ed.	Jagmohan Singh
m	Poetry Recitation	IIInd	M.Sc. (P)	Juhi Tiwari
n	Hindi debate	IIInd	B.Ed.	Ravi Kumar
O	Mono Acting	IIInd	M.Com. (F)	Shubham Singh Jakhad
P	Hindi debate	IIIrd	M.Sc. (P)	Juhi Tiwari
Q	Elocution	IIIrd	B.Ed.	Ravi Kumar
R	Western Vocal (solo)	IIIrd	M.Com. (P)	Chirag Upadhyay
3.	District level cultural competition by youth welfare department U.P. Govt.			
a.	Harmonium (light)	Ist	M.A. (F)	Rahul Niveria
b.	Tabla Vadan	Ist	M.Com.(F)	Bhanu Pratap Singh
c.	Extempore talk	Ist	M.Sc. (P)	Juhi Tiwari
d.	Classical Vocal	Ist	M.A.(F)	Rahul Niveria
e.	Guitar vadan	Ist	M.Com. (F)	Shubham Singh Jakhad
f.	Classical Dance	Ist	M.Com. (F)	Karishma Kashyap
g.	Folk Dance (group)	Ist	M.Com.(F) B.Com.-III B.A.-III M.Com-(F) M.A.(F) M.A.(F) B.Com-III B.A.-III M.Sc.(P) M.A.(P) M.A.(P) M.A.(F) B.Com.-III M.A.(F) B.A.-III	Karishma Kashyap Shivam Gupta, Harendra Singh, Bhanu Pratap Singh Rahul Niveria, Akansha Sharma Deepshikha, Ritu Saini, Juhi Tiwari, Jyoti, Poonam Kalpana, Rajkumari, Aaradhana Singh, Rakhi Saini, Priyanka

h.	Folk Singing (group)	IIInd	M.Com.(F) M.A.(F) M.Sc.(P) M.Com.(P) B.A.-III B.Com.(III) M.Com.(F) M.A.(F) M.A.(F) B.Com.(III) B.A.(III)	Bhanu Pratap Singh Rahul Niveria Juhi Tiwari, Chirag Upadhyay Harendra Singh Shivam Gupta Shubham Singh Jakhad Babita Saini Akansha Sharma Deepshikha Ritu Saini
4	Division or Mandal level competition by youth welfare department of U.P. Govt.			
a.	Harmonium (light)	Ist	M.A. (F)	Rahul Niveria
b.	Tabla Vadan	Ist	M.Com.(F)	Bhanu Pratap Singh
c.	Extempore talk	Ist	M.Sc. (P)	Juhi Tiwari
d.	Classical Vocal	Ist	M.A.(F)	Rahul Niveria
e.	Guitar vadan	Ist	M.Com. (F)	Shubham Singh Jakhad
f.	Classical Dance	Ist	M.Com. (F)	Karishma Kashyap
g.	Folk Dance (group)	Ist	M.Com.(F) B.Com.-III B.A.-III M.Com-(F) M.A.(F) M.A.(F) B.Com-III B.A.-III M.Sc.(P) M.A.(P) M.A.(P) M.A.(P) M.A.(F) B.Com.-III M.A.(F) B.A.-III	Karishma Kashyap, Shivam Gupta, Harendra Singh, Bhanu Pratap Singh, Rahul Niveria, Akansha Sharma, Deepshikha, Ritu Saini, Juhi Tiwari, Jyoti, Poonam Kalpana, Rajkumari, Aaradhana Singh, Rakhi Saini, Priyanka
5.	Essay writing competition	XI in Agra Distt.	M.Com(F)	Shubham Singh Jakhad

6.	State Level Youth Festival at JBP Rohilkhand University, Bareilly. (a) Classical Vocal (Solo) (b) Classical Instrumental (Solo) (c) Hindi Debate (d) Rangoli	Overall First Position for the University I I II III	M.A. (F) M.Com (F) M.Sc. (P) M.Com (F)	Rahul Niveria Bhanu Pratap Singh Ms. Juhi Tiwari Vishal Sharma
7.	Seth Achal Singh Memorial Inter Collegiate Debate Competition Organised by B.D. Jain Degree College, Agra	I	B.Ed. I Year M.Sc. (P)	Ms. Abida Parveen Ms. Juhi Tiwari

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The college administration interacts with the students and teachers personally for feedback. Suggestions are invited to improve the quality of the institution both inside and outside the class. Valuable suggestions are implemented by the authorities. This mechanism ensures the growth and development of the Institution. Direct Communication is done with Principal for solving the problems by staff and the students communicate to their teachers proctorial board or directly to Principal.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The institution publishes an annual magazine, 'Jigyasa' almost every year in which it publishes poetry, prose, essays, jokes, reports by the students. The postgraduate students and Research scholars are encouraged to write research papers in journal published by the college "Journal of Scientific Agricultural Research." Few calendars and cards on biodiversity are published by Dr. Kaushal Pratap Singh under DST Project on Rajat Jayanti Vigyan Sanchar Fellow Award. A website on "Crop

diseases causing pathogens” has also been developed by Dr. Kaushal Pratap Singh under the above project award.

**5.3.5 Does the college have a Student Council or any similar body?
Give details on its selection, constitution, activities and funding.**

Student Council is at university level in which candidates are elected by students of the university.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

There is student's representation in IQAC of the college. Students organize fresher's and farewell parties on their own and organize student excursion tours.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The college has an alumni association. The institute invites former faculty members and alumni to events like National/International Conferences, founder's Day, Sports Meet and Annual Function. They are also invited as resource person to the respective department to enrich the students and teachers with their valuable knowledge.

Criterion VI: INSTITUTIONAL VISION AND LEADERSHIP

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision of the institution:

"To be committed to the pursuit of excellence in higher education, character building, holistic development of personality and knowledgeable citizenship."

Mission of the institution:

A. To keep abreast with innovation frontiers of education, knowledge, research and development for mentoring rural and urban students, so as to serve society in a better way.

B. To Create, Generate and Disseminate Quality Education and provide State of Art Infrastructure in Research, Instrumentation, Demonstrations and Advisory to Students and Farmers for Career Settlement and development.

C.To bestow preservative attitude towards inherited, tangible and incredible prodigious heritage and culture in the students of future eras.

D.To inculcate discipline, confidence, creativity, scientific temper, morality, intellect and self realization to attain paradigms of success in life.

The Vision, Mission and Motto are displayed in the Campus and Website, as Well. All the Campuses designed their own Objectives, Mission and Vision as per requirement of the Students.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The Top Management is committed to create, operate and maintain physical infrastructures faculty and other resources in a manner that ensures delivery of quality education. The top management defines the scopes and gives direction to the activities in alignment with the vision and mission of the institute.

PRINCIPAL OF THE COLLEGE:

Principal of the college has overall responsibility of direction and control of all academic and administrative activities involved in delivery of quality education. The Principal provides academic leadership by providing various opportunities for the faculties and students to develop by way of organizing FDP (Faculty Development Programmes) and SDP (Student Development Programmes). The Principal is appointed by The Higher Education Commission, Allahabad or by virtue of seniority and works in alliance with the Management, Teachers, Other staff and Students.

H.O.D.:- The primary role of HOD is to oversee the regular conduct of classes according to the timetable. HOD plans, encourages and guides departmental works. He holds departmental discussions on various recent aspects. His role is to organise panel discussions, talks, seminars, etc. for the faculty development and student development so as to improve the competency of teacher and students.

FACULTY:

The Faculty Members are competent and work hard to give their best to students. They keep their students update with latest educational government policies in different fields leading to their holistic development and. for example:

- Our education faculty trains upcoming teachers with all latest innovative teaching tools applicable to different educational levels.
- Department of Economics and department of Applied Business Economics have been holding panel discussions and lectures on current affairs viz., GST, demonetization, annual budget, financial education and awareness research methodology etc. for other departments and students.
- Science Faculties and Geography department tries to give practical exposure to their students by organizing tours to different central labs and places.

There are various committees to execute the policies in the college. The composition of various committees is given in table **6.1**.

6.1.3 What is the involvement of the leadership in ensuring: the policy statements and action plans for fulfilment of the stated mission?

The Management holds 2-3 meetings in a year with the Principal, board members and teacher's representatives to develop annual action plan and budget for various developmental activities. The implementation report of action is presented and reviewed for progress in leadership meetings.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The Principal Constitutes the administrative support committees for successful execution & monitoring of the plans.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

College believes in participative management. The academic leadership is provided to all the HODs and further to all faculty members by delegating decision making power to contribute their bit to achieve mission and goals. Roles and responsibilities are delegated to all the members of faculty under various committees.

This decentralized based responsibilities and decision making are provided for the betterment of administration.

Following are the core committees to implement the policies and decision of leadership. These committees submit annual progress reports for preparation of AQAR and preparation of future Institutional Development Plan (IDP).

- a) Cultural
- b) Sports
- c) Magazine
- d) Research and Development
- e) NAAC
- f) Admission
- g) Examination committee
- h) Library
- i) Alumni
- j) Hostel Warden
- k) Beautification,ISR/Green initiatives committee
- l) Discipline /Grievance Redressal and Anti Ragging Task Force (Agra Campus)
- m) Discipline/Grievance Redressal and Anti Ragging Task Force (Bichpuri Campus)
- n) Sexual Harassment Unit & Women's Cell
- o) Career Counselling and Placement Cell
- p) Health Centre
- q) Canteen
- r) S.C./S.T. & Equal Opportunity Cell
- s) R.T.I. Cell
- t) N.R.I./Overseas Cell
- u) RUSA

- v) AISHE
- w) Student welfare

6.1.6 How does the college groom leadership at various levels?

The College adopts participative management model. Under this model of the college Principal provides operational autonomy to committees and HODs of various departments.

HODs take utmost care of regular conduct of classes. Various committees look after various co-curricular, extracurricular activities and discipline of the college. All departments and committees work in alignment with each other for better functioning of the college.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

Yes, the college promotes a culture of participative administration/management in which faculty member, staff, students at all levels are encouraged to contribute their ideas and view points to achieve the objectives and goals/ missions of the college. Principal of the college regularly holds meetings with the departments and various committees and discusses issues for the effective management and implementation of various plans and policies formulated for the up gradation of the college.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

Yes, college promotes a culture of participative management. Various committees are formulated like discipline, governing body consisting of member of faculties, research advisory board, NAAC committee, IQAC committee, Cultural committee, RUSA committees, UGC committees and many other committees. Principal of the college before implementing any idea brings it before the respective committee for feedback and suggestion. Final action plan is discussed and then implemented.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Various committees are formed every year for implementation of policies related to quality improvement. The various committees are follows:-

Table: 6.1

Name of the Committees	Patron/Convener	Members
IQAC Committee	Dr. Anupam Goel, Principal/Chairman Dr. Ramvir Singh Chauhan, Sr. Administrative Officer	Dr. Seema Bhadauria Coordinator Dr. B. P. Singh Dr. Kripa Shanker Singh Dr. Vinod Kumar Dr. Anju Jain Dr. Manukant Shastri Dr. G.C. Saxena External Expert Dr. R.P. Yadav External Expert Dr. Sudha Saxena Community Representative Dr. R.K.S. Rathore Alumni Dr. Vijay Pratap Singh Management Representative Surbhi Tiwari Student Representative Prachi Singh Student Representative Tanu Sisodia Student Representative Mr. Puran Dawar Industrialist Shri Rajiv Jain Technical Staff
NAAC Committee	Dr. Ramvir Singh, Chauhan	Dr. B.P. Singh (Agronomy) Dr. A.K. Gautam Dr. Manukant Shastri Dr. Kripa Shankar Singh Dr. Seema Bhadauria Dr. Anupama Singh Dr. Anju Jain Dr. Vinod Kumar Sh. Prem Shankar Tiwari Dr. Pratima Gupta
Construction,water,electricity and Maintenance Committee (Agra Campus, Agra)	Dr. Ramvir Singh Chauhan	Dr. Siddharth Dr. A.K. Raghav Dr. Basant Bahadur Singh
Construction,water,electricity and Maintenance Committee (Bichpuri Campus,	Dr. B.P. Singh(Agronomy)	Dr. Jhilmil Gupta Dr. Rakesh Kumar Kulshreshtha

Bichpuri)		
Cultural Committee	Dr. Manukant Shastri	Dr. Anju Jain Dr. Vandana Saxena Dr. Laxman Singh Dr. Saroj Singh Chahar Dr. Pratima Gupta Dr. Poonam Tiwari
Magazine Committee	Dr. Anupam Goel, Patron Dr. Basant Bahadur Singh, Chief Editor	Dr. Arun Kumar Raghav, Editor Dr. Arun Pratap Singh Dr. Rashmi Shandiyal Dr. Shramveer Singh Kushwah Dr. Mridula Kulshreshtha Dr. Pratima Gupta Dr. Jyotsana Sharma
Library Advisory Committee (Raja Surya Pal Singh Library, Agra Campus)	Dr. Anupam Goel, Patron Dr. Gopendra Singh, Librarian	Dr. Manukant Shastri, (Incharge) Dr. Kalpana Dr. Amita
Library Advisory Committee (Jawahar Library, Bichpuri Campus)	Dr. Anupam Goel. Patron Dr. Gopendra Singh, Librarian	Dr. Laxman Singh, (Incharge) Dr. Saumya Sharma Sh. Prem Shankar Tiwari
Research Advisory Board	Dr. Anupam Goel Chairman	Dr. B.P. Singh Dr. R.V.S. Chauhan Dr. Seema Bhadauria Dr. Laxman Singh Dr. Yogesh Kumar Dr. Birbal Singh External Member Dr. Rajesh Dhakrey External Member Dr. Vibha Satsangi External Member
Discipline Committee (Agra Campus, Agra)	Dr. Yuvraj Singh, Chief Proctor	Dr. K.P. Singh (Botany), Proctor Dr. Kalpana Dr. Kripa Shankar Singh Dr. Ajay Kumar (Physics) Dr. Omhari Arya Sh. Prem Shankar Tiwari Dr. Pushpendra Singh Dr. Nishant Chauhan Dr. Anand Parashar Dr. Ajay Rajawat Dr. Poonam Tiwari
Discipline Committee (Bichpuri Campus, Bichpuri)	Dr. U.N. Singh, Chief Proctor	Dr. Ranvijay Singh, Proctor Dr. Pawan Kumar Singh Dr. Laxman Singh Dr. Sant Bahadur Singh

		Dr. Jhilmil Gupta Dr. Deepak Chhonkar
Sports Committee	Dr. Anupam Goel, Principal/Chairman	Dr. D. K. Singh, Secretary Dr. U. N. Singh Dr. Manukant Shastri Dr. Anupama Singh Dr. Prem Shankar Tiwari Dr. Pushpendra Singh
Exam. Committee	Dr. Sanjay Misra Examination Coordinator Dr. Prem Shankar Tiwari, S.S. (Morning) Dr. Vandana Saxena S.S. (Noon) Dr. Piyush Arora S.S. (Evening)	Dr. Madhu Bala, A.S. (Morning) Dr. Pratima Gupta, A.S. (Morning) Dr. Saroj Singh Chahar, A.S. (Noon) Dr. Digvijay Singh, A.S. (noon) Dr. Punita Rani Maheshwari A.S. (Evening) Dr. Shailendra Raghav A.S. (Evening)
Alumni Committee	Dr. Anupam Goel (Patron)	Dr. K.P. Singh (Botany), Secretary
Hostel Committee (Agra Campus, Agra)	Dr. Arun Kumar Singh, Dean	Dr. Udai Pal Singh, Block II Dr. Omhari Arya, Block-III Sh. Prashant Singh Bhadauriya, Block –IV Dr. Surekha Tomar, Girls Hostel
Hostel Committee (Bichpuri Campus, Bichpuri)	Dr. Gautam Dutt, Dean	Dr. D.V. Singh, P.G. Hostel Dr. Shiv Kumar Singh, P.G. Hostel
Admission Committee (Arts)	Dr. Surendra Pal Singh	Dr. Arun Kumar Raghav (Co-convenor) Dr. Saumya Sharma Dr. Poonam Tiwari Dr. Jyotsana Sharma Dr. Kajal Bansal
Admission Committee (Commerce)	Dr. Siddhartha	Dr. Ranjan Porwal (Co-convenor) Dr. Mridula Singhal Dr. Maninder Kaur
Admission Committee (Science-Bio, Bot.-Zool.- Chem., Seed Technology)	Dr. Rajeev Shukla	Dr. Kamal Singh (Co-convenor) Dr. Devesh Kumar Dr. Mahesh Singh Khirwar Dr. Sanjay Kumar Dixit
Admission Committee	Dr. Ramvir Singh	Dr. Manju Sharma

(Science- Math & Stat.)	Chauhan	(Co-convener) Dr. Surekha Tomar Dr. Sunil Kumar
Admission Committee (B.Sc. Ag.)	Dr. Sant Bahadur Singh	Dr. Gautam Dutt (Co-convener) Dr. Yogesh Singh Dr. Brajesh Kumar Dr. Vishwanath Dr. M. L. Bhaskar
Admission Committee (B.B.A./B.C.A.)	Dr. Manukant Shastri	Dr. Anand Parashar (Co-convener)
Admission Committee (M.Sc. Ag.) Non Self-Finance	Dr. B. P. Singh	Dr. K. P. Singh (A.H. & Dairying) (Co-convener) Dr. U. N. Singh Dr. Prathvi Singh Dr. A. P. Singh Dr. Brajesh Kumar
Admission Committee (M.Sc. Ag.) Self-Finance	Dr. Prathvi Singh	Dr. Shiv Kumar Singh (Co-convener) Dr. P. K. Upadhyay
Admission Committee (M.Sc. Biotechnology) Self-Finance	Dr. R. K. Verma	Dr. Shivendra Singh (Co-convener) Dr. Shipra Shukla
Admission Committee (M.Sc. Seed Technology) Self-Finance	Dr. Seema Bhadauria	Dr. Sanjay Kumar Singh (Co-convener) Dr. Udai Pal Singh
Grievance Redressal and Anti Ragging Task Force (Agra Campus)	Dr. Anupam Goel Principal/Patron Dr. Yuvraj Singh	Dr. K.P. Singh, (Botany) Co-Convener Dr. Kalpana Dr. Vinod Kumar Dr. Anupama Singh Dr. Sanjeev Pal Singh Dr. Basant Bahadur Singh Dr. Pushpendra Singh Dr. Nishant Chauhan Dr. Anil Kumar
Grievance Redressal and Anti Ragging Task Force (Bichpuri Campus)	Dr. Anupam Goel Principal/Patron Dr. U.N. Singh,	Dr. Ranvijay Singh Co-Convener Dr. Prem Prakash Singh Dr. Laxman Singh Dr. Rajeev Kumar(Dairying) Dr. Sant Bahadur Singh Dr. Madan Lal Bhaskar
Sexual Harassment Unit & Women's Cell	Dr. Anju Jain,	Dr. Rashmi Shandilya Dr. Saroj Chahar
Career Counselling and Placement Cell	Dr. Vinod Sharma	Dr. U.N. Singh Dr. Laxman Singh

		Dr. Devesh Kumar Dr. Tripti Singh Dr. Arvind Kumar
Health Centre	Dr. Arvind Jain	Dr. Veena Singh Sh. Dinesh kumar, Compounder Sh. Rakesh Kumar, Compounder
Canteen	Dr. D.K. Singh	Dr. Rajveer Singh Dr. Bhimsen Dr. Pushpendra Singh Sh. Raj Kumar Singh
Security	Dr.A.K.Singh(Bot)	Sh.Vikram Singh
Beautification / Green Initiatives / ISR Committee	Dr. Seema Bhadauria (Agra) Dr.Vishwanath(Bichpuri)	Dr.Anju Jain Dr.Sanjay Dixit Dr.Udaipal Singh Dr.Maninder Kaur Dr.P.K.Upadhaya (Bichpuri) Dr.Shilpi Bansal(KVK,Bichpuri) Dr.S.K.Singh(KVK,Awagarh)
Cleanliness Committee	Dr.S.P.Madnawat(Agra) Dr.Manoj Pandey(Bichpuri)	Dr.Vinod Kumar Dr.A.K.Raghav Dr.Rajveer Singh Dr.Yuvraj Singh Dr.Ravindra Kumar Dr.Mahesh Singh Khirwar Dr.Anand parashar Dr.Sanjay Singh Dr.Shivendra Singh Dr.Yogesh Singh(Bichpuri) Dr.Than Singh(Bichpuri) Dr.Vijay Kumar Sharma (Bichpur
S.C./S.T. & Equal Opportunity Cell	Dr. Omhari Arya	Dr. Madhu Bala Dr. Devesh Kumar
R.T.I. Cell	Mr. Vikram Singh Chauhan	Mr. Rajeev Jain Mr. Suresh Kumar
N.R.I./Overseas Cell	Dr. Sanjay Mishra	Dr. Vandana Saxena
RUSA	Dr. Anupam Goel	Dr.Ramvir Singh Dr.Vinod Kumar Dr. Kripa Shankar Singh Dr. Seema Bhadauria
AISHE	Dr. Anupam Goel	Dr.Ramvir Singh Dr.Vinod Kumar Dr. Kripa Shankar Singh Dr. Seema Bhadauria Sri.Prem Shankar Tiwari

Different Committees take care of the task assigned to the Meetings are called regularly to review the policies and their functioning. Decisions are taken collectively by the convener and the members of the committee to bring out qualitative change in their respective fields.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan?

Various departmental policies are designed by the governing bodies from time to time to ensure the quality education including development of the students and faculty members. Different development and various committees of the College are empowered enough to design development plans and policies, since our college management believes in participative management, these policies and developments plans are implemented after discussing with governing authorities .

6.2.3 Describe the internal organizational structure and decision making processes.

Internal organizational structure and mechanism has been explained in the figure in point -1.1.2

6.2.4 Give a broad description of the quality improvement strategies of the Institution for each of the following

The quality improvement strategies of the institution:

Teaching and Learning

(1) To organize Conferences, Faculty development programs, SERC School, training programmes and workshops for quality improvement in the field of teaching-(ref: 3.1.6).

Some of them are listed below:-

- (2) To provide leave and permission for allowing the faculty to attend seminar/conferences/courses/trainings at national and international level. *(Separate List of seminar attended by staff is mentioned in the evaluative report of departments).*
- (3) Long term leave (LWP) is also accepted for faculty development for Professorship, high credit Assignment, Principal ship or any other higher state

government authority. Member, UPHES Commission, UP Public Service Commission etc.:-

- (i) Dr. Jitendra Chauhan of Agriculture Extension has joined as Advisor to Union Agriculture Minister and Professor at College of Post graduate Studies, Central Agriculture University, Imphal (Meghalaya) on leave.
- (ii) Dr. Pankaj Mishra has joined as Principal Scientist at Vivekanand Parvatiya Anusandhan Kendra, Almora. Many more Faculties Dr. Vipin Agarwal, Dr. Anil Kumar Singh, Dr. Anil Kumar etc. availed this facility.

Research & Development

The Management has provided very good environment for research and facilitates the scientists in the institution for their hard efforts. The scientists are supported with infrastructure, Library, Farms and other amenities. The outcome has established following milestones:-

1. The institution has Seismological and Space Research lab and sponsored by Department of Science & Technology New Delhi and Ministry of Earth Science.
2. The Research Activities and achievement has made our institute the first DSIR approved College in India.
3. The high quality of research is appreciated by the Management board comprising of Ex- Vice Chancellors of various universities.
4. This institution is the only institution in India which is granted two Krishi Vigyan Kendras (KVK) and 4 All India Co-ordinated research projects by ICAR, New Delhi.
5. All India Co-ordinated Research Project on the cost of cultivation runs under Ministry of Agriculture and gives direct input to the government on fixing of cost per acre of cultivating different crops in India.
6. College has completed about 30 Projects in last 10 years.
7. More than 30 technologies have been developed in the institution and some of them are transferred to farmers & other related beneficiaries.

Community Engagement

1. The NCC, NSS, Rover Ranger organizes several camps involving community and students with due consent of college controllers & related officers on issues like health and hygiene, Tree Plantation, Women empowerment, Civic Awareness, teaching children of nearby Slums, organizing blood donation camps, creating awareness on energy conservation, water conservation etc.
2. Various seminars / workshops are organized by the college on social issues in collaboration with non-governmental organizations.

3. Various faculties of the college are conducting social activities with some NGO'S of the society like-
- (i) SOS (Soldiers of Society) which is imparting training to auto drivers with the aim to make Agra city a tourist friendly place and thus improve the economy of Agra.
 - (ii) KAP (Khandari Attitude Parivartan) To Make Khandari (Surrounding area of R B S College) Polythene free, Promote cleanliness in the area by providing shopkeepers dustbins, involving the residents of Khandari and training them about energy conservation, water conservation and waste management.
 - (iii) Annapurna Project: Providing prepared food to people of lower strata. This is done by placing second hand fridge on the ground floor of different apartments of khandari. Residents of the apartment keep their surplus prepared food in the fridge. Food kept in the fridge is consumed on the same day by the guards, drivers and domestic helpers of the apartment.

Human Resource Management

- 1. The students of the institution participate in camps, cultural activities , academic seminars and conferences.
- 2. Students also adopt villages under RAWE scheme and get trained for similar types of higher level job profile.

Industry Interaction

- 1. BBA, BCA MBA, Engineering students make regular visit to various industries. Students are also enrolled for internship as intern trainee.
- 2. There is campus placement facility also in seed technology department, Bio tech, Agronomy etc.
- 3. The seed technology departments of the institute are associated with seed companies like Mahendra Seed Company, Mayhco, Krishna, Ankur etc.

Some of the companies are as follows:-

- 1. Vantage Seed Pvt Ltd (New Delhi)
- 2. Mahyco Seeds Ltd. (Maharashtra)
- 3. Bio seed India Ltd. (Hyderabad)
- 4. Sakura Seeds Corp. (Bangalore)
- 5. Duflora Agri. Products Pvt. Ltd. (Hyderabad)
- 6. Syngenta India Ltd.
- 7. Krishna Seeds Pvt. Ltd. (Hyderabad)
- 8. R.K. Seeds Farm, Solan (H.P.)
- 9. Advanta India Pvt. Ltd.
- 10. Monsanto Holding Pvt. Ltd.
- 11. Maharana Seed Pvt. Ltd., Mathura
- 12. Godavari Hybrid Seed (Hyderabad)
- 13. Vibha Seed Pvt Ltd. (Hyderabad)

4. Some industries have industrial collaboration with our institutional scientist under various research projects e.g. M/s Bio link Overseas Co., Robonix Pvt. Ltd., Native Concepts, Aquatech Ltd Japan etc are having collaboration with Dr. Seema Bhadauria (Botany Department).

6.2.3 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

Every year a proposal is submitted to UGC / DSIR / MHRD for technical and financial assistance under various programmes. For this purpose yearly report on following aspects are collected by the committees under Principal's guidance : (a) Paper's published, (b) Seminars / Conferences, workshop, etc attended, (c) Books Published, (d) Courses Attended, (e) Honors / Awards Received etc. The faculty individually submits filled Performa with documentary Proofs which serve as a feedback tool with adequate information. This information is made available to the management by the Principal. There is another mode for reviewing the activities i.e. through IQAC. This IQAC has a stakeholder in the committee which is representative of stakeholder community.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

1. This institution has Top Management belonging to the Awagarh estate of 'Jadaun clan' of Rajputana Dynasty; Raja Balwant Singh is the founder of the college and also founder of "Akhil Bhartiya Kshatriya Mahasabha". The Management plays an important role in such ventures/activities that enhance credibility of the academic and cultural life of the college. The faculty members are encouraged for participating and organizing seminars, workshops, conferences research work. The feedback is given to the various committees to improve their performance. The institution in consultation with the Principal facilitates staff members, students for their contribution in enhancing institutions credibility.
2. The institution believes in participative management of both academic and non academic activities. The institution delegates all the responsibility of the activities to different committees and chain of command.
3. The Management provides the required facilities like fund for maintenance, repair, beautification etc.

6.2.7 Enumerate the resolutions made by the Management Council in the

last year and the status of implementation of such resolutions.

The management holds meetings with Principal, Heads of the department conveners of various committees and events from time to time for effective and efficient implantation of perspective plan of actions. Resolutions are made in technical learning, quality of education, infrastructure improvement enrichment of the students, upliftment of the community and the society.

Some of the resolutions made by the management in the last years are:-

- (1) Acceptance of transfers of teachers from different colleges of UP
- (2) Construction of society office.
- (3) New Building for BBA & BCA.
- (4) Approval of finance for items required for NAAC visit etc.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Institution has no plan for autonomy.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

The institution ensures that all the Complaints & grievances are promptly attended to and resolved effectively. The institute has a fully functional discipline committee to attend and resolve grievances and complaint. Remedial actions are taken according to the gravity and severity of the problem. An initial enquiry is set up the by the respective committee and Principal. The enquiry provides report to the Principal along with corrective and preventive actions. The Principal takes the necessary action as suggested by the enquiry committee.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

There are few Court Cases that are pending in Hon'ble High Court, Allahabad. They are as under :

1. Writ – A/45646/2011 (Agra)
2. Writ – A/47968/2011 (Agra)
3. Writ – A/67888/2011 (Agra)
4. Writ – A/11639/2011 (Agra)
5. Writ – C/45135/2014 (Agra)
6. Writ No. 15152/2012
7. Writ No. 48564/2008
8. Writ No. 15676/2011

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Periodic feedback is taken from students by way of group discussion or group interaction. The feedback data is analysed by the Principal along with nominated faculty members and enables the institution to retain the best practices and to identify the area where improvement is required.

Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

Faculty empowerment programmes are continuously running as per their own requirements and institutional requirements.

1. EDUCATION:

Faculty undergoes refreshers, orientation, trainings, workshops and brain storming sessions for enriching and empowering themselves

2. ADMINISTRATION:

Faculty is assigned various duties under various administrative committees and are empowered to take decisions in consultation with the Principal.

3. LEADERSHIP:

Our institution has a teacher association which has its own governing body elected every year by the teachers members .The main mandate is to solve teachers related problems in the institution, university, state and national level. Present Teachers' Representatives and office bearers among the teaching staff at the University and state level associations of teachers like **AUTA** (Dr. Bhim Rao Ambedkar University Teachers' Association, Agra) and **FUPUCTA** (Federation of U.P. University College Teachers' Association) are as follows:-

- **Dr. Arun Kumar Singh** (Department of Botany): General Secretary, AUTA 2011-2014 and 2014 – till date
- **Dr. Sanjay Kumar Misra** (Department of English): Joint Secretary, AUTA, 2011- 2014 and 2014 – till date
- **Dr. Nishant Chauhan** (Department of Chemistry): Joint Secretary, AUTA, 2014 – till date
- **Dr. Rajiv Shukla** (Department of Chemistry): FUPUCTA Delegate and Member, Executive Committee, AUTA, 2014 – till date

- **Dr. Pushpendra Singh** (Department of Economics): Vice-President, AUTA, 2011- 2014 and 2014 – till date
- **Dr. Ajay Kumar Singh (Department of Physics)**: Member, Executive Committee, AUTA, 2014- till date
- **Dr. Yuv Raj Singh** (Department of Hindi): Member, Executive Committee, AUTA, 2011-2014 and 2014- till date
- **Dr. Digvijay Singh** (Department of English): Member, Executive Committee, AUTA, 2014- till date
- **Dr. Ranjit Singh** Vice president FUPUCTA (Federation of U.P. University College Teachers' Association)

Dr. Dharam Pal Singh of our college has been elected twice as **MLA** from Dayalbagh & Etmadpur constituencies of Agra District from 2007 onward.

4. DISSEMINATION:

Faculties are involved in career counselling, motivation, research guidance, innovation, skilled developments for our students, farmers and society as well through Technology Information Centre KVKs and departments.

Welfare Schemes available for teaching and non-teaching staff:-

As per U.P Government rule, there is no welfare scheme or LTC benefits to the staff members of the college. Further emergency medical Support has not been instituted in the colleges of Uttar Pradesh. The Teaching and Non Teaching Staff Members are only entitled to be GPF and HRA.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

Refer 6.3.1

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

No, such provision is not there.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

None

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

There is no welfare scheme in the college.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The institution provides infrastructural facilities and invites eminent faculty Guest Lecturers in the department. Dr. Birbal Singh, eminent scientist in Physics department has been retained in R. B. S. Engineering Technical Campus as Professor in Electronics and Telecommunication. He is working as Emeritus Scientist. Many retired eminent faculty members are appointed under UP Government Mandai Scheme.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The institution has an annual budget which is prepared by Assistant Accountant and approved by Principal and Management. Departmental budget is sanctioned during the annual budget meeting. The department spends the sanctioned amount on the routine items that are purchased every year. Separate books of accounts are maintained for fees and grants. Internal and external statutory audits are done by the college. The month wise salary bills, prepared by the college, are maintained by the State Government. The approval letters for UGC grants are maintained and utilization certificates are being sent regularly. Proper stock registers for the furniture, equipment, books, etc are maintained by the college office departments, library, etc. Proper purchase procedures are followed for the purchase of equipments, books, stationary, and furniture. The requisitions for the purchases from various departments are received in the college office. Quotations from different suppliers are invited and appropriate committee makes the recommendations for the purchase after comparing the price.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Internal auditor & Assistant accountant work throughout the year.

External audit is done at the end of the financial year.

Last audit was done on 31/3/16. Frequent audit by government agencies also take place. There is an institutional mechanism for internal and external audit. After audit, the report is sent to the management for review. In addition to this, the institution is having consultants to give opinion on taxation & legal matters.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of receipts are:

- Grants from state Government and central Government.
- UGC Grants.
- Fees from students.
- Funds generated from self-financing courses.
- Rental Income
- If there is any deficit in the budget then it is financed through Donations.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Additional income is generated through below mention modes:-

1. Offering the infrastructure of the institution as Examination Centre for various competitive examinations such as B.Ed. entrance, CPMT, SSC, examinations of institution of chartered Accountants of India and various Bank examinations. Entrance test of DRDO, (CEPTAM) etc.
2. College serves as the Nodal Centre for the various University examinations and thus generates additional revenue.
3. Some income is generated from agricultural farms of the college.
4. Staffs submit research proposals development proposals and infrastructural maintenance proposals to state and central government to seek additional funds.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the Institute has establishment the IQAC cell in 2010 to address the quality related matters of the college. The IQAC is established to raise the institution capabilities to higher levels and make continuous efforts to improve the academic and cultural life of the college. The Institute believes in imparting quality education to the students, including moral values in the students and helping them in becoming a responsible citizen.

The objectives are achieved by following actions:

- (i) Maintaining and upgrading in the library.
- (ii) Motivating the staff to attend conferences/seminars/Workshops at national and international level.
- (iii) Regularly hold talks on various important topics by inviting eminent speakers.
- (iv) Facilitates creation of necessary environment and backup services for undertaking research and consultation assignments.

Following are the members of IQAC:-

- | | |
|--|------------------------------|
| 1. Dr. Anupam Goel, Principal | - Chairman |
| 2. Dr. Ramvir Singh Chauhan, Assoc. Prof., Physics | -Sr. Administrative Officer |
| 3. Dr. Seema Bhadauria, Assoc. Prof., Botany | - Coordinator |
| 4. Dr. Brenda Pal Singh, Assoc. Prof., Agronomy | - Member |
| 5. Dr. Kripa Shankar Singh, Assoc. Prof., Physics | -Member |
| 6. Dr. Vinod Kumar, Assoc. Prof.,Education | - Member |
| 7. Dr. Anju Jain , Assoc. Prof.,Economics | - Member |
| 8. Dr. Manukant Shastri, Assoc. Prof.,Commerce | - Member |
| 9. Dr. G.C. Saxena, Ex. V.C. Dr. BRA University | -External Expert |
| 10.Dr. R.P.Yadav, VC, Allahabad Univ.,Allahabad | - External Expert |
| 11.Dr. Sudha Saxena,NGO | - Community Representatives |
| 12.Dr. R.K.S. Rathore | - Alumni |
| 13.Dr. B.P. Singh | - Management Representatives |
| 14.Dr. Shurbhi Tiwari | - Student Representatives |
| 15.Dr. Prachi Singh | - Student Representatives |
| 16.Dr. Tanu Sisodia | - Student Representatives |
| 17.Sh. Puran Dawar | - Industrialists |
| 18.Dr. Rajeev Jain | - Technical Staff |

- b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?**

IQAC suggested a number of quality improvement measures from time to time. 75% of the Suggestions and recommendations of the IQAC are accepted and approved by the Management and Principal.

- c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

Yes, IQAC has members from outside the institution including experts from academia and stakeholders. The suggestions of external experts are included for improvement of academic process.

- (d) How do students and alumni contribute to the effective functioning of the IQAC?**

Students and alumni contribute to the effective functioning and improvement of the quality in the institute by providing constructive feedback.

- (e) How does the IQAC communicate and engage staff from different constituents of the institution?**

IQAC communicates and engages staff from different committees of the institution by conducting periodic meetings with them for the planning and implementation of quality enhancement measures. The decisions taken are communicated to the staff and students through in house meetings for effective execution.

- 6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.**

IQAC, NCC & NSS In - Charge, Sports committee, cultural Research advisory board and the Assistant Accountant, all work in coordination to enhance quality of Teaching, Research, Sports and other extracurricular activities. All decisions and observations are discussed with the Principal and Management of the institution for the necessary action to ensure quality enhancement. Institution seeks pride in the fact that it holds best practices in maintaining quality as a core value.

- 6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

Institute provides training to its staff through competent authorities within the institution and outside the institute. Such training programmes help them to update and develop themselves.

The nominated faculties by the Principal are sent to various workshops seminars and training programmes on IQAC, NAAC and RUSA organized by central and state governments at various places. e.g. Dr. K. K. Gaur, Dr. Ram Vir Singh, Dr. Kripa Shankar, Dr. Seema Bhadauria, Dr. Pratima Gupta had attended IQAC meeting at Dr. Ram Manohar Lohia National Law University, Lucknow. Dr. B.P. Singh and Dr. Manukant Shastri have attended a one day capacity building workshop organized by Agra College in October 2016.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Academic Audit of faculty members is done by Dr. B. R. Ambedkar University, Agra to which the college is affiliated. Teachers have to give their last 5 years achievement report in the areas of publications, courses, attended, conferences/ seminars attended, talks delivered or any other activity which had enhanced their skills under CAS (Career Advancement Scheme) for their Promotions based on API (Academic Performance indicators). The teachers promoted under CAS (Career Advancement Scheme) in last year are:-

Assistant Professor (From Grade Pay 6000 to 7000)

- Dr. Mahesh Singh Khirwar, Chemistry
- Dr. Yogesh Singh, Ag. Chemistry
- Dr. Manoj Pandey, Ag. Chemistry
- Dr. Brajesh Kumar, Horticulture
- Dr. Vishwanath, Horticulture
- Dr. Devesh Kumar, Botany
- Dr. Saroj Singh Chahar, Botany
- Dr. Madan Lal Bhaskar, AH & Dairying
- Dr. Madhu Bala, Psychology

Assistant Professor (From Grade Pay 7000 to 8000)

- Dr. Virendra Pratap Singh, AH & Dairying
- Dr. Om Hari Arya, Geography
- Dr. Basant Bahadur Singh, Education
- Dr. Rajnish Kunwar, DSST
- Dr. Partima Gupta, Economics
- Dr. Avinash Kumar Singh, Geography
- Shri Prem Shanker Tiwari, Geography
- Dr. Piyush Arora, Geography
- Shri Ravindra Kumar, Economics

- Dr. Rajvir Singh, Agronomy
- Dr. Lalit Mohan Sharma, Education
- Dr. Sunil kumar, Statistics
- Dr. Anil Kumar, Botany
- Dr. Sant Bahadur Singh, Agronomy
- Dr. Nishant Chauhan, Chemistry

Associate Professor (From Grade Pay 8000 to 9000)

- Dr. Basant Bahadur Singh, Education
- Dr. Rajnish Kunwar, DSST
- Dr. Pratima Gupta, Economics
- Dr. Avinash Kumar Singh, Geography
- Dr. Piyush Arora, Geography
- Shri Prem Shanker Tiwari, Geography
-

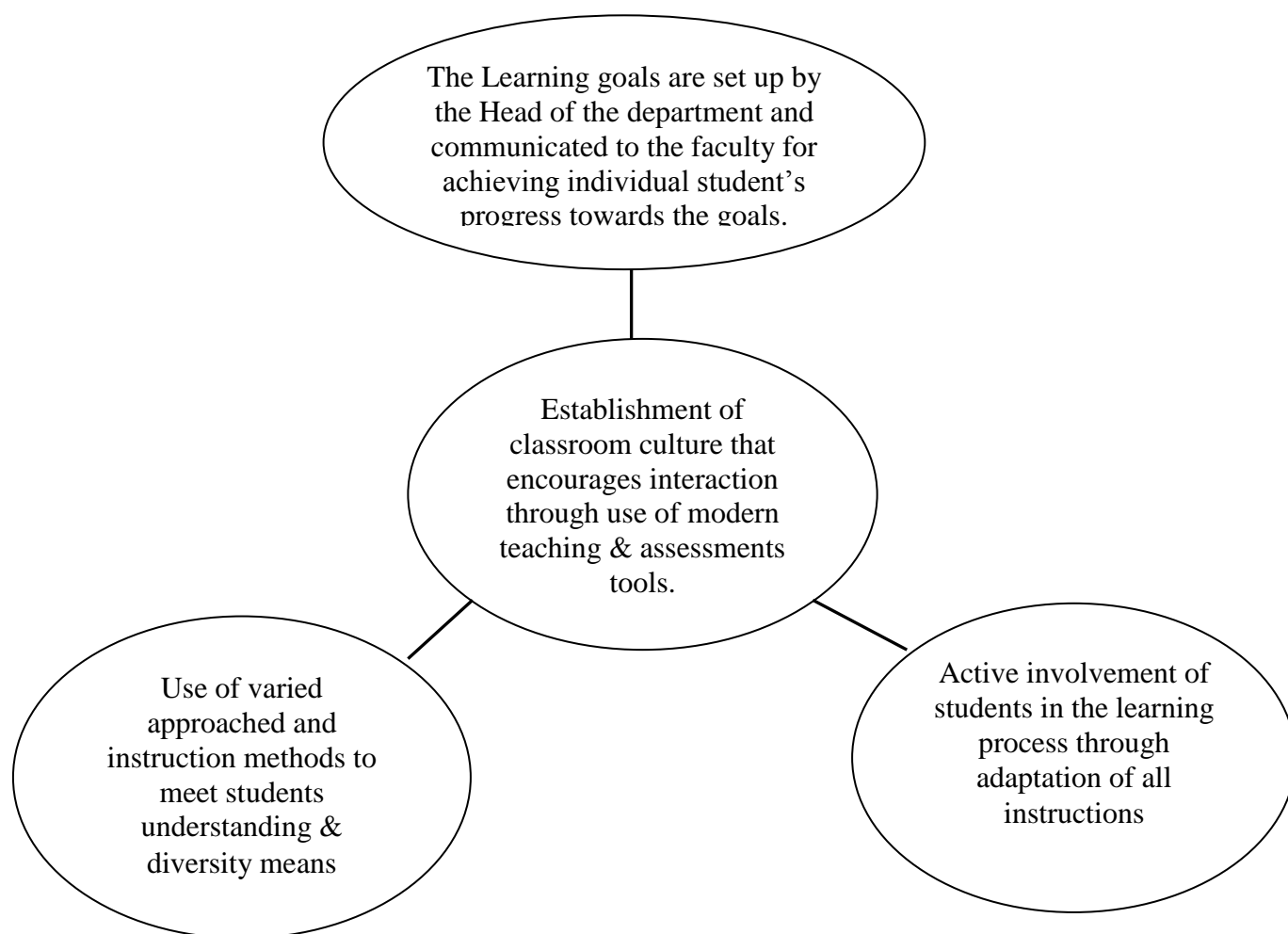
6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Internal quality assurance cell (IQAC) of the college takes due care to align or fulfil the requirement of the external quality assurance agencies (NAAC). College also abides by the rules and regulations of the UGC, affiliating University and the State Government for the implementation of good education practices.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The Institute has mechanism to continuously review teaching learning process which is as Follows:-

1. College adopts conventional as well as modern teaching learning practice by assessing active involvement of students in the learning process ascertained by their performance, understanding and adaptation.
2. Department heads take due care regarding the teaching of complete syllabus in due course of time.
3. Provide necessary support and guidance to pursue research works



Since the students are from rural background. Faculty has to put more efforts and time to make them learnable because of intense focus on quality of academic system and learning process.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Institution communicates its quality assurance policies, mechanisms and outcomes to internal and external stakeholders through the following ways:-

- i. Institution quality policy is reflected in its vision and mission. Vision & mission is communicated to internal & external stakeholders by displaying it at strategic locations in building and publicising it during the programmes held.
- ii. College website, magazine, college prospectus, and AQAR enumerate the progress of the college in various areas.

6.5.8 Any other relevant information regarding Governance, Leadership and Management which the college would like to include.

Nil

Criterion VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Partially yes, the institute knows the details about conducting green auditing. At present ecologists and environmentalists in Botany department, auditing experts in Commerce Faculty and economists in Economics department and Agriculturists in Agriculture faculty are sensitive towards this issue and feel that Institution is a potential candidate for green auditing and carbon crediting. Some of the major facilities under green auditing has been implemented - like Botanical garden, herbal garden, vermicomposting, waste management etc.

The campuses have heterogeneous plant community with more than 100 plant species and 50 species of plants in herbal garden in Pharmacy campus. The biomass of agricultural farms is converted to compost and vermicompost. Agriwaste is used for mushroom cultivation (Oyster) too. The sacred tree *Crataeva religiosa* (Varun) is growing in main campus. One Molshri tree was planted by our first President Dr. Rajendra Prasad in Bichpuri Campus.

The staff and students are conscious and they regularly plant saplings on 4 occasions in the year in the campus for maintaining green belt. We are richest in Neem and Karanj plants that bear seeds to produce biopesticides and biodiesel.

7.1.2 What are the initiatives taken by the college to make the campus Eco-friendly?

Energy conservation :

- Switching off the lights, fans and air conditioners is done when leaving the room.
- Purchase of energy efficient equipments when replacing old items.
- Staffs are educated about the importance and benefits of energy conservation.
- Workshop by Petroleum Conservation Research Association was conducted to create awareness regarding the energy consumption and optimizing the use of power/energy.

USE OF RENEWABLE ENERGY :

We strive for energy efficiency and sustainable resources as we all installing sustainable resources like solar energy pump in our administrative block and engineering campus. Botany department collects seeds of Karanj and Jatropha for biodiesel production and demonstrate to stakeholders. One project on Technology Development on conversion of potato and Petha waste into Bioethanol has been completed in Botany department. One biogas plant is developed by students of Department of Mechanical Engineering under the supervision of Dr. B. S. Kushwah.

Dr. B. S. Kushwah has also supervised the students of Mechanical Engineering to develop Solar Light which is working in the Campus.

Department of Chemical Engineering has solar water heater (200 l).

WATER HARVESTING :

- Initiative has been taken for water harvesting and water recharging under All India Coordinated project on Soil Salinity. The scientists Dr. S. K. Chauhan and Dr. R. B. Singh have demonstrated this model to many farmers and installed at village Odara in Bharatpur District and Savai in Agra District. There is provision of harvesting water in engineering campus.
- There are regular/periodic checkup of water supply system for leaks, and unnecessary flows.
- Educating staff about the importance and benefits of water conservation
- Creating awareness through workshop/lectures about the benefits and importance of water conservation in the society in association with Rotary club, SOS (Soldiers of Society), an NGO and NSS, NCC, R&R.
- The water discarded by the reverse osmosis water treatment plant is used for watering plants and trees in the institution.

Efforts for Carbon Neutrality:

- Plants play a vital role in drive towards a more achievable state of carbon neutrality. There are common nitrogen-fixers in the campus- *Gliricidia sp.*, *Leucaena sp.*, *Albizia sp.*, *Acacia sp.*, *Cassia sp.*, All campuses have a large green coverage which acts as a natural carbon sink and Carbon fixing plants - *Moringa oleifera*, *Bamboo etc.* Living plant matter absorbs CO₂ as part of photosynthesis, trees process significantly more than smaller plants due to their large size and extensive root structures. In essence, trees, as kings of the plant world, have much more “woody biomass” to store CO₂ than smaller plants, and as a result are considered nature’s most efficient “carbon sinks”. It is this characteristic which makes planting trees a form of climate change mitigation.
- Promotion of recycleable products like envelopes, proper utilization of paper by using the other side of discarded documents for internal communication.
- Educating staff for making the campus plastic free, minimizing the waste of paper etc.

- Promoting staff for regular pollution control checkups of their vehicles to restrict carbon emission.

PLANTATION :

- The college has lush green campus comprising of variety of trees and plants. New plants and saplings are planted every year.

Hazardous Waste Management :

- Waste bins are provided to all the departments. Classes, labs, offices and at different places of the campus.
- Vermicomposting is opted at Botanical Garden and campuses.

E-Waste Management:

- Electronics goods are put to optimum use.
- The non-working equipment and computer spare parts are sold to vendors for recycling and safe disposal.

7.2 INNOVATIONS :

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

At RBS College innovations are part of day to day routine as the college Management and Principal are open to new ideas, believe in participative management and delegate's authority, imbibe confidence in the college staff and faculty members. Innovations made in academic and related activities speak of the progress of the college in leaps and bounds. The details of innovation are as follows:

In Academics:

- Session catering to the employment needs are also held regularly in various departments with the help of professional trainers and the faculty members for the all round development of the students. Remedial classes have been initiated for weak students.

In Research:

- Training programmes in advanced scientific techniques and information are also regularly conducted since last three years to strengthen the research and analytical skills of the students.
- Over the past few years some of the faculty members in the departments have tied up with some international partners and collaborative research is

initiated in many upcoming research fields. The faculty members and research students are given an opportunity to make use of their facilities in terms of latest in instrumentation. Such collaborations with specialized and advanced facilities help students and faculty members to improve research quality. Joint publications are brought up in top quality international Journals.

- Some of the faculty members have obtained good funding by way of being sanctioned major research projects from agencies like Dept. of Biotechnology (DBT), Dept. of Science & Technology (DST) and UGC etc.
- DELNET services are provided in the library to facilitate research.

Evaluation-Examination:

- Internal assessment on the basis of discipline, initiatives, good behaviour, and punctuality in class, timely execution of all the assignments and performance in the midterm test has been introduced as an innovative practice and to improve upon the performance of the students.

Sports Facilities & Infrastructure:

- An indoor sports centre has been constructed for indoor games.
- Surveillance cameras have been installed at many strategic locations.
- Solar panel & water harvesting system are some of the new additions.

Student Support Services:

Host of activities to cater to all the academic, social, psychological and intellectual needs of the students have been organized. Setting up of Counselling Cell, Women Empowerment Cell, Career Counselling Cell, Anti-ragging Cell are some of the initiatives, which have been taken up.

SOCIAL RESPONSIBILITY / EXTENSION PROJECT:

Institute also focuses on creating socially responsible leaders. Socially responsible citizens are known to have better self understanding and personal integrity. They work to contribute to a community beyond themselves- locally, nationally and globally. They consistently strive for self improvement and higher standards, and through their actions and words they effectively inspire others to do the same. Some of them are- **Dr. Dharam Pal Singh had been the Member of Legislative Assembly and Dr. Atar Singh had been the Member of Legislative Assembly.**

The faculty members of the institute are involved in social projects which are as follows :

- 1- "Soldiers of Society" (SOS) it was initiated in 2014 to train and guide auto drivers on hospitality and hygiene so that they may act as a goodwill ambassadors of the city; further they will act as change agents. These change agents are also provided with legal and medical supports.
- 2- "Khandari Attitude Parivartan" (KAP) was initiated in co-ordination with HIMCS (Farah) to create awareness regarding cleanliness, avoiding use of polythene, placing of dustbin, systematic parking of vehicles, with the help of shopkeepers and residents of the Khandari area.
- 3- Annapurna project was initiated to utilize surplus foods of the residents. In this project second hand refrigerators are installed at the common place on the ground floor of the apartment. Residents having prepared surplus food can keep the food in the fridge which can be utilized by the apartment guards, drivers, domestic helpers and also street beggars.
- 4- One of the most effective ways to prepare students to be more responsible leaders is to give them opportunities to get engaged in their communities. Department of Economics has initiated anti tobacco drive and has developed an Ayurvedic alternate of gutka / tobacco. More than thousand citizens of the city have left tobacco due to this drive. The name of the Ayurvedic alternate developed is "vikalp"

Goal: The aim of this drive is to make Agra Tobacco Free.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality Improvement of the core activities of the college.

Best Practice - 1

1. Title of the Practice : Development and Transfer of Technologies

2. Goals/Objectives of the Practices:

- a. To promote innovations
- b. To develop products and processes
- c. To transfer technologies to users

3. The Context : Creating new products for the society through application of science, technology and creativeness is an important aspect for

a successful institution .Practising such constructive attitude solves societal problems and give strength and fame to the innovators and institute.**This practice serves as base for MAKE-IN-INDIA.**

4. The Practice:

a.The Institution regularly motivates school/college science and agric drop outs, women and others. The farmers to adopt soil and water testing practices for balanced fertilizer application. Dr. Seema Bhadauria and her team has **developed non-electronic and electronic Soil Testing Kit and mini lab based on color development for rural areas with the financial support of Department of science and Technology, New Delhi and 10% of Biolink Overseas Company, Agra. It is supplemented with Soil Health Card and Fertilizer recommendations. (Patented) which is manufactured by M/s Biolink Overseas Company.**

The Institution demonstrated and trained the beneficiaries of three districts viz., Mainpuri, Firozabad and Agra for using on-site soil testing kit (FerticheckTM Soil testing Kit-developed by the team with the financial support of DST-<http://dst.gov.in> and under patenting by TIFAC) themselves independently and deriving fertilizer recommendations for high chemical input crops-potato and vegetables(Tomato, Cauliflower, cabbage ,Capsicum, Lady finger and Brinjal).

The Institution also trained the 81 potential Intermediate and college drops students of science and agriculture for generating self employment by working as soil test service providers to rest of the farmers by charging @ Rs. 25/-per sample for soil testing and Rs. 15/- for fertilizer recommendation.

b. Developed bioremediation technology for black crust removal from stone surfaces and patented. The number is IPR/ 4.19.2/ 09007/ 2009 dated 4 May 2009.The Institution has INTERNATIONAL COLLABORATIVE PROJECTS with Italian government on cleaning of cultural heritage and materials by bioremediation technology and nanotechnology. Technology transfer to PIDILITE Company (In-Process).

c. Developed sandwich technology on Bioremediation of Heavy Metals pollution by biosequestration and simultaneous Biosynthesis of Nanoparticles of silver, gold, lead and copper and their characterization and their antimicrobial efficiency (Applied Patent).

d. Developed cost effective technology on Bioethanol production from wastes (Potato & petha) under DST project and showcased the technology to get rid of enormous petha waste in Agra city and potato wastes from numerous cold storages near Agra.

- e. Developed nanoherbal drug against drug resistant microbial pathogens
- f. Developed nanoherbal bandages for healing wounds using Aloe vera, nanosilver and cotton bandage.
- g. The petha waste management through vermi technology has been used by 300 beneficiaries in Agra, Mathura and Mainpuri districts out of which 2 women and 7 men are still commercial producers of vermicompost and vermiculture. The Institution has especially designed a Vermiculture system (Mobile)

5. Evidence of Success:

a. The innovation was highly appreciated by our Ex. President Prof. A. P. J. Abdul Kalam in National Children Science Congress, Hon'ble Ex. Science and Technology Minister Kapil Sibbal, Ex. Agriculture Minister Shri Sharad Pawar, U.P. CM, Shri Akhilesh Yadav, Chhattisgarh Agriculture Minister Shri Brij Mohan Agarwal and The Secretary Dr. Ramasami in parliament session, Rashtriya Kisan mela, FICCI- global Innovation summit, PIB address and National Award was conferred on Technology Day 2011 by Ministers and The Secretary Dr. Ramasami. Due to this soil testing kit, adding fertilizer unjudiciously in soil causing pollution has been limited by following soil recommendation given in the soil testing kit. This also helps in maintenance of soil health by using soil health card. This innovation is widely used all over the country for implementation of Prime Minister's SOIL HEALTH CARD MISSION. It was displayed on Hello Kisan Channel of DD on technology day this year by Ex. Advisor and Head IDP programme of DST -Dr. Laxman Prasad.

b. A novel and cost effective protocol for black crust removal with the help of Organic deposits cleaning bacteria and Multani Mitti is the incredible contribution in the field of Indian heritage conservation.

c. Applied nano Ca(OH)_2 and nanosilicon dioxide on biodeteriorated walls of Awagarh Fort, St. John's College, Circuit house and Aligarh Muslim University for its cleaning and conservation for 20 years with Japanese scientists.

6. Problems Encountered and Resources Required: Basic amenities for research were required along with proper maintenance of equipments.

7. Contact Details: Dr. A K Singh and Dr. Seema Bhadauria

Botany Department, RBS College, Agra

Ph: 9837235353

PRACTICE-2 :**1.Title of the Practice : Initiatives on Extension of****Technologies:-****2. Goals/Objectives:** a. Lab to Land

b. Technology Information and advisory

3. The context: Transfer of new technologies and information broadcasting / Advisory in society is mandatory and institution should try its best to be communicable through all modes of communication .Our college is best in extension activities and performing societal responsibility

4.The Practice: In addition to our practices on point numbers 3.4, 5.3.1 the Institute also focuses on creating socially responsible leaders. Socially responsible citizens are known to have better self understanding and personal integrity. They work to contribute to a community beyond themselves- locally, nationally and globally. They consistently strive for self improvement and higher standards, and through their actions and words they effectively inspire others to do the same

The faculty members of institute are running social projects which are as follows:

- 1- "Soldiers of Society" (SOS) it was initiated in 2014 to train and guide auto drivers on hospitality and hygiene so that they may act as a goodwill ambassadors of the city; further they will act as change agents. These change agents are also provided with legal and medical supports.
- 2- "Khandari Attitude Pariwarta" (KAP) was initiated in co-ordination with HIMCS (Farah) to create awareness regarding cleanliness, avoiding use of polythene, placing of dustbin, systematic parking of vehicles, with the help of shopkeepers and residents of the khandari area.
- 3- Annapurna project was initiated to utilize surplus foods of the residents. In this project second hand refrigerators are installed at the common place on the ground floor of the apartment. Residents having prepared surplus food can keep the food in the fridge which can be utilized by the apartment guards, drivers, domestic helpers and also street beggars.

5. Evidence of Success: Certificates ,Recognitions, publications((A). An AICRPDA Contribution : Improved Agronomic Practices For Rain fed Crops In India (B) RAINFED FARMING – "A compendium of Doable Technology" .AICRPDA & central Research Institute For Dry land Agriculture ,Hyderabad (C) . "Crop Based Contingency Planning For South-West Semi-Arid Zone Of Uttar Pradesh "AICRPDA ,centre Agra and Awards in the field of research,societal activities(NSS,NCC,Rovers and Rangers,Cultural) **and publications in daily newspapers, books, journals, AIR talks,impact assessment.**

6.Problems Encountered and Resources Required: Field work needs conveyance, motivators,subject experts ,websites,ICT details.These are not very easy to own and retain.

7.Contact: Principal,RBS College,rbscagra_2007@rediffmail.com

3. Evaluative Report of the Departments

DEPARTMENT OF BOTANY

1. Name of the Department : **BOTANY**
2. Year of Establishment : **UG : 1940**
PG : 1947
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Sc.)**
PG (M. Sc.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **Seed Technology (UG & PG)**
Biotechnology (PG)
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments :
➤ **Seed Technology and Biotechnology are self-finance courses under administrative control of Head of Botany Department and Head of the Zoology Department respectively and utilize some of the relevant resources. Students opt Seed Technology as one subject in place of Zoology in UG course.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
➤ **PG in Biochemistry from Uttar Pradesh Rajarshi Tandon Open University, Allahabad under DEC programme.**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	03
Assistant Professors	7	03

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. A. K. Singh	M. Sc., Ph.D.	Associate Professor	Genetics and Plant Breeding, Ecology, Taxonomy	29	5/20
Dr. K.P. Singh	M. Sc., Ph.D.	Associate Professor	Reproductive Biology, Biodiversity	29	6/25
Dr. Seema Bhadauria	M. Sc., Ph. D.	Associate Professor	Microbiology, Biotechnology, Pathology, Environment	25	7/40
Dr. Anil Kumar	M. Sc., Ph. D.	Assistant Professor	Biotechnology	15	---
Dr. Devesh Kumar	M. Sc., Ph. D.	Assistant Professor	Plant Pathology and Molecular Biology	6	---
Dr. Saroj Singh Chahar	M. Sc., Ph. D.	Assistant Professor	Plant Pathology	5	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : 1. Dr. J. S. Dhakre
2. Dr. B. P. S. Chauhan
3. Dr. R. K. S. Rathore
4. Dr. Vijay Laxmi Singh
5. Prof. V. K. Agarwal
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Lectures – 5%
Practical – 10%
13. Student -Teacher Ratio (programme wise) : UG (Theory) – 120 : 1
UG (Practical) – 60 : 1
PG (Theory & Practical)– 40 : 1
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	2	2
Lab. Attendant	6	5

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc., Ph. D. - 06
NET - 02**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **Refer Annexure-02**

4 Minor projects are sanctioned by UGC, but grants are awaited. One Major DST project is ongoing. One PDF project sponsored by ICMR is also going on.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **01
Refer Annexure-03**
18. Research Centre /facility recognized by the University :

Department recognized as a research centre for Ph.D. & Post Doctoral Research by Dr. B. R. Ambedkar University, Agra, Dr. A. P. J. Kalam Technical University, Lucknow (Formerly known as UP technical University, Lucknow and Mahamaya Technical University, Noida) and DSIR, New Delhi and FIST –DST.

19. Publications : **Refer ANNEXURE - 04**

* a) Publication per faculty

Name	No. of Journals	No. of Papers in ISBN Books	No. of Books
Dr. A. K. Singh	03	----	---
Dr. K. P. Singh	13	---	02
Dr. Seema Bhadauria	40	12	01
Dr. Anil Kumar	05	---	---
Dr. Devesh Kumar	06	---	---
Dr. Saroj Singh Chahar	05	---	---
Total	72	12	03

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **72**
- * Number of publications listed in International Database (For Eg: Web of Science, : **51**

- Scopus, Humanities International
Complete, Dare Database - International
Social Sciences Directory, EBSCO host, etc.)
- * Monographs : **NIL**
 - * Chapter in Books : **15**
 - * Books Edited : **NIL**
 - * Books with ISBN/ISSN numbers with details of publishers : **NIL**
 - * Citation Index : **150**
 - * SNIP : **9.585 (2011)**
10.584 (2012)
10.419 (2013-14)
 - * SJR : **9.023 (2011) 8.712**
(2012)
7.958 (2013-14)
 - * Impact factor : **20.890**
 - * h-index : **07**
20. Areas of consultancy and income generated :
- **Dr. A.K. Singh provides consultancy to forest, horticulture and silviculture departments of Government on identification of plants free of cost.**
 - **Dr. Seema Bhadauria provides consultancy to NGOs and industries nagar nigam and farmers on microbes testing, pathogen identification, soil testing, waste management and organic farming. She has earned some income from industries. She has been paid by M/s Jai Shree Rasayan Ltd. For consultancy services.**
 - **Dr. Seema Bhadauria has been Mentor of Rajiv Gandhi vigyan sanchar fellow sponsored by DST with an honorarium of Rs.20,000/-**
21. Faculty as members in : **Refer ANNEXURE - 05**
- a) National committees :
 - b) International Committees :
 - c) Editorial Boards :
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **100% (All PG students)**
 - b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ : **30%**

Industry/ other agencies

A few of our research students have already secured permanent positions in some of the reputed Institutions of higher learning viz., Armed forces of India, Banks, Bundelkhand Univ. Jhansi, NBPGR, Shimla, Shikohabad, CIMAP Bhageshwar, UT, Guru Ghasidas College, W.B., Food Inspector, TERI, New Delhi ,CIRG, Farah, Mathura ,Pfizer, Chief Manager ,Ranbaxy, International Affair , MD H.C. Sci.& Tech., Mathura , R.B.S. College, Agra, Washington State Univ. Pullman, Penn State Hershey College of Medicine, Hershey, Pennsylvania, Emcure Pharmaceuticals Ltd, GE India, Kendriya vidyalaya, Aakash Educational Services Limited, JNKVV, Jabalpur, ICRISAT, Hyderabad , Dr. B. R. Ambedkar University, Agra etc..

22. Awards / Recognitions received by faculty and students

Dr.Seema Bhadauria

1.	National Award for Women Development through Application of Science and Technology **	Ministry of Science and Technology(Department of Science and Technology),New Delhi
----	--	--

****<http://dst.gov.in/science/national-sci-day11.htm>** On the initiative of this department, the Government of India had designated February 28th as the National Science Day, way back in 1986. On this day Dr. C.V Raman had announced the discovery of the celebrated “Raman Effect” for which he was awarded the 1930 Nobel Prize in Physics. On this occasion, theme based science communication activities are carried out all over the country. The Distribution of National Awards on Science & Technology Communication Function was organized on 28th February, 2011 at Raman Auditorium, Technology Bhawan, New Delhi. On this occasion, the **National Award for Women’s Development through application of Science & Technology is given to Dr. Seema Bhadauria, Agra (UP)**. On this occasion Shri Pawan Kumar Bansal, Hon’ble Minister for Science & Technology and Earth Sciences and Parliamentary Affairs has graced the occasion as a Chief Guest and this function was presided over by Shri Ashwani Kumar, Hon’ble Minister of State for Science & Technology, Earth Sciences, Planning & Parliamentary Affairs,Audience was also addressed by Dr. T. Ramasami, Secretary, DST.This Award consisted of one citation,One lakh cash award and one memento.

Student Awards :

1	Best Oral Award to co-author (Nitin Wahi)	2015	National Seminar on "Ethnobotany: Concept And Prospective"
2	Best Oral presentation and paper award to co-author (Nitin Wahi)	2016	2ndInternational Conference On NEW CHALLENGES IN BIOTECHNOLOGY AND MOLECULAR BIOLOGY IN THE CONTEXT OF 21 CENTURY organized by Indian Society of Genetics, Biotechnology Research & Development, Agra in association with St. John's College, Agra.

24. List of eminent academicians and scientists/: **Refer ANNEXURE - 06**
visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National -

(i) **Conservation, Cultivation and Sustainable Utilization of Medicinal Plants**
February 26-27, 2011. Sponsored by Department of Higher Education
Government of Uttar Pradesh.

(ii) **Conservation, Cultivation and Sustainable Utilization of Medicinal and**
Herbal Plants February. 25-26, 2012. Sponsored by UGC, New Delhi.

(iii) **Climate Change and Biodiversity: Present Status and Future Strategies**
3-4 March, 2013. Sponsored by Department of Higher Education
Government of Uttar Pradesh.

(iv) **Yamuna Water Pollution and its Control Measures: Present and Future**
Strategies. 30-31 March, 2014. Sponsored by Department of Higher
Education Government of Uttar Pradesh.

(v) **New Frontiers in Organic Farming for Sustainable Development of Indian**
Agriculture March 14-15, 2015. Sponsored by Department of Higher
Education Government of Uttar Pradesh.

(vi) **Waste Management and its Control Measures: Present and Future**
Strategies 27-28 February, 2016 Sponsored by Department of Higher
Education Government of Uttar Pradesh.

b) International - **Indo –Japan trilateral workshop on water ceramics for**
building conservation on 23rd March 2014.

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. Part - I	2016-17	680	222	92	130	
	2015-16		222			
	2014-15		211			
	2013-14		202			
	2012-13		200			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. Part - I	2016-17	158	48	10	38	
	2015-16		39			
	2014-15		33			
	2013-14		30			
	2012-13		39			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Part – I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Part – I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? : 7

1.	Sunil Pippal	UGC-NET
2.	Avinash Jain	UGC-NET
3.	Satendra Kumar Kaushal	UGC-NET
4.	Bharat Bhushan	UGC-NET
5.	Vishnu Sharma	UGC-NET
6.	Vishwajeet Singh Sisodia	ARS-NET
7.	Nitin Wahi	UGC-NET

29. Student progression

Student progression	Against % enrolled
UG to PG	90%
PG to M.Phil.	10%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	01 student
Employed	
· Campus selection	NIL
· Other than campus recruitment	Not determined
Entrepreneurship/Self-employment	Yes

30. Details of Infrastructural facilities

- a) Library : Departmental and Central
(No. of books in the department library is 500 and 2500 books in both Central Library)
- b) Internet facilities for Staff & Students : Wi-Fi connection available
- c) Class rooms with ICT facility : YES
- d) Laboratories and others : UG, PG and Research level Laboratories are available, Fram, Botanical Garden, Equipments, Herbarium, Culture collection, Mushroom cultivation, Plant & soil clinic.

31. Number of students receiving financial assistance from college, university, government or other agencies :

1. Post Matric Scholarship

2. Five students received from Rao Krishna Pal Singh Student's Aid Society (<http://rkpssociety.com>).

3. *Employed staff in various projects or NET qualified :*

Dr. Seema Bhadauria

S.No.	Name	Fellowship	Financial Agency
1.	Garima Gupta	JRF	DST
2.	Ashish Gaur	NET Fellowship	UGC
3.	Ratnika Varshneya	JRF and SRF	DST
4.	Anshul Kulushrestha	JRF	DST
5.	Kavita Singh	JRF	DST
6.	Anuj Narayan	JRF and SRF	DST
7.	Vishwajeet	JRF	DBT,DST
8.	Alka Jain	JRF and SRF	DBT
9.	Vinod Kumar	PA	DST
10.	Prem Singh	Computer Programmer	DST
11.	Nitin Wahi	NET Fellowship	CSIR
12.	Ritu Yadav	Rajiv Gandhi fellowship for handicap	UGC

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- 6 consecutive National Conferences/Seminars were organised (Ref. Point 25) for improving student learning.
- Organizing local and intercity study tours
- Exhibition of Scientific models and Charts
- Plantation programmes
- Debate and Quizzes
- Poster making competitions
- Scientific Lectures
- Various other scientific and cultural programmes

- **Career Counselling**
- **Botanical Excursion Tours**
- **Visit to various universities and central research centres**
- **Faculty present papers and participate in conferences for updating their knowledge (Annexure – 7 a)**
- **Faculty attend trainings or courses to update themselves(Annexure 7b)**

33. Teaching methods adopted to improve student learning

To improve the learning and academic performance of the students the department has initiated many measures apart from regular teaching and the same are listed below :-

- 1. The Department provides books and other study material to all the P.G. students.**
- 2. Modern teaching methods/aids like LCD and Computer aided projections are frequently used along with the conventional class room teaching.**
- 3. Field excursions and visit to Botanical gardens and ecological hot spots, trips to scientific institutions of national importance and university departments are regularly made to apprise the students with the latest advancements in their respective fields.**
- 4. Facilitating admission procedure as student advisor.**
- 5. Helping them in all their genuine needs for their smooth stay in the college during their study period.**
- 6. Student career counselling and mentoring in routine basis.**
- 7. Development and utilization of innovative educational tools.**
- 8. Help in making projects, working models, display items and organizing science exhibitions.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- 1. Trainings on entrepreneurship through vermicomposting, mobile vermicomposting and vermiwash making, soil testing, water testing, innovative agricultural practices, Mushroom cultivation, seed production, nourishment, and Crop demonstrations are provided on routine basis to farmers by Botany department . The working experience especially in the field of plant protection is**

regularly shared with the farming community through direct interaction at local level and through newspapers at wider level. Time to time the expert advice in terms of safe and judicious pesticidal application is disseminated to the farming community. Taxonomic identification of plants in Agra is also advised to forest department and horticulture department of state government.

2. The compost prepared by some of the research students using different combinations of kitchen and garden waste, weeds etc. is also applied in the parts of the farmers' fields on trial basis. They are encouraged to use their kitchen and agricultural waste for this purpose as sustainable alternative for conventional fertilizers.
3. Demonstrated soil testing kit in Agrihorti Tech Uttar Pradesh at Safai, UP from 28-29 March 2016.
4. Demonstrated soil testing kit in Rashtriya Krishi Mela Chhattisgarh 2015' (National Agriculture Fair Chhattisgarh 2015) during December 26 to 28 at, Raipur (Chhattisgarh).
5. Developed a garden for blind students at Surkuti in 16th Nov. 2015.
6. Demonstrated soil testing kit and other agricultural technologies in Global R&D Summit and Expo organized by Federation of India Chambers of Commerce and Industry (FICCI), Delhi during 7-8 December, 2015 at Vigyan Bhawan, New Delhi on 'Leveraging International Cooperation to boost Indian Innovation Ecosystem'
7. Demonstrated soil testing kit , nanomaterials and other agricultural technologies in FICCI –Sankalp Social Innovation Expo 2015 during April 9 10, 2015 at Vigyan Bhawan, New Delhi.
8. Demonstrated soil testing kit , nanomaterials and other agricultural technologies in VIBRANT GUJARAT SUMMIT 2015 during 11th to 13th January 2015 at Mahatma Mandir, Gandhinagar, Gujarat, India
9. Active member in City Mayor's swachata abhiyan and delegate in Chinese team.
10. Demonstrated Aonla products, soil testing kit and vermicompost in Taj Mahostav 2010-2014
11. Demonstrated soil testing kit and vermicompost in MSME Expo fair in Agra in 2011.

12. **Demonstrated No-chemical detergents, ecofriendly products and vermicompost MSME Expo fair in Saharanpur in 2013**
 13. **Plantation in Bal Mukund School, Saudan Singh College, R.B.S. College, Agra.**
 14. **Making handicrafts, ritual symbols and heritage items from Panchgavya.**
35. SWOC analysis of the department and Future plans

STRENGTHS

- The department of Botany is 69 years old DST FIST sponsored, CPE star performer department and DSIR recognised . Since then several hundred students have obtained their Post graduate degree in Botany.
- The department has good infrastructural and research facilities in terms of well equipped labs with number of modern instrumentations. The faculty is well versed with research methodology and modern techniques. Every year many students obtain their Ph.D. degree in Botany with good number of research publications in reputed journals.
- About 100 students have obtained their Ph.D. degree in Botany and majority of them are employed in reputed higher educational and research laboratories.
- 20 students have cleared NET examination and secured JRF. One student each has achieved national fellowship for post doctorates of DST. Two are woman scientists WOS-B, one is recipient of DST-NCSTC "Rajat Jayanti Vigyan Sancharak Fellowships" , Few Rajiv Gandhi national fellowship(RGNF), UGC fellowship for disabled.

Dr. Kaushal Pratap Singh (**Rajat Jayanti Vigyan Sancharak Fellowship**) under Dr.Seema Bhadauria on training and demonstration of soil testing and disease identification in important crops

Dr. Kaushal Pratap Singh (**NCSTC-2014-2016**) under Dr.Seema Bhadauria on biodiversity awareness in schools.

Dr.Anuradha Chauhan **WOS-B DST** women scientist on Designing and development women friendly mobile vermiunits for rural and urban women

Dr. Preetesh kumari Development of package of Practices for Jatropha cultivation in alkali soil for socio-economic benefit of rural women(**WOS-B**) under Dr.Seema Bhadauria

Mr. Manish Dubey(**SRF-ICMR**) under Dr.Seema Bhadauria on Nanoherbal drug against microbial pathogens

Dr.Pankaj Garg (**RA-ICMR**) under Dr.Seema Bhadauria on effect of flavonoid based nanomaterial synthesis for cancer cell diagnosis.

Ms.Ritu Yadav(**SRF-UGC**) under Dr.Seema Bhadauria on heavy metal detection in pollutants by gold nanomaterial based biosensor Studies on the biology of five tree species of brijmandal in relation to their conservation.

Rajiv Gandhi National Fellowship Scheme – Vinay Dobiryal under Dr.KP Singh
Study on Morphological, Biochemical and Molecular Diversity of *Evolvulus alsinoides* L. (Convolvulaceae)

Rajiv Gandhi National Fellowship Scheme - Bhavana under Dr.KP Singh

- Teachers of the department are actively involved in research activities with ample exposure and expertise through quality publications, innovations, patents and commercialization.
- The department is equipped with a departmental library having more than 500 books.
- There is a Botanical garden of 5 Acres in heart of city with Boundary wall, a Gardener Quarte, net house and more than 100 trees of different kinds, irrigated by submersible for study.
- More than 500 plants of Agra preserved in herbarium & published in the "Flora of Agra" (BSI, Dehradun) is available for reference. **A new book has been published by Retired faculty of the department Dr. RKS Rathore and Dr.V.L.Singh on TREES OF AGRA by Scholar's Press, Germany in 2013.**
- **Following products are developed by the departmental research and some of them has been commercialized too :**
 1. Developed Non electronic Soil Analytical Kit for testing pH, Carbon, Nitrogen, Phosphorus and Potash on color chart basis by chemical reactions.
 2. Developed Non electronic Soil Analytical Kit for testing EC, Manganese, Chloride, Zinc, Boron, Copper, Sulphur and Iron on color chart basis by chemical reactions.
 3. Developed electronic Soil Analytical Kit for testing pH, Carbon, Nitrogen, Phosphorus and Potash, EC, Manganese, Chloride, Zinc, Boron, Copper, Sulphur and Iron with a computerized printed Soil Health Card for the farmers and SMS facility
 4. Fertilizer recommendation chart for 32 common crops and vegetables has been developed.

5. Bioprocess on removal of organic pollutants from stone surfaces by microbes
6. Bioethanol production from petha and potato wastes.
7. Nanomaterial synthesis from microbes and plants.
8. Antimicrobial nanoherbal drug against *Mycobacterium* and *Staphylococcus*
9. Ecofriendly vermicomposting units for women
10. Bioformulation oz for plant growth.
11. Plant disease identification website.
12. Nanoherbal bandage for wound healing.

WEAKNESSES

- The department requires a need based infrastructure in view of its age and future plans.
- Student teacher ratio at U.G. level is 60:1 exhibiting the weaknesses. The UGC suggests this ratio to be 20:1.
- Smart classroom and smart boards are the need of the hour and are required on urgent basis.
- Lack of high capacity well equipped auditorium to hold seminars etc.
- Old buildings and infrastructure

OPPORTUNITIES

- Globalization of education has thrown open new vistas for international linkages with international linkages.
- A linkage network at both national and international levels is formed with many institutions and individuals as resource persons for exchange of ideas and speedy analysis of samples on shared publications basis. This linkage helps the concerned students immensely and they are able to enhance quality in research with minimum expense and at the same time get the opportunity to interact with eminent people for future planning and career prospect abroad. The scientific fraternity included is as follows :

Dr. Claudia Sorolini
Dean, Agricultural Microbiology
University of Milan, Milan, Italy

Dr. Fransceca Capitilli
Assistant Prof., Agricultural Microbiology

University of Milan, Milan, Italy

**Prof. Piero Baglioni,
CSGI-Dept. of Chemistry,
University of Florence, Via della Lastruccia3,
Sesto Fiorentino (Florence), Italy**

**Dr. Giorgi Rodrico
Prof. Piero Baglioni,
CSGI-Dept. of Chemistry,
University of Florence, Via della Lastruccia3,
Sesto Fiorentino (Florence), Italy**

Dr. Renu Pasricha

**Dr. S. P. Singh
NPL-CSRI, New Delhi**

**Dr. Hideo Arai
Emeritus Scientist
National Institute of Cultural Heritage
Tokyo, Japan**

**Prof. B. B. Dzantier,
A.N. Bakh Institute of Biochemistry,
Moscow (Russia)**

- Through motivational young staff the department provides coaching to the students from all the weaker sections of the society, so that they may get the equal opportunity to compete with their counterparts and secure a better future.

THREATS

- There is a need for change in approach, processes and strategies for the deliverables relevant to the modern needs otherwise a shift in terms of preference may be initiated amongst the student community
- A kind of threat has been noticed since last few years to all the conventional subjects including Botany urgent measures are needed to revamp the course content in order to make it more relevant to the present need.

FUTURE PLAN:

- (1) Use of modern teaching aids viz. slide projector, LCD projector with audio Visual facility with monthly evaluation of the student both in practical and theories.

- (2) Interactive session between teachers and students, field exploration including local and outdoor Touring.
- (3) Hands on Practice on vocational practicals like Mushroom Cultivation Microbiological technique, Breeding technique, Micro propagation technique.
- (4) Developing audio visual facility, Marketing Classroom teaching live and more attracting by introducing use of multimedia and Internet use.
- (5) Career Counseling, arranging Seminars and invited guest lectures of eminent scientist.
- (6) Floristic and Demographical studies of flora of different.
- (7) Phytogeographical regions of India through field visit and botanical excursion. Exposure of Students by visiting Central Research labs.
- (8) Full fledged Micro propagation facilities of important plants and facilities for Environment, Biotechnological and Biostatistics.
- (9) Identification of functional groups of medicinal plants by fourier transform Infrared spectrophotometer.
- (10) Biochemical analysis by UV-IS-NIR spectrophotometer.
- (11) Identification of microbes and their preservation by microbisl
Identification System with Software (Electrolab) and Lyophiliser.
- (12) Transform of vermicomposting and soil testing technology.
- (13) Training scholars of nearby institutes for antimicrobial activity.
- (14) Books, Journals, Online access & Subscription to Springer & Elsevier journals.

ANNEXURE – 01**Detail of Ph. D. Scholars****Dr. A. K. Singh**

1. Dr. Priyanka, 2014 - "Organogasis of the Medical Plants Rouvalfia Serpeita"
2. Dr. Kiran Tomar – "Ethanobotanical Studies of Aolful District (Raj.) with special reference to Medicinal Plant."
3. Dr. Ashok, 2013 ' "Inventory of Medicinal Plants of Mainpuri District (UP) with special reference to their traditional uses"
4. Dr. Sanyogita, 2013 – "Studies on the effect of Plant Growth, Bioregulators, Chemicals and storage temperature on dormancy breaking in Gladiolus (Gladiolus grandifloros)"
5. Mr. Jitendra Sisodia, 2016 – "Ethnobotanical studies on the vegetation (special reference to their medicinal value" of Faridabad & allied districts (Haryana)".

Dr. K. P. Singh

1. Sachin Kumar, 2010 "Reproductive success, Histochemical, Biochemical and Microbial Evaluation of Nicotiana tabaccum L. And Nicotiana plubaginifolia Viv.
2. Bulbul Kaushal, 2010 - "Reproductive Biology of Chlorophytum borovilqnum santapauand fernades in various Edaphic conditions."
3. Yugal Pratap Singh, 2012 – "Diversity in Tinospora cordifolia (wild) Miers (Medicini Herb) at Biochemical.Genomic and Proteomic level."
4. Vinay Deboryia, 2012 – "Reproductive Biology and Histochemical studies in Chota gokkru (Tribulus terrestris L.) and Bara gokhru (Pedalium murex L.) with special reference to biochemical studies."
5. Bhavana, 2013 – "Study on Morphological Biochemical and Molecular Diversity of Evolvulus alsinoids L."
6. Hema Bhardwaj, 2014 – "Biology of Reproduction in Adhathoda vasica Nees with special reference to Phytochemical studies"

Dr. Seema Bhadauria

1. Manish Dubey – "Development and Formulation of Novel Bioactive Nanosilver-Phytochemical Composite with Potential against Multidrug Resistant (MDR) Microbial Pathogens and Its efficacy for disease control"
2. Anshul Kulshreshtra - Studies on development of Nano-Silver and herbal based Advanced Anti-Microbial Wound Care Products and their responses against pathogenic microbes
3. Anuj Narayan Mishra- Biosynthesis of Nanomaterials of Lead and Gold metals by microorganisms and their application in Bio-indication and Bioremediation
4. Ratnika Varshney - Biosynthesis of Nanomaterials of Copper by *Pseudomonas* and Silver by *Verticillium* and their characterization.
5. Nandana - Studies on biodeterioration of herbal products and raw materials with special reference to aflatoxin contamination.
6. Vivek Chauhan - Taxonomy of Alternaria species associated with Solanaceous vegetables Of Agra region
7. Sadhna Jadon - Micro propagation of *Tinospora cordifolia* and its antibacterial activity

ANNEXURE – 02**Detail of Ongoing Projects****a) National :****(i) Minor Projects**

S. No.	Title	Name of the faculty	Agency	Grant Sanctioned
1.	Physicochemical and Biological Studies in Yamuna River at Agra	Dr.K.P.Singh	UGC, New Delhi	2,65,000/-
2.	“Morphological Molecular Characterization of markers/ trait associations for selection of desirable traits in different accessions of <i>Dolichos lablab</i> .”	Dr.Anil Kumar	UGC, New Delhi	2,80,000/-
3.	Investigatory studies on Systemic Acquired Resistance against <i>Sclerotinia sclerotiorum</i> in crucifers	Dr. Devesh Kumar	UGC, New Delhi	2,80,000/-

(ii) Major Projects

Title	Name of the Faculty	Funding Agency	Amount
Incorporation of Additional soil micronutrients testing facility and Development of soil nutrients and leaf nitrogen deficiency software with fertilizer management	Dr. Seema Bhadauria	Department of Sci. and Technology, Min. of Science and Technology, , New Delhi	27.5 lakhs

b) International Project

Title	Name of the Faculty	Funding Agency	Amount
Application of aptamer functionalized gold nanoparticles in biosensors for rapid control of heavy metals in water samples	Dr. Seema Bhadauria	Department of Science and Technology, Ministry of Science and Technology, , New Delhi (Indo-Italian Project)- RFBR AN Bakh Institute of Biochemistry (Co-PI INT/RUS / RFBR/ P-223)	21.0 lakhs

ANNEXURE – 03**Detail of Projects funded by DST-FIST, UGC, DBT, in last five years.****(A) Dr. A K Singh: Major projects**

S. No.	Name of the Funding Agency	Title	Total Amount	Duration of Support
1.	Department of Science and Technology, Min. of Science and Technology, Govt. of India, U.G.C, New Delhi	Fund for infrastructure in science and Technology level-I and II	Rs.48.00 lakhs Rs.13 lakhs	5 years (2009-2013)
2.		Instrument Maintenance facility	Rs 35 Lakh	5 years (2010-2015)

(B) Dr. K.P.Singh:**(I) MAJOR RESEARCH PROJECTS** funded by University Grants Commission

- Studies on tree Biology of five tree species of Brijmandal in Relation to their Conservation
Completed
UGC Reference No. & Date : F-39-372/2010 (SR) Dt. 5.12.2010

(II) MINOR PROJECT funded by University Grants Commission

- Morphological, Phytochemical and Antimicrobial Evaluation of *Tinospora cordifolia* (wild) Miers (Medicinal Plant).
Completed
UGC Reference No. & Date : F.No.8-(313)/2011 (MRP/NRCB) 3 Feb 2011.

(C) Dr. Seema Bhadauria**(I) MAJOR INTERNATIONAL COLLABORATIVE PROJECTS**

S.N	Name of the Funding Agency	Title	Amount	Duration
1.	Department of Sci. and Technology, Min. of Science and Technology, New Delhi (Indo-Italian Project) Italian PI - Prof.Baglioni, Univ.Of Florence,Italy-(INTERNATIONAL PROJECT) (INT/ITALY/CHCRT-1/82/ 2008- 2010)	Microbiological analysis of biofilms on stone artefacts and their conservation by chemically and biologically synthesized nanomaterials	4.16 lakhs	3 years 2010-2012 Completed
2.	DST and Russian Foundation of Basic Research (RFBR) (Co-PI Seema Bhadauria) Russian PI: Prof. B B Dzantiev, Bakh Institute of Biochemistry, Moscow (Russia) Project no. INT/RFBR/P-125	Development of nanobiosensor probe for detection of metal cations	15 Lakhs	2 years 2012-14 Completed
3.	Department of Sci. and Technology, Min. of Science and Technology, , New Delhi (Indo-Russian Project)-RFBR AN Bakh Institute of Biochemistry (Co-PI INT/RUS / RFBR/ P-223)	Application of aptamer functionalized gold nanoparticles in biosensors for rapid control of heavy metals in water samples	21 lakhs	2 years 2015-2017

(II) NATIONAL PROJECTS**[A] Nanotechnology**

	Name of Funding Agency	Title	Amount	Duration
1.	Department of Sci. and Technology, Min. of Science and Technology,, New Delhi(NANOMISSION) (SR/S5/NM-22/2006)	Biosequestration and Bioimpregnation of heavy metals leading to Nanomaterials synthesis and decontamination of industrial effluent.	55 lakhs	3 years 2007-2010 Completed
2.	Department of Biotechnology, Min. of Science and Technology, Govt. of India, New Delhi (Nanomedicine) BT/PR10880/NNT/28/141/2008	Development and Formulation of Novel Bioactive Nanosilver-Phytochemical Composite with Potential against Multidrug Resistant (MDR) Microbial Pathogens and Its efficacy for disease control	63.18lakhs	3 years 2011-2014

[B] Biofertilizers and Environment

	Name of Funding Agency		Title	Amount	Duration
.3	Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi (SP/WS/021/2009)		Developing weaker farmers into on-site-soil testing and vermicompost based supplemental nutrient service providers in two Districts of Uttar Pradesh	Rs.14.31 lakhs	3 years 2013-2016
4.	Deptt. of Sci. and Tech, Min. of Science and Tech, Govt. of India, New Delhi (DST/SSTP/UP/09/35 and DST/SSTP/UP/09/35(1))		Demonstration cum training for availing <i>on-site-self</i> soil testing technology and fertilizer recommendation practices with low cost Vermi-nutrient supplemental packages for potato and vegetable farmers in Agra, Mainpuri and Firozabad Districts.	Rs.16.36 lakhs	3 years 2011-2013
4.	CoPI – Dr. Seema Bhadauria	Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi	Towards Under standing Vermi-compost Technology: Analysis, Experimentations and Standardisation of Practices”	Rs. 17.6 Lakhs	3 yrs 2009-2012 Completed
5.	CoPI – Dr. Seema Bhadauria	Deptt. of Sci. and Technology, Min. of Science and Technology, New Delhi DST(SSTP) /UP/2k8/11	Pesticide Monitoring in the Seasonal Vegetables and Soil of Agra District	Rs.18.0 lakhs	2 yrs 2009-2010 Completed

[D] Bioenergy and Bioethanol

S. No.	Name of the Funding Agency	Title	Amount	Duration
7.	Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi(TSG) DST/TSG/AF/2007/05)	Technology development and optimization for Bioethanol production from Potato and Petha waste.	Rs.42.50 Lakhs	2years 2008-2010 Completed

[E] Instrumentation

S. No.	Name of Funding Agency	Title	Amount	Duration
8.	Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi (IDP) (ID/SEN/96/07)	Development of non-electronic soil analytical kit supplemented with soil health and fertilizer recommendation card-Phase II.	Rs.23.0 Lakhs	3years 2008-2010 Completed
9.	Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, New Delhi (IDP/IND/12/2013)	Incorporation of Additional soil micronutrients testing facility and Development of soil nutrients and leaf nitrogen deficiency software with fertilizer management	Rs. 27.5 lakhs	2 years 2015-2017

PDF Other projects under Mentorship of Dr. Seema Bhadauria :

Deptt. Of Vigyan Aur Pradyogiki Mantrayala (NCSTC Divison	Dr. Kaushal Pratap Singh (fellowship 2014) under Dr.Seema Bhadauria	10,47,670/-
Deptt. of Sci. and Technology, Min. of Science and Technology, Govt. of India, SEED Division, New Delhi Women Scientist-B Senior Research Fellow Fellowship (ICMR, New Delhi)	Dr. Anuradha Chauhan "Precomposting of waste by microbial inoculants followed by vermicomposting through development of innovative vermicompost models for Rural and Urban women beneficiaries". Under Dr.Seema Bhadauria	1592000/-
	Manish Dubey on Development and Formulation of Novel Bioactive Nanosilver-Phytochemical Composite with Potential against Multidrug Resistant (MDR) Microbial Pathogens and Its efficacy for disease control	14,60,000/-
Research Associate Fellowship (ICMR, New Delhi)	Dr.Pankaj Garg on Anticancerous potential of nanogoldpolypeptide and falvanoids complex.	17,00,000/-

ANNEXURE – 04**Detail of Publications (Journals and Books)****(A) Dr.A K Singh**

1. S.S.Chahar, D.Kumar, **A.K.Singh**. Biodiversity conservation and sustainable development : Are we doing enough? 2016 Biochemicals and cellular Archives Vol.16,Supplement 1,Jan 2016.pp317-322
2. D.Kumar, **A.K.Singh**, S.S.Chahar .A review on ecological impact and ecofriendly control methods of *Parthenium hysterophorus* : an exotic troublesome weed in India 2016 Biochemicals and cellular Archives Vol.16,Supplement 1,Jan 2016. pp 323-330
3. B.P.S.Chauhan,Vishwajeet Singh and **A.K.Singh** 2015.Effect of Seasonal Change in plant aggregation of the ravines of Ottangan River at Khander, Agra,Uttar Pradesh.Indian J Trop Biodiversity23(2):199-203

(B) Dr.K.P.Singh

1. **K.P. Singh** and Vinay Daboriya 2010. Evaluation of morphological diversity of chota gokhru (*Tribulus terrestris* L.) and (bara gokhru) *Pedaliium murex* L. Indian. J. Plant Genet. Resour. 23 (1):22-24.
2. **K.P. Singh**, Gunjan Dhakre and Vinay Daboriya 2010. Phenology and Reproductive biology of *Parthenium hysterophorus* L. Advances in Pollen Spore Research Vol. XXVIII: 143-148.
3. **K.P. Singh**, Gunjan Dhakre and Vinay Daboriya 2010. Phenology and Reproductive biology of *Parthenium hysterophorus* L. Advances in Pollen Spore Research Vol. XXVIII: 143-148.
4. **K.P.Singh**. Vinay Daboriya, Bhavana and Gunjan Dhakre 2010. Reproductive biology of *Saraca ashoka* (Roxb) De Wilde (Caesalpiniaceae). M.E.P. News Vol. XX, No. 3. pp: 26-28.
5. **K.P Singh**., Abishek Kumar Dwevedi and Dhakre Gunjan; "Evaluation of antibacterial activities of *Chenopodium album* L", International Journal of applied biology and pharmaceutical technology (2011), Vol.2 (3): 398-401
6. Poonam Kushwah, **K.P. Singh**. 2012. Morphological variation in Castor (*Ricinus communis* L) International Journal of Institutional Pharmacy and Life Sciences 2(3): 128-134.
7. Abhishek Kumar Dwivedi and **K.P.Singh**. 2012. Antibacterial potential of *Chenopodium murale* L. against resistant human pathogenic bacteria. International Journal of Institutional Pharmacy and Life Sciences 2(3):115-120.
8. Poonam Kushwah, and **Krishan Pratap Singh**. 2012. Evaluation of Antimicrobial Activities of *Ricinus communis*. International Research Journal of Pharmaceae: 3 (7) P.209-210.
9. Ashish Kant Jain and **K.P. Singh** 2013. Evaluation of antibacterial activity in

Harshingar. International Research Journal of Pharmacy. 4(7) Pp, 151-153.

10. **Surya Mani Tripathi and K.P. Singh** 2013. Hybrid Seed Production in *Helianthus annuus* L. through Male Sterility Induced by Benzotriazole. Open Access Scientific Reports Volume 2; Issue 2.
11. Neha Kathuria and **K. P. Singh**. 2015. Ethnobotanical Uses of Indian Butter Tree in District Agra. IJGHC,; Sec. B; Vol.5, No.1, 013-018.
12. Neha Kathuria and **K. P. Singh**. 2015. Antibacterial activities of leaves extracts of Indian Butter tree (*Madhuca indica*). Int. Res J. Pharm.6 (12): 805-807.
13. Neelam Kulshrestha and **K.P. 2017; Singh** Study on Reproductive Biology of *Saraca indica* L. (*Caesalpinaceae*). IJGHC; Vol.6, No.1, pp 1-6.

(C) Dr. Seema Bhadauria
[A] Nanotechnology

1. Manish Dubey, **Seema Bhadauria**, V. K. Sharma & V. M. Katoch (2012) Antibacterial Activity of Biologically Synthesized Nanosilver against Drug-Resistant Bacterial Pathogens Volume 4, Issue 2, 174-182 International Journal of Green Nanotechnology DOI: 10.1080/ 19430892. 2012. 676931
2. Ratnika Varshney*, **Seema Bhadauria**, Mulayam S. Gaur (2012) A Review: Biological Synthesis of Silver and Copper Nanoparticles. Nano Biomed. Eng. 4(2), 99-106
3. Kapil Kumar, Manish Dubey, Anjana Agnihotri, **Seema Bhadauria**, Sameer S. Bhagyawsant, Archana Shrivastava(2011). Antibacterial and phytochemical analysis of *Withania somnifera* aqueous and alcoholic extracts *Journal of Pharmacy Research* 4(10),3421-3423
4. B.S. Kushwah, S.C. Upadhyaya, Shipra Shukla, Apurva Singh Sikarwar, R.M.S. Sengar, **Seema Bhadauria** Performance of nanopolyaniline-fungal enzyme based biosensor for water pollution Adv. Mat. Lett. 2011, 2(1), 43-51 DOI: 10.5185/amlett.2010.814
5. Anuj Narayan Mishra; **Seema Bhadauria**; Mulayam Singh Gaur; Renu Pasricha Extracellular microbial synthesis of gold nanoparticles using fungus *Hormoconis resinae*. JOM: The Journal of The Minerals, Metals & Materials Society (TMS) (v.62, #11) (pp. 45-48).
6. Manish Dubey, Sanju Sharma, Rajeev Sengar, **Seema Bhadauria**, R.K. Gautam. 2011. In vitro antibacterial activity of Lantana camara leaves hydrosol *Journal of Pharmacy Research* 4(11),3972-3974
7. **Seema Bhadauria**¹, Ratnika Varshney¹, Anuj Narayan Mishra¹, M. S. Gaur², Renu Pasricha³, B. S. Kushwah⁴, R. S. Chauhan⁵ (2011) Bioremediation of industrial effluents leading to nanoparticles synthesis Bulletin of Materials Science 4(4)12-16
8. Ratnika Varshneya*, **Seema Bhadauria**, Mulayam S. Gaur (2010) Biogenic synthesis of silver nanocubes and nanorods using sundried *Stevia rebaudiana* leaves Adv. Mat. Lett. 2010, 1(3), 232-237 DOI: 10.5185 / amlett.2010.9155

9. Anuj Narayan Mishra, **Seema Bhaduria**, Mulayam Singh Gaur and Renu Pasricha (2010) Extracellular microbial synthesis of gold nanoparticles using fungus *Hormoconis resinae* JOM JOURNAL OF THE MINERALS, METALS AND MATERIALS SOCIETY PRECIOUS METALS EXTRACTION / Volume 62, Number 11, 45-48, DOI: 10.1007/s11837-010-0168-6
10. Mishra, Anuj N. , **Bhaduria, Seema** , Gaur, Mulayam S. , Pasricha, Renu and Kushwah, Brajesh S. (2010) 'Synthesis of Gold Nanoparticles by Leaves of Zero-Calorie Sweetener Herb (*Stevia rebaudiana*) and Their Nanoscopic Characterization by Spectroscopy and Microscopy', International Journal of Green Nanotechnology: Physics and Chemistry, 1: 2, P118 — P124 DOI:10.1080/ 19430871003684705

[B] Biodeterioration, Biodegradation and Bioremediation

11. Ashish Gaur, *Vishwajeet Singh and **Seema Bhaduria** 2016. Phytochemical screening of *Holoptelea integrifolia* Bark & Leaves Extracts Collected from Agra & Hathras (U.P.) International Journal of Innovative and Applied Research (2016), Volume 4, Issue (1): 1- 4
12. Ashish Gaur, Vishwajeet Singh, **Seema Bhaduria**, Prabhakar Bais 2015 A Review on *Holoptelea integrifolia* (Roxb). Planch Int.J.Bioassays, Volume 2015; 4(12): 4672–4678
13. Bhavna Singh , Gitansh² and **Seema Bhaduria**¹ 2013, Prevalence of seed mycoflora from different seed of spices under field and storage conditions of Agra region. Asian Journal of Plant Science and Research, 3(2):93-98
14. Vishnu Singh, Manish Dubey and **Seema Bhaduria** Biodeterioration of Polyethylene High Density by *Aspergillus Versicolor* and *Aspergillus Terreus* Journal of Advanced Laboratory Research in Biolog Volume III, Issue I, pp47-49
15. Vishnu Singh, Manish Dubey and **Seema Bhaduria**. Microbial degradation of polyethylene (Low Density) by *Aspergillus fumigatus* and *Penicillium* sp. Asian Journal Biological Science . 2012;3(3):498- 501.
16. Prem Kumar Gautam, Deveshwari Singh and **Seema Bhaduria** (2012)Effects of Growth of Angiosperms on the Monuments – Investigation Based on Historical Monuments of Gwalior Fort . *Nature Env. & Pollution Tech.* Volume 11, Issue No. 2, , Page No 307-309
17. Nandna Khurana, Rajeev Kr. Sharma, **Seema Bhaduria**(2011) Microbiological Quality Assessment of Some Commercial Herbal Drugs .IJPQA, Vol3,Issue4, Oct 2011- Dec 2011 (15-17)
18. Kavita Solanki, H B Singh and ***Seema Bhaduria** (2011)A study for Assessment of Physico-chemical Analysis of Oil Refinery Effluent. Research Journal of Agricultural Sciences 2(1): 125-12
19. **Seema Bhaduria** and Shipra Shukla(2011)Degradation of a Polycyclic Aromatic Hydrocarbon by White Rot Fungus and its Laccase in the Presence of Redox mediator. International Research Journal of Microbiology7(4)11-14

20. Alka Jain* and **Seema Bhadauria** (2010) comparative approach for chemical intervention against sandstone biodeteriogens
https://www.restauro.de/media/Fachartikel/dff16_Jain_Biozide.pdf

[C] Micropropagation and Biodiversity

21. [Nitin Wahi](#) · [Seema Bhadauria](#) · [Ashok Kumar Bhatia](#) [MALDI-Tof Assisted Rapid Identification Method for Bacterial Strains](#) Mar 2016 Journal of Pure and Applied Microbiology 10(1):243-251
22. Bhanu Pratap Singh Chauhan¹ , Ankita Shrivastava² , Abhishek Kumar² , **Seema Bhadauria**³ 2015 Floristic Diversity In The Ravines Of Ottangan River Under Protection And Biotic Disturbance, IJPRBS; Volume 4(3): 100-107
23. Sadhana Jadon¹ , Vishwajeet Singh² , Ankita Shrivastava³ , Nitin Wahi⁴ , **Seema bhadauria**⁵ Micropropagation of *Jatropha Curcas* L. with Different Hormonal Treatments Indian Res. J. Genet. & Biotech 7(1) : 35 – 40 (2015)
24. Vibha Sachan*¹ , **Seema Bhadauria**¹(2013) Comparative Study Of *Coleus forskohlii* cultivation through micropropagation and conventional farming methods. international journal of pharmaceutical research and development September - 2013 / Volume - 5/Issue – 7
25. Sadhana Jadona, Ankita Shrivastava , Vishwajeet Singh , Preeti Bhadauria , **Seema Bhadauria** .A Review article on medicinal plant: *Withania somnifera* .International Journal of Medicinal Plants. Photon 105 (2013) 260-268
26. P. Singh, R. K. Agnihotri, **S. Bhadauria**, Rashmi Vamil and R. Sharma(2012)Comparative study of potato cultivation through micropropagation and conventional farming methods. African Journal of Biotechnology Vol. 11(48), pp. 10882-10887, 14 June, 2012 Available online at <http://www.academicjournals.org/AJB> DOI: 10.5897/AJB12.584 ISSN 1684–5315 ©2012 Academic Journals
27. Sadhana jadon, **Seema Bhadauria** and Swapnal Sisodia.*In Vitro* Micropropagation of *Jatropha curcas* L. with Different Treatments(2011)Journal of Institution of Public Heath enginneers12(4)56-59

[D] Biofertilizers

28. Kaushal Pratap Singh *, Rekha Yadav , Preetesh Kumari , **Seema Bhadauria** 2014 Biomass Production, Phosphorus and Nitrogen Content in *Acacia nilotica* under Am Fungi and Nutrient Treated Soil. The Indian Forester Volume 140, Issue 5, May 2014
29. Deveshwari Singh and **Seema Bhadauria** 2012 Quantitative and Qualitative Distribution of Bacteria in Vermicompost Produced by Different Organic Wastes *Nature Env. & Pollution Tech.* Volume 11, Issue No. 2, Page No 331-334
30. Singh KP, Kumari P, Chauhan A and **Bhadauria S.** 2010. Seasonal variation in root colonization and rhizosphere soil spore population of AM fungi in alkaline soil. *J Mycol PI Pathol* 40(3):420-424.

31. B.D. Ghode, **Seema Bhadauria** and S.D. Sawarkar Response of sorghum [(L.) Moench] cultivars to nitrogen and phosphate solubilizing bacteria under different cutting intervals. JNKVV RESEARCH JOURNAL Volume 44 Number 1 January - June 2010pp35-38

[F] Environment and Waste Management

32. Kavita Solanki¹, **Seema Bhadauria**² and H.B. Singh³ Physico-chemical characteristics of raw water of River Yamuna, Agra(2011) Journal of Institution of Public Health engineers12(4)72-75
33. S Sisodia, MB Siddiqui, **S Bhadauria**, S Jadon Bio-diesel-an alternative non-conventional energy source. 2011 Vegetos 24 (1), 68-75
34. Ratnika Varshney, **Seema Bhadauria**, M.S.Gaur, Biosorption of Copper (II) from electroplating wastewaters by Aspergillus terreus and its kinetics studies, 2011. Journal WATER, 2, 142-151
35. Ratnika Varshney¹, Anuj Mishra¹, **Seema Bhadauria**¹, M.S.Gaur², B.S.Kushwah³(2011)¹Biosorption of lead (II) and copper (II) heavy metals in industrial wastewaters by fungi isolated from soil Journal of Institution of Public Health engineers12(4)92-95
36. **Seema Bhadauria**, R.M.S. Sengar, Dheeraj Mohan, Chatar Singh Dhanai and B.S. Kushwah (2010) Sustainable Land Use Planning Through Utilization of Alkaline Wasteland by Biotechnological Intervention. Middle-East Journal of Scientific Research 6 (6): 580-592, 2010
37. R.M.S. SENGAR , **SEEMA BHADAURIA** AND POONAM SHARMA(2010)The Effect Of Cyanobacterial Toxin On Seed Germination. Indian J. Sci. Res.1 (2): 41-45, 2010
38. **Seema Bhadauria**, R.M.S. Sengar, Dheeraj Mohan, Chatar Singh Dhanai and B.S. Kushwah(2010) Sustainable Land Use Planning Through Utilization of Alkaline Wasteland by Biotechnological Intervention. American-Eurasian J. Agric. & Environ. Sci., 9 (3): 325-337, 2010

[G] Instrumentation

37. Nitin Wahi¹ *, **Seema Bhadauria**² and Ashok Kumar Bhatia¹ 2016 MALDI-ToF Assisted Rapid Identification Method for Bacterial Strains J PURE APPL MICROBIO, 10(1), 243-251.
38. B.S.Kushwah¹ , **Seema Bhadauria**² , Shipra Shukla³ , Apurv Singh Sikarwar³ (2014) Extraction and purification of laccase enzyme from agaricus bisporous for development of low cost nanopolyaniline based biosensor. International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 3, Issue 3, May 2014 178-83
39. Kushwah, B. S. and **Bhadauria, S.** (2010), Development of biosensor for phenol detection using agarose–guar gum based laccases extracted from Pleurotus ostreatus. Journal of Applied Polymer Science, 115: 1358–1365. doi:

[H] Fermentation and Bioenergy.

40. **Seema Bhadauria**¹, B.S. Kushwah², Garima Gupta^{1*}, Apurv singh sikarwar¹Anshul Kulshertha¹ Dhiraj Singhal¹ Management of Potato Waste and its utilization as an alternative source of energy (2011) Journal of Institution of Public Health Engineers 12 (4)36-39

Dr. Seema Bhadauria**Full Papers published in ISBN Books****[A] Nanotechnology**

1. B.S.Kushwah¹, Sharad Chandra Upadhyaya³ Manish Dubey², **Seema Bhadauria**²,(2011)Synthesis of Silver Nanoparticles by natural Polysaccharide-Gaur Gum and Their Characterization. In Proceedings of National Conference on Emerging Vistas of Mechanical Engineering in 21st Century EVME-2 0 1 1 on 4th & 5th April 2011 by Anand Engineering College NH-2, Keetham, Agra-282 007 (INDIA)Published by Narosa Publishers.
2. Ratnika Varshney, Anuj Narayan Mishra, **Seema Bhadauria**, M. S. Gaur 2010. Silver nanorod synthesis from *Stevia rebaudiana* leaves :A novel approach. In Proceedings of the International Conference on Nanoscience and Technology in Chemistry, Health, Environment and Energy held on Jan7-9 2010(Editors: L.D.Khemani and Sahab Dass) publishers Tata MacGraw Hill pp.329-333
3. Anuj Narayan Mishra, **Seema Bhadauria**, Ratnika Varshney, M. S. Gaur,Renu Pasricha2010 Synthesis of monodisperse gold nanoparticles.In Proceedings of the International Conference on Nanoscience and Technology in Chemistry, Health, Environment and Energy held on Jan7-9 2010(Editors: L.D.Khemani and Sahab Dass) publishers Tata MacGraw Hill pp.205-210
4. Manish Dubey,**Seema Bhadauria**,B.S.Kushwah,R.K.Gautam 2010.New report on biosynthesis of silver nanoparticles from extract of *Cuscuta reflexa*. In Proceedings of the International Conference on Nanoscience and Technology in Chemistry, Health, Environment and Energy held on Jan7-9 2010(Editors: L.D.Khemani and Sahab Dass) publishers Tata MacGraw Hill pp.183-187
5. Anshul Kulshreshtra,**Seema Bhadauria**,Garima Gupta,Richa Rohtagi 2010.Silver nanoparticles :A menace to mankind. In Proceedings of the International Conference on Nanoscience and Technology in Chemistry, Health, Environment and Energy held on Jan7-9 2010(Editors: L.D.Khemani and Sahab Dass) publishers Tata MacGraw Hill pp.258-61

[B] Biodeterioration, Biodegradation and Bioremediation

6. **Seema Bhadauria**, Piero Baglioni, Rodorico Giorgi and B.S.Kushwah 2014 Using Innovative Nanomaterials for Biofilm Removal from Cultural Heritage Surfaces: An Emerging Conservation Nanotechnology Page no 55-64 BIODETERIORATION OF CULTURAL PROPERTY-7(Editors Shashi Dhawan Abduraheem K. Virendra Nath) Proceedings of the 7th International Conference on Biodeterioration of Cultural Property February 16-18, 2013 held at Department of Museology, Aligarh Muslim University, Aligarh, India

7. Deveshwari Singh and **Seema Bhadauria** 2014 Effects of Growth of Angiosperms on the Awagarh Fort (A Historical Monument): A Case Study In BIODETERIORATION OF CULTURAL PROPERTY-7 (Editors Shashi Dhawan Abduraheem K. Virendra Nath) Proceedings of the 7th International Conference on Biodeterioration of Cultural Property February 16-18, 2013 held at Department of Museology, Aligarh Muslim University, Aligarh, India pp 149-156
 8. **Seema Bhadauria**, Alka Jain, B.S.Kushwah, Deveshwari Singh and Anshul Kulshreshta (2010) Salts and biofilm removal from sandstone by nanomaterials: Case study from Agra,India. In Proceedings of the International Conference on Nanoscience and Technology in Chemistry, Health, Environment and Energy held on Jan7-9 2010(Editors: L.D.Khemani and Sahab Dass) publishers Tata MacGraw Hill pp.343-349
 9. Alka Jain and **Seema Bhadauria** (2010) Biofilm formation by algae on sandstone monuments and their inhibition: a case study of Agra (India) 277 http://www.formatex.org/biomicroworld2009/files/BioMicroWorld2009_%20ProceedingsBook_TableofContents.pdf
- [C] Fermentation and Bioenergy**
10. Nitin Wahi · **Seema Bhadauria** · Ashok Kumar Bhatia Full-text · Conference Paper · Feb 2016 TEM-Analysis of Chlorella Spp. depicting intracellular anatomical changes during algal oil productivity 2ndInternational Conference On NEW CHALLENGES IN BIOTECHNOLOGY AND MOLECULAR BIOLOGY IN THE CONTEXT OF st 21 CENTURY (NCBMBCC) st 21 CENTURY (NCBMBCC) February 27-29, 2016 Venue : ST. JOHN'S COLLEGE AGRA-282002 (U.P.) INDIA Organized By : organized by Indian Society of Genetics, Biotechnology Research & Development, Agra in association with St. John's College, Agra.
 11. Ankita Shrivastava¹, Brajesh Singh Kushwah², Sunil Bhadauria³, ⁴Sadhana Jadon, ⁵S.A.Mallick, Vishwajeet Singh¹, **Seema Bhadauria**⁴(2011)SCREENING AND CHARACTERIZATION OF *CHLORELLA* FOR ITS POTENTIAL TO PRODUCE BIODIESEL In Proceedings of National Conference on Emerging Vistas of Mechanical Engineering in 21st Century EVME-2 0 1 1 on 4th & 5th April 2011 by Anand Engineering College NH-2, Keetham, Agra-282 007 (INDIA)Published by Narosa Publishers.
 12. **Seema Bhadauria**, B.S. Kushwah,Garima Gupta, Apurv Singh Sikarwar, Anshul Kulshrestha Waste Potatoes Utilization as an Alternate Source of Energy .In energy conversion and Management 132(7) ISBN: 9788184870787 (Hard cover book) 557 p.Shukla, S. K. (EDT) / Tirkey, J. V. (EDT) 2010/02 Narosa Pub House

(C) Dr. Anil Kumar

1. **Anil Kumar**, 2013. Study of various morphological characteristics in selected accessions of *Mucuna Pruriens*. Knowledge News: *An international Journal of Ideas*, 2(2), 40-45.

2. **Anil Kumar**, 2013. Study of growth habit and agroclimatic conditions of *Dolichos lablab*, *Mucuna Puriens* and *Canavalia gladiata*. Research News: Natonal Journal of Ideas, **2** (1), 53-61
3. **Anil Kumar**, 2014. *Dolichos lablab* as multi-purpose leguminous crop suiting to semi-tropical Agro-climatic conditions of Agra region. *Science Phenomenon*, **1**(1), 88-90.
4. **Anil Kumar**, 2015. Study of morphological makers for identi□ cation of superior genotype of selected accessions of *Dolichos lablab*. UTOPIA OF GLOBAL EDUCATION: *Internatinational Journal of Multidisciplinary & Contemporary Science*. **1** (2), 43-45.
5. **Anil Kumar**, 2015. Coparative Morphological study of seed and pod in unprivileged Bean genera *Dolichos lablab*, *Mucuna pruriens* and *Canavalia gladiata*. *Journal of Scientific & Technological research*. **5**(2), 10-11.

(D) Dr. Devesh Kumar

S. No.	Title with page no.	Journal	Year	ISSN/ ISBN No.	Impact factor
1.	A Review on Ecological impact and Ecofriendly Control Methods of Parthenium hysterophorus: An Exotic troublesome weed in India Page no. 323-330	Biochemical and Cellular Archives	Jan-2016	0972-5075	NAAS Rating=3.77
2.	Biodiversity conservation and Sunstaible Development:Are we doing enough A Review Page no. 317-322	Biochemical and Cellular Archives	Jan-2016	0972-5075	NAAS Rating=3.77
3.	"Studies on the effect of Salicyclic acid, Harpin and Phosphorus acid in control of late blight disease of potato" Page no. 01-03	Journal of Scientific and Technological Research	Sept. 2015	ISSN 2231-4709	Peer reviewed
4	"Studies on Systemic Acquired Resistance in cauliflower against Sclerotinia stalk rot" Page no.69-73	Journal of Scientific and Technological Research	March 2015	ISSN 2231-4709	Peer reviewed
5.	"Traditional Medicinal Plants for Diabetes: A Review" Page no. 81-84	International Archive of Applied Sciences and Technology	Vol 5(10) March 2014	ISSN 2277-1565	International journal Impact factor 0.522
6.	"Use of abiotic and biotic compounds in inducing Systemic Acquired Resistance against white rot of cauliflower caused by <i>Sclerotinia sclerotiorum</i> " Page no. 155-159	Annals of Plant Soil Research	2006	ISSN 0972-1959	Peer reviewed

Dr. Saroj Singh Chahar

1. Saroj Singh Chahar, Vishwajeet Singh, Seema Bhadauria (2014) Microbial and Physio-Chemical Analysis of Pond Water Sample Collected from Different Locations of Agra (U.P.) India.
2. Saroj Singh Chahar (2014) Organic Farming: A Road to Sustainable Agricultural Development: A Review.
3. Saroj Singh Chahar and A. K. Singh (2014) Use of Natural Fiber for Fabrication of Fiber Reinforced Epoxy Based Hybrid Composite.
4. Saroj Singh Chahar, Devesh Kumar, A. K. Singh (2016) Biodiversity Conservation and Sustainable Development : Are We Doing Enough? A Review.
5. Devesh Kumar, Saroj Singh Chahar, A. K. Singh (2016) A Review on Ecological Impact and Ecofriendly Control Methods of *Parthenium hysterophorus* : An Exotic Troublesome Weed in India.

*** Books with ISBN/ISSN numbers with details of publishers :**

(A) K. P. Singh

- (i) Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants. S.R. Scientific, Publication India **(2013)**.
- (ii) Vastu Shastra: Plants and Energy, S.R. Scientific, Publication India **(2016)**.

(B) Dr.Seema Bhadauria

- (i) Usar mridayen aur unka prayogic parikshan.(Sponsored by Central Hindi, Directorate, New Delhi)
- (ii) New horizons in Biofuel Research,2017 published by Ritz publishers,New Delhi.

ANNEXURE – 05

Faculty Members in National Committees, International Committees and Editorial Board.

(A) National Committees

(I) Dr.A K Singh

1. As convener of organizing committee of 7 National conferences
2. General Secretary, Agra University Teachers' Association since 2011.
3. Member of various planning, coordination and inquiry committees of Dr. B.R. Ambedkar Univ., Agra
4. Executive Member in Federation of UP Universities and colleges teachers' Association from 2011-till date
5. Member of Board of Studies of Dr. B.R. Ambedkar University Agra

(II) Dr.K.P.Singh

As **organising secretary** of following 7 National conferences :

1. Conservation, Cultivation and Sustainable Utilization of Medicinal Plants February 26-27, 2011. Sponsored by Department of Higher Education Government of Uttar Pradesh.
2. Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants February. 25-26, 2012. Sponsored by UGC, New Delhi.
3. Climate Change and Biodiversity: Present Status and Future Strategies 3-4 March, 2013. Sponsored by Department of Higher Education Government of Uttar Pradesh.
4. Yamuna Water Pollution and its Control Measures: Present and Future Strategies. 30-31 March, 2014. Sponsored by Department of Higher Education Government of Uttar Pradesh.
5. New Frontiers in **Organic Farming** for **Sustainable** Development of Indian Agriculture March 14-15, 2015. Sponsored by Department of Higher Education Government of Uttar Pradesh.
6. Waste Management and its Control Measures: Present and Future Strategies 27-28 February, 2016 Sponsored by Department of Higher Education Government of Uttar Pradesh.
7. Role of Biotechnology in Agriculture and Rural Development, 4-5, March 2017 Sponsored by Department of Higher Education Government of Uttar Pradesh
8. Member of Board of Studies of Dr. B.R. Ambedkar University Agra
9. NSS officer

(III) Dr. Seema Bhadauria

1. Expert in NANOMISSION- DST, Govt. of India programme.
2. Expert Member of committee for evaluation and promotion of J.R.F. to S.R.F. in JALMA(ICMR), CIRG(ICAR), National Institute of Agroforestry and IARI(PUSA).
3. Member of Advisory board of SaiNath University, Jharkhand
4. Expert Member of committee for evaluation and promotion of Lecturers. in GLA University, Sharda University, Dr.B.R. Ambedkar University, Agra, Dayalbagh University and IP University, New Delhi.
5. Member of **Board of studies** of Dr. B.R. Ambedkar University, Agra
6. Member of Editorial Board of College Magazine (2000-2001, 2002-2004, 2010-2011).
7. Member of Project evaluation and steering committee of DST and DBT, Govt. of India, New Delhi.

(B) International Committees**(I) Dr. Seema Bhadauria**

1. Expert in International Scientific Committee for the Analysis and Restoration of Structures of Architectural Heritage, <http://iscarsah.icomos.org>.
2. Active member of the Organization for Women in Science for the Developing World (OWSD) of TWAS, Italy <http://owsd.ictp.it/member/bhadauria-seema-1>.

As Member of Organizing Committee of National and International Conferences :

1. International workshop on EMERGING OPPORTUNITIES AND TRENDS IN BASIC AND APPLIED SCIENCES 22-24 January 2016 Organised by Dau Dayal Institute of Vocational Education, Dr Bhim Rao Ambedkar University, Khandari, Agra, India Abs .published 15pp
2. In 3rd International Conference on Nanostructured Materials and Nanocomposites_12th -14th December, 2015 at Hindustan College of Science and Technology, Agra –Delhi NH # 2, Farah, Distt. Mathura, U P , India.
3. International Conference On NEW APPROACHES IN FOOD SECURITY AND VALUE ADDITION: TECHNOLOGICAL AND GENETIC OPTIONS February 17-19, 2014 Venue: R.B.S.Engineering Technical Campus, Bichpuri [Agra] , India Organized by P. G. deptt of Food Tech.

(C) Editorial Boards**(I) Dr. Seema Bhadauria**

1. Assistant Editor in Environment conservation Journal (impact factor 0.5)
 2. Assistant Editor of College Journal (Journal of Scientific and Industrial Research)
 3. Journal of Nanotechnology (Guest Editor)
- Reviewer : African Journal of Biotechnology
African Journal of Agricultural Research
Sky Journal of Agricultural Research (SJAR)
International Journal of Agriculture Sciences
Advanced Materials Letters, www.amlett.com.

ANNEXURE – 06**List of Eminent Academicians and Scientists/Visitors**

- 1 Dr.B.D.Kaushik,IARI,New Delhi.
- 2 Prof. R.C. Sobti, Vice Chancellor of Babasahe Bhimrao Ambedkar University, Lucknow
- 3 Dr Aseem,AMU,Aligarh
- 4 Prof.Shashi Chauhan, Professor, jiwaji university, Gwalior (MP)
- 5 Prof.Rajendra Sharma, Professor, Dr B. R. Ambedkar university Agra
- 6 Dr. A.K. Pandey, TFRI, Dehradun
- 7 Dr. Mehta, Sagar University
- 8 Dr. A.K. Kandeya, Bhopal
- 9 Dr. Shailendra Singh, Jammu
- 10 Dr. U.K. Tomar, Jodhpur
- 11 Dr. Ram Mohan Singh, Hissar
- 12 Dr. U.P.S. Bhadauria, Gwalior
- 13 Dr. G.S. Samathanam, DST, New Delhi
- 14 Dr. Laxman Prasad, DST, New Delhi
- 15 Dr. R.K. Tuli, IOI, RD Head
- 16 Dr. D. Das, IIT, Kharagpur
- 17 Dr. S.S. Shukla, BHU, Varanasi
- 18 Dr. Pratibha Sharma, IARI, New Delhi
- 19 Dr. Anoop Mishra, ICAR
- 20 Dr. Anil Saxena, IARI
- 21 Dr. R.K.S. Chauhan, Ex-Vice Chancellor, Jiwaji University,Gwalior
- 22 Dr. P.S. Bisen, Ex-Vice Chancellor, Jiwaji University
- 23 Prof. Raghuvanshi, Jaipur
- 24 Dr. J.N. Govil, IARI
- 25 Dr. A.K. Shukla, Meerut
- 26 Dr. Prem Kumar Dantu, Dayalbagh Educational Institute, Agra
- 27 Dr. J.N. Srivastava, Dayalbagh Educational Institute, Agra
- 28 Dr. S. Rao, Dayalbagh Educational Institute, Agra
- 29 Prof. V. P. Singh, Bareilly
- 30 Dr. U.D. Gupta, Director,Jalma
- 31 Dr. Bhatnagar, Director, ASI
- 32 Dr. D. S. Chauhan, Sr. Scientists, Jalma institute Agra
- 33 Dr. Venketesh , Sr. Scientists , Jalma institute Agra
- 34 Dr. Veenu Joshi, Jalma
- 35 Dr .Sanjay Srivastava, IISS, Bhopal
- 36 Prof. B. N. Johri, Bhopal
- 37 Prof. S.A.S. Biswas,FRI,Dehradun
- 38 Prof. A. C. Gaur, Ex-Head, IARI, New Delhi
- 39 Dr. V. K. Sharma, Scientist, JALMA Institute, Agra
- 40 Dr. C. S. Raghav, ICAR, North-East, New Delhi

ANNEXURE 7a**PAPER PRESENTATION IN CONFERENCES AND SEMINARS****Dr.A K Singh**

1. Samar Vir Singh Rathore, Anil Kumar & A.K. Singh, 2016. Response and Effects of structured communities to Oil petroleum Discharges. *Proceedings*, National seminar on Waste Management and its control Measures: Present and Future Strategies. Department of Botany, RBS College, Agra.
2. A.K. Singh, Anil Kumar & Samar Vir Singh Rathore, 2016. Ecological Implications on Aquatic Biodiversity of Yamuna River due to domestic and Industrial waste disposal in Agra region. *Proceedings*. National seminar on Waste Management and its control Measures: Present and Future Strategies. Department of Botany, RBS college, Agra.
3. Braj Bhushan Singh¹, Devesh Kumar¹, S.A.Mallick², A.K.Singh¹, Seema Bhadauria¹(2011)Effect of Climate Change on Pathological Occurrence of *Sclerotinia sclerotiorum* and its biological control by *Streptomyces*. In Seminar on "Conquering Impact of Climate Change on Agriculture through Organic farming: A global perspective" organized on 20th February, 2011 at D.S. College, Aligarh UP.

Dr.K.P.Singh

1. **Diversity in *Tinospora Cordifolia* in Agra** XXXIV ALL India Botanical Conference held at Department of Botany, University of Lucknow 10-12 October 2011. **Paper Presented**
2. National Seminar on Recent Advances in Plant Biotechnology: Prospectus and Potentials held at Botany Department Aligarh Muslim University Aligarh19-20-February 2011 **Poster Presented**
3. **Ethno-medicinal and Ethno botanical Study of Cucurbits of Agra.** National Seminar on Ethnobotany: Concept and Prospective, held at Botany Department B.S.A. College Mathura, 21-22-March, 2015 **Paper Presented**

Dr.Seema Bhadauria**INTERNATIONAL CONFERENCES/WORKSHOPS :**

1. B.S. Kushwah^a, Vishwajeet Singh^b, Seema Bhadauria^b, Aeshwary Vikram Singh^c 2016 NEED OF SOIL TESTING INSTRUMENTATION FOR FULFILLMENT OF NATIONAL SOIL HEALTH CARD MISSION : AN INNOVATIVE DRIVE UNDER GOVERNMENT-INDUSTRY-INSTITUTION COLLABORATION. In 6th International Conference on "Technology Innovation & Management for

Sustainable Development (TiMS-16)" February 11-13, 2016. ITM University, Gwalior.

2. Seema Bhadauria^a, Vishwajeet Singh^a, B.S. Kushwah^b, Aeshwary Vikram Singh^c NEED OF SKILL DEVELOPMENT IN *On-site* SOIL TESTING INSTRUMENTATION FOR FULFILLMENT OF NATIONAL SOIL HEALTH CARD MISSION: AN INNOVATIVE DRIVE UNDER GOVERNMENT-INDUSTRY-INSTITUTION COLLABORATION. 2016 In 2nd International Conference on "New Challenges in Biotechnology and Molecular Biology in the context of 21 Century" at St. John's College, Agra.
3. B.S. Kushwah^a, Vishwajeet Singh^b, Seema Bhadauria^b, Aeshwary Vikram Singh^c, Kavita Solanki^d IMPACT OF JOINT VENTURE PROJECT ON SOIL TESTING FACILITY FOR FARMERS AND ENTREPRENEURSHIP FOR SOIL TESTING SERVICE PROVIDERS. In 2nd International Conference on "New Challenges in Biotechnology and Molecular Biology in the context of 21 Century" at St. John's College, Agra.
4. Seema Bhaduria, Antimicrobial nanomaterial synthesis by biological Process in International workshop on EMERGING OPPORTUNITIES AND TRENDS IN BASIC AND APPLIED SCIENCES 22-24 January 2016 Organised by Dau Dayal Institute of Vocational Education, Dr Bhim Rao Ambedkar University, Khandari, Agra, India Abs .published 15pp
5. Seema Bhadauria,,B.S.Kushwah Vishwajeet Singh 2015 Antimicrobial Nanomaterials for Combating Drug Resistance and Biofilm Removal. In 3rd International Conference on Nanostructured Materials and Nanocomposites : 12th -14th December, 2015 at Hindustan College of Science and Technology, Agra –Delhi NH # 2, Farah, Distt. Mathura, U P , India. Abs IT 86-88
6. Seema Bhadauria 2014, Biosequestration And Biosynthesis On Silver And Copper Nanomaterials From Industrial Effluents .In International Conference on Nanoscience & Nanotechnology March 8-10, 2014 Department of Applied Physics Aligarh Muslim University (AMU), Aligarh IT46
7. Seema Bhadauria¹, Piero Baglioni², Rodorico Giorgi², B.S.Kushwah³. 2013 Using innovative nanomaterials for biofilm removal from cultural heritage surfaces; an emerging conservation nanotechnology In Seventh International Conference on Biodeterioration of Cultural Property (ICBCP) organized at Aligarh Muslim University, Aligarh (AMU), India, 16th-18th Feb.2013 in Department of Museology.
8. Seema Bhadauria, B.S. Kushwah 2012 1st Annual Conference and EXPO of AnalytiX-2012 In Proceedings of *Quality, Safety and Harmonization* held on

March 23-25, 2012 on Novel Properties of Gold Nanoparticles Conjugated Polyaniline Films.

9. Garima Gupta and Seema Bhadauria "Process Optimization for bioethanol production from Petha Waste". In Proceedings of International Conference on Renewable Energy (ICRE 2011) January 17 - 21, 2011 Centre for Non Conventional Energy Resources, 14- Vigyan Bhawan, University of Rajasthan, Jaipur-302055. India
10. Seema Bhadauria and Garima Gupta "Bioconversion of Waste Potatoes in to ethanol using culture of *Aspergillus awamori* and *Bacillus subtilis*" In Proceedings of International Conference on Renewable Energy (ICRE 2011) January 17 - 21, 2011 Centre for Non Conventional Energy Resources, 14- Vigyan Bhawan, University of Rajasthan, Jaipur-302055. India
11. Seema Bhadauria (2010) Biological Synthesis of Nanomaterials. International Conference on Nanomaterials: Synthesis, Characterization and Applications (ICN-2010) during April 27- 29, 2010 at Mahatma Gandhi University, Kottayam, Kerala, India.
12. Seema Bhadauria .Biological Synthesis of Nanomaterials. In proceedings of International Conference on Advanced Nanomaterials and Nanotechnology (ICANN - 2009) during Dec 9-11th 2010 at IIT Guwahati, India
13. Seema Bhadauria Characterization of Microbially Synthesized Nanoparticles .Indo-Japan Symposium on New trends in Nanotechnology at Hindustan College of Science and Technology, Farah, Mathura, 17th – 18th December 2010 PB - 22.

NATIONAL CONFERENCES:

[A] Nanotechnology

1. B.S.Kushwah*, Seema Bhadauria**, Vishwajeet Singh** 2015 Synthesis, characteristics, processing and applications of biodegradable nanobiopolymer in packaging in National Conference on Nanodevices focusing on Simulation, Modeling and Fabrication of Nanodevices on April 18-19th, 2015
2. Seema Bhadauria¹, Kajal Phulwani¹, Vishnu Singh Sikarwar² 2013. Biofilm removal technique from plastic surfaces using nanomaterials and microbial enzymes. In proceedings of National Seminar on new frontiers in organic farming in sustainable and environment friendly development 13-16 feb 2013 at BSA College, Mathura.
3. Seema Bhadauria , M.S.Gaur , Ramvir Singh Chauhan , B.S.Kushwah , Pankaj Gupta , Manish Dubey ORIGIN OF SILVER NANOMATERIALS BY

BIOMOLECULES PLANTS In Proceedings of National Seminar on "Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants" 2012 Abs.9 organised by R.B.S.College,Agra Sponsored by University Grants Commission, New Delhi

4. *Manish Dubey, Seema Bhadauria, R.K. Gautam and V.M.Katoch* ANTIMICROBIAL ACTIVITY OF NANOSILVER SYNTHESIS BY GREEN EXTRACT OF MEDICINAL PLANTS In Proceedings of National Seminar on "Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants" 2012 Abs.26 organised by R.B.S.College,Agra Sponsored by University Grants Commission, New Delhi
5. Seema Bhadauria¹, Ratnika Varshney¹, Anuj Narayan Mishra¹, M. S. Gaur², Renu Pasricha³, B. S. Kushwah⁴, R. S. Chauhan⁵ (2011) BIOREMEDIATION OF INDUSTRIAL EFFLUENTS LEADING TO NANOPARTICLES SYNTHESIS In National Review and Coordination Meeting on Nano science and Nanotechnology NSNT2011 held at IIT, New Delhi 25th-27th February 2011 (Abs No.)

Micropropagation ,Biodiversity,Medicinal plants

6. Seema Bhadauria¹, Sadhna jadon¹, Ankita Srivastava² 2013 DST- FICCI Millennium Alliance Launch, Agra at Grand hotel, Agra On 12 Feb.2013.
7. Seema Bhadauria¹, Sadhna jadon¹, Ankita Srivastava² 2013 Antimicrobial Activity of *tinospora cordifolia* leaf extracts against pathogenic bacteria. In proceedings of national seminar on new frontiers in organic farming in sustainable and environment friendly development 13-16 feb 2013 at BSA College, Mathura.
8. *Anjana agnihotri, Kapil Kumar, Seema Bhadauria* STUDIES ON THE ANTIMICROBIAL EFFECTS OF GARLIC (ALLIUM SATIVUM) In Proceedings of National Seminar on "Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants" 2012 Abs.75 organised by R.B.S.College, Agra Sponsored by University Grants Commission, New Delhi
9. *Vishnu Singh and Seema Bhadauria* MICROPROPAGATION OF AONLA (*EMBLICA OFFICINALIS* VAR.) In Proceedings of National Seminar on "Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants" 2012 Abs.45 organised by R.B.S.College,Agra Sponsored by University Grants Commission, New Delhi
10. *Kapil Kumar, Manish Dubey, Seema Bhadauria* EVALUATION OF EXTRACTS OF CINNAMOMUM CASSIA FOR POTENTIAL ANTIBACTERIAL ACTIVITY In Proceedings of National Seminar on "Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal

Plants” 2012 Abs.23 organised by R.B.S.College,Agra Sponsored by University Grants Commission, New Delhi

11. Seema Bhadauria and Sadhna Jadon. Micropropagation of Tinospora. 2010 In proceedings of National Conference on Role of Biodiversity in Sustainable Agriculture, March 4-5, B Dept. of Botany, Bundelkhand University, Jhansi – 284128 (U.P.)

Instrumentation

12. Seema Bhadauria¹, Brajesh Singh Kushwah², R.K.S. Rathore¹ 2013. Basics for developing soil instruments and sensors. In Proceedings of 17th National Seminar on Physics and Technology of Sensors held by Jamia Millia Islamia (Central University), New Delhi during 11th to 13th March, 2013
13. Seema Bhadauria, B.S. Kushwah 2012. Concept on Developing Soil and water testing Sensors In proceeding of 1st DST-CSIR Sensor Hub Workshop at CGCRI, Kolkatta held on August 21 – 25, 2012.
14. Seema Bhadauria*, B.S. Kushwah. Concept on Developing Soil Sensors. In National Conference on Sensors & Actuators: Science to Technology (NCSA– 11)” on 11th and 12th March at Central Glass & Ceramic Research Institute, Kolkatta

Environment ,Energy and Waste Management

15. Seema Bhadauria¹, Vinod Kumar¹, Vishwajeet Singh², B.S. Kushwah² 2013 Generating Entrepreneurship through soil testing and organic bioformulation development by farmers. In proceedings of National Seminar on new frontiers in organic farming in sustainable and environment friendly development 13-16 feb 2013 at BSA College, Mathura.
16. Seema Bhadauria^a, Vishwajeet Singh^a, Aeshwary Vikram Singh^b, Anuradha Singh^a, B.S. Kushwah^c, Abhishek Kumar^d 2016 INNOVATIVE DESIGNS AND THEIR EFFECIENCY TO MANAGE URBAN MUNICIPAL SOLID WASTE. in National Seminar on Waste Mangement and its control measures; Present and future stratigies at RBS College Agra on 27-28th Feb. 2016
17. WAHI NITIN, BHATIA A.K AND BHADAURIA SEEMA 2013. BIOACTIVE COMPOUNDS FROM ALGAL SOURCE OF THE GENUS GRACILARIA AND CHLORELLA: Abs.No. BT/018/PO In Proceedings of Ist National Conference 2013 "PAMMME" "Phytomedicine- An Alternate to Modern Medicine and Their Molecular Expression" (16-17 Feb ,2013) at GLA University, Mathura.

18. Dheeraj Mohan Singhal¹, Suchi Goyal¹, A.C.Gaur², N.C.Upadhyaya³, Seema Bhadauria¹, Anil K. Das² Managing Parthenium by vermicomposting and its comparison with Neem biomass. In Seminar on "Conquering Impact of Climate Change on Agriculture through Organic farming: A global perspective" organized on 20th February, 2011 at D.S. College, Aligarh UP.
19. Seema Bhadauria¹, R.M.S.Sengar², Dheeraj Mohan³, Chatar Singh Dhanai⁴ and B.S.Kushwah⁵ (2011) Biotechnological intervention for carbon dioxide reduction in alkaline wastelands. In Seminar on "Conquering Impact of Climate Change on Agriculture through Organic farming: A global perspective" organized on 20th February, 2011 at D.S. College, Aligarh UP.
20. Seema Bhadauria¹, B.S.Kushwah, Vishwajeet Singh¹, Sadhna Jadon, Ankita Srivastava (2011) Enhancing Soil Organic Carbon sequestration by organic farming practices: Issues and benefits. In Seminar on "Conquering Impact of Climate Change on Agriculture through Organic farming: A global perspective" organized on 20th February, 2011 at D.S. College, Aligarh UP.
22. Seema Bhadauria et.al (2011) Bioethanol production-Recent advances- In Proceedings of National Combined Seminar, held at D.N.College, Meerut on 5-6th Feb 2011. sponsored by UGC, New Dehi.

Plant Pathology

23. Braj Bhushan Singh¹, Devesh Kumar¹, S.A.Mallick², A.K.Singh¹, Seema Bhadauria¹ (2011) Effect of Climate Change on Pathological Occurrence of *Sclerotinia sclerotiorum* and its biological control by *Streptomyces*. In Seminar on "Conquering Impact of Climate Change on Agriculture through Organic farming: A global perspective" organized on 20th February, 2011 at D.S. College, Aligarh UP.

Biofertilizers

24. Seema Bhadauria¹, Vinod Kumar¹, Vishwajeet Singh², B.S.Kushwah² 2013 Generating Entrepreneurship through soil testing and organic bioformulation development by farmers. In proceedings of National Seminar on new frontiers in organic farming in sustainable and environment friendly development 13-16 Feb 2013 at BSA College, Mathura.

Extension, Education

25. Seema Bhadauria and Anuradha Chauhan 2016 Growth phases of educational Heritage in India, In National Seminar on Recent advances in Higher Education at Govt.College, Fatehabad on 20-21 Feb 2016.
26. Sunil Bhadauria¹, Seema Bhadauria², Vishwajeet Singh^{2a}, Vinod Kumar^{2a}, B.S.Kushwah³ 2016 NEED OF SKILL DEVELOPMENT IN HIGHER EDUCATION IN INDIA In National Seminar on Recent advances in Higher Education at Govt.College, Fatehabad on 20-21 Feb 2016.

Dr. Anil Kumar

S. No.	Title of the Paper presented	Title of Conference / Seminar	Organized by	level
01	Biodiversity of Herbal Plants and their conservation in Agra Region.	Role of Biodiversity in Sustainable Development.	Deptt. Of Botany, Bundelkhand University, Jhansi	National
02	Scientific attitude for educational excellence.	Teacher Empowerment and Educational Excellence: Vision 2020	RBS College, Agra	National
03	Sustainable development: A pragmatic solution for biodiversity conservation.	Climate Change and Biodiversity	Deptt. Of Botany, RBS, College, agra	National
04	Role of Integrated Nutrient management in Sustainable Agriculture.	New Frontiers in Organic Farming in Sustainable and Environment Friendly Development.	Deptt. Of Botany, BSA, college, Mathura	National
05	Role of Teachers in motivation of students and goal achievement in present age of competition and excellence.	Motivation, Goal Achievement and Sub conscious Mind		National
06	Algal blooms and impacts on aquatic ecosystems of fresh water bodies.	Biodiversity of Aquatic Environment in relation to Industrial Pollution with special Reference to fish Diversity.	Madhya Pradesh Biodiversity Board, Bhopal (M.P.)	National
07	Effects of Industrial waste disposal on physico-chemical properties of Yamuna Water.	National Conference on Energy and Environmental Issues related to chemical Industries	Department of Chemical Engineering, Faculty of Engineering & Technology, RBS, and IICHE, Kanpur	National
08	Reforms in Examination and Evaluation and its impact on quality education.	International Education conference	Faculty of Education, RBS, College, Agra	International

Dr.Devesh Kumar

S. No.	Title of the Paper presented	Title of Conference / Seminar	Organized by	Level
1.	"In situ conservation strategies for medicinal plants"	National Seminar on Conservation, Cultivation and utilization of Medicinal Plants Date: 26-27 Feb. 2011	Department of Botany, RBS College, Agra and sponsored by Department of Higher Education, Government of Uttar Pradesh	National
2.	"Ethnomedicinal uses of Medicinal Plants of Agra"	National Seminar on Conservation, Cultivation and Sustainable utilization of Medicinal and Herbal Plants" Date: 25-26 Feb.,2012	Deptt. of Botany, RBS College, Agra Sponsored by UGC, New Delhi	National
3.	"Biocontrol agents in Integrated Pest Management"	National Seminar on New Frontiers in Organic Farming in Sustainable and Environment Friendly Development Date:16-17 Feb.2013	Deptt. of Botany, BSA College, Mathura Sponsored by Department of Higher Education, Government of Uttar Pradesh	National
4.	"Role of Microorganisms in Abatement of Water Pollution"	National Seminar on Yamuna water Pollution and its Control Measures: Present and Future Strategies Date:30-31 March-2014	Deptt. of Botany, RBS College, Agra Sponsored by Department of Higher Education, Government of Uttar Pradesh	National

Dr.Saroj Singh Chahar

1. 'Medicinal Values of Plants and Mental Health' (2012) in National Conference on 'Mental Health and Well-Being : Recent Trends and Interventions'.
2. 'Diversity of Adatoda Vasica Nees(Medicinal herb)' (2012) in National Seminar on 'Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants'.
3. 'Hindukush Vegetation Brought in Northern India' (2012) in National Conference and Workshop on 'Labour Migration, Dialects and Development of Language'.
4. 'Organic Agriculture: Scope for Sustainable Agricultural development in India' (2013) in National Seminar on 'New Frontiers in Organic Farming in Sustainable and Environment Friendly Development'.
5. 'Study on Biodiversity Conservation of Sur Sarovar, Agra' (2013) in National Seminar on 'Climate Change and Biodiversity'.

6. 'Impact of Religious Karmas on Pollution in River Yamuna' (2014) in National Seminar on 'Yamuna Water Pollution and its Control Measures'.
7. 'Contribution of Organic Farming Towards Sustainable Development' (2015) in National Seminar on 'New Frontiers in Organic Farming for Sustainable Development of Indian Agriculture'.
8. 'Biodiversity Conservation and Sustainable Development : Are We Doing Enough? A Review' (2016) in National Seminar on 'Biodiversity Conservation and Sustainable Development'.
9. 'Impact of Different Waste Management Models on Environment : A Study' (2016) in National Seminar on 'Waste Management and its Control Measures'.
10. 'Climate Change and Biodiversity-Facing the Challenge : A Holistic Approach' (2016) in National Conference on 'Climate Change, Environmental Hazards and Biodiversity Conservation'.
11. International Workshop on 'Emerging Opportunities and Trends in Basic and Applied Sciences'.

ANNEXURE 7b**TRAININGS /COURSES/WORKSHOPS****Dr.Seema Bhaduria**

1. Participated in Group Monitoring Workshop for TISAN, SYST & STAWS programmes of SEED, Department of Science & Technology; Govt. of India being organized by Punjab State Council for Science & Technology (PSCST) on 10-11 Feb 2014 at Chandigarh.
2. Participated in workshop during 6th- 7th September, 2013 at the National Dairy Research Institute (NDRI), Karnal, Haryana for building awareness about the need and nature of basic/strategic research in agriculture under National Fund for Basic, Strategic and Frontier Application Research in Agriculture(NFBSFARA) of ICAR.

Dr.Anil Kumar

Refresher course from 02-03-2010 to 22-02-2010 at UGC Academic Staff College, Punjab University, Chandigarh

Computer Training course from 20-06-2013 to 26-06-2013 at DR. Bhim Rao Ambedkar Polytechnic, Agra

Dr.Devesh Kumar

Four weeks UGC Sponsored Orientation Programme at UGC Academic Staff College, AMU, Aligarh

Three weeks UGC Sponsored Subject Refresher Course at UGC Academic Staff College, AMU, Aligarh

Dr.Saroj Singh Chahar:

S. No.	Course Name	Duration	Organized By
1	UGC Sponsored Orientation Programme	4 Weeks	UGC Academic Staff College, AMU, Aligarh
2	UGC Sponsored Subject Refresher Course	3 Weeks	UGC Academic Staff College, AMU, Aligarh

3. Evaluative Report of the Departments

DEPARTMENT OF PHYSICS

1. Name of the Department : **PHYSICS**
2. Year of Establishment : **UG – 1947**
: **PG - 1959**
3. Names of Programmes / Courses offered : **UG (B. Sc.)**
(UG, PG, M.Phil., Ph.D., Integrated : **PG (M. Sc.)**
Masters; Integrated Ph.D., etc.) : **Ph. D.**
4. Names of Interdisciplinary courses and the : **Nanotechnology**
departments/units involved
5. Annual/ semester/choice based credit system : **Annual**
(programme wise)
6. Participation of the department in the courses : **NIL**
offered by other departments
7. Courses in collaboration with other : **NIL**
universities, industries, foreign institutions, etc.
8. Details of courses/programmes discontinued : **Nil**
(if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	07
Assistant Professors	9	01

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Ramvir Singh Chauhan	M. Sc., Ph. D.	Associate Professor	Material Science	29	4/12
Dr. A. K. Gautam	M. Sc., Ph. D.	Associate Professor	High Energy & Particle Physics	29	0/4
Dr. Ajay Kumar	M. Sc., Ph. D.	Associate Professor	Solar Energy	27	---
Dr. Kripa Shanker Singh	M. Sc., Ph. D.	Associate Professor	Condensed Matter Physics	27	2/5
Dr. Surekha Tomar	M. Sc., Ph. D.	Associate Professor	Atomic, Molecular and Cluster Collisions + Statistics Theory	16	2/2
Dr. Veena Krishan Singh	M. Sc., Ph. D.	Associate Professor	Condensed Matter Physics	16	---
Dr. Amita	M. Sc., Ph. D.	Associate Professor	Nuclear Physics	16	---
Dr. Chanchal Pal Singh	M. Sc., Ph. D.	Mandai Lecturer	Condensed Matter Physics	10	----

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **1. Dr. Prabhakar Singh**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 20%**
13. Student -Teacher Ratio (programme wise) : **UG – 80 : 1**
PG – 7 : 1

14. Number of academic support staff (technical)
: and administrative staff; sanctioned and
filled

Post	Sanctioned	Filled
Lab. Assistant	2	2
Lab. Attendant	4	1

15. Qualifications of teaching faculty with : **M. Sc., Ph. D. - 08**
DSc/ D.Litt/ Ph.D/ MPhil / PG. **M. Phil. – 02, NET - 03**

16. Number of faculty with ongoing projects from : **01**
a) National b) International funding agencies
and grants received

“To study the valence band structure of undoped and transition metal doped SnO₂” (since 2015)

**Funded by UGC-DAE, CSR, Indore.
Project Fellow + Contingency**

17. Departmental projects funded by DST - FIST; :
UGC, DBT, ICSSR, etc. and total grants received

1. **Synthesis and modification of transparent conducting oxides by
swift heavy ion irradiation (2008-2011)**
DAE-BRNS, Mumbai Rs. 19,80,500/-

2. **SHI induced modification of thin film and nanostructure of TCO
(2010-2013)**
DST, New Delhi Rs. 23,80,000/-

18. Research Centre /facility recognized by the : **Yes**
University **DSIR, New Delhi**
Dr. B. R. Amedkar
University,
Agra

19. Publications : **Refer ANNEXURE - 02**
a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Ramvir Singh Chauhan	16	---
Dr. Kripa Shanker Singh	4	---
Dr. Surekha Tomar	6	1
Dr. Chanchal Pal Singh	5	---
Total	31	01

* Number of papers published in peer reviewed journals (national / international) by faculty and students	- 31
* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	- 20
* Monographs	- NIL
* Chapter in Books	- 01
* Books Edited	- NIL
* Books with ISBN/ISSN numbers with details of publishers	- 01
* Citation Index	- NIL
* SNIP	- NIL
* SJR	- NIL
* Impact factor	- NIL
* h-index	- NIL

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees :

(A) Dr. Ramvir Singh Chauhan

- Expert Member in UFR Scheme of IUAC, New Delhi
- Indian Association of Physics Teachers
- Ion Beam Society of India

(B) Dr. Kripa Shankar Singh

- Indian Science Congress Association
- Indian Association of Physics Teachers
- Indian Physics Association

(C) Dr. Surekha Tomar

- Subject Expert (Physics) in CBSE for Entrance Exam (NEET/IIT-JEE)
- National Conference of Atomic & Molecular Physics (Life Member) [NCAMP]
- Indian Science Congress Association
- Indian Society of Physics

(D) Dr. Veena Krishan Singh

- Indian Association of Physics Teachers
- DREAM from Vigyan Prasar, New Delhi

(E) Dr. Amita

- Indian Physical Society
- Indian Science Congress Association

b) International Committees : **NIL**

c) Editorial Boards :

(A) Dr. Ramvir Singh Chauhan

- Chief Editor of “The Journal of Agricultural and Scientific Research”

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **20%**

23. Awards / Recognitions received by faculty and students**(A) Dr. Ramvir Singh Chauhan**

- “Prashasti Patra for Matdata Jagrukta Abhiyan of CEO, U.P.” by Hon’ble Governor of U.P. (2014)

(B) Dr. Surekha Tomar

- “Sudhi Shikshak Samman” on Teacher’s Day by Sahitya Sadhika Samiti.

24. List of eminent academicians and scientists/ visitors to the department:

1. Prof. G. K. Mehta (Former Director, NSC, New Delhi & former Vice Chancellor, Allahabad University, Allahabad)
2. Dr. D. K. Avasthi (Senior Scientist, IUAC, New Delhi)
3. Prof. Jai Shanker, Dr. B. R. Ambedkar University, Agra
4. Prof. Shikha Verma, IOP, Bhuvaneshwar
5. Dr. Ambuj Tripathi (Senior Scientist, IUAC, New Delhi)

6. Prof. W. Bolse, Stuttgart University, Germany

7. Mr. Christian Rumboltz, Stuttgart University, Germany

8. Prof. S. Szenes, Hungary

9. Dr. B. S. Rajput, Ex Vc H.n. Bahuguna Sri Nagar, Garhwal.

10. Dr. D. D. Pant, Ex. Principal Govt. College.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - NIL

b) International - 01

International Conference on Nano-structuring by Ion Beams (ICNIB – 2015) jointly in collaboration of IUAC, New Delhi, St. John's College, Agra and Dr. B. R. Ambedkar University, Agra.

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. Part - I	2016-17	680	191	141	50	
	2015-16		218			
	2014-15		195			
	2013-14		216			
	2012-13		146			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. Part - I	2016-17	167	39	16	23	
	2015-16		32			
	2014-15		29			
	2013-14		28			
	2012-13		39			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Part – I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Part – I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **13**
(Annexure – 03)

29. Student progression

Student progression	Against % enrolled
UG to PG	15%
PG to M.Phil.	2%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	20 Nos.
Entrepreneurship/Self-employment	Yes

30. Details of Infrastructural facilities
- | | |
|---|---|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : Yes |
| c) Class rooms with ICT facility | : Yes, One Seminar Room |
| d) Laboratories | : UG - 03
PG – 02 + 01 Dark-room |
31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

Following activities were organized in the department to enrich and develop the students :

- **Weekly Seminars**
- **Science Day celebration including quiz, debates, poster competition**
- **Courses attended by faculty :**
Dr. Veena Krishan Singh
 - **Short Term professional course organized by UGC-ASC at Lucknow University, Lucknow.**
 - **Training for NSS Programme Officer from Empanelled Training Institute (E.T.I.) at St. John's College, Agra accredited by the Ministry of Youth Affairs & Sports, Govt. of India from 1-7 Aug., 2013**
- **Conferences attended by faculty to improve competency and update themselves for the benefit of students :**

1. Dr. Ramvir Singh Chauhan

- **International Conference on Nano-structuring by Ion Beams (ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015**
- **Internantional conference on Radiation Effects in Insulators (REI-2015) held at Jaipur organized by MNIT, Jaipur and IUAC, New Delhi, from October, 26-31, 2015.**
- **National conference on materials and their energy applications (NCME-2014) from December 22-24, 2014 at S. S. Jain Subodh P. G. College, Jaipur**

- International conference on nanostructuring by ion beams (ICNIB 2013) from 23rd Oct. to 25th Oct. 2015 held at Jaipur organized jointly by Rajasthan University, Jaipur and IUAC, New Delhi.
- National conference on earthquake hazards and mitigation (NCEHM-2012) organized by Eshan College of Engineering, Farah, Mathura from Nov. 9-10, 2012.
- Conference on Nanostructuring by ion beams (NIB-2011) organized by University of Allahabad and Inter University Accelerator Centre (IUAC), New Delhi
held at University of Allahabad during October 17-19, 2011.
- International conference on Radiation Effects in Insulators (REI-2011) held at Peking University, Beijing, China from August, 14-19, 2011.
- National conference on recent advances in physics and technologies (NCRAP-2011) from 26th to 27th March 2011 held at Agra college, Agra.

2. Dr. A. K. Gautam

- International Conference on Nano-structuring by Ion Beams (ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015

3. Dr. Ajay Kumar

- International Conference on Nano-structuring by Ion Beams (ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015

4. Dr. Kripa Shankar Singh

- International Conference on Nano-structuring by Ion Beams (ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015

5. Dr. Surekha Tomar

- International Conference on Nano-structuring by Ion Beams (ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015

6. Dr. Veena Krishan Singh

- International Conference on Nano-structuring by Ion Beams

(ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015

- International Conference on “Nanoscience & Tech. in Chemistry, Health, Environment and Energy” organized by D.D.I., Agra .

7. Dr. Amita

- International Conference on Nano-structuring by Ion Beams (ICNIB) organized by Dr. B. R. Ambedkar University, R. B. S. College, Agra, IBSI and IUAC, New Delhi in 2015

8. Dr. Chanchal Pal Singh

- International conference on Nanostructuring by Ion Beam (ICNIB- 2015) November 23-25, 2015
- National conference on Natural Hazards and Mitigation by Esan College of engineering December 4-5, 2012.

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**
- **LCD**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

1. Dr. Ramvir Singh Chauhan

- **Programme Coordinator of National Service Scheme (NSS), Dr. B. R. Ambedkar University, Agra.**
- **Participated in “Matdata Jagruk Programme”**
- **Participated in “Blood Donation Camps”**

2. Dr. Veena Krishan Singh

- **Programme Officer of National Service Scheme (NSS)**
- **Participated in :**
 - **“Beti Bachao, Beti Padhao”**
 - **“Voter Awareness”**
 - **Awareness about Cyber Crime”**

35. SWOC analysis of the department and Future plans

STRENGTHS : a) Department has area of different specializations including condensed energy physics, high energy and particle physics, nuclear physics, solar energy, Atomic, molecular and cluster collisions, statistical approach in steller space in 2D and 3D space.

WEAKNESSES : a) Lack of adequate funds.
b) Lack of repairing and maintenance centre.
c) Lack of trained technical staff.
d) Lack of Computer Centre.
e) Lack of well equipped and furnished Lecture

Theatre.

f) Quality of students is poor. Students are less exposed and are generally from the rural background.

OPPORTUNITIES : Number of experts are available but research facilities (Research Journal/e-network) are not adequate.

CHALLENGES : a) In comparision to student number, teaching staff is limited.
b) Declining percentage of quality of students.

ANNEXURE – 01**List of Ph. D. Scholars**1. **Dr. Ramvir Singh Chauhan**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Jaiprakash	Synthesization and Characterization of Multiferroic Materials	Awarded
2	Pramod Kumar	Study of Electroactive Properties of Multifunctional Polymer Nanocomposites	Awarded
3	Snehlata Kashyap	Analysis of Thermoelastic Properties and melting of Solids	Awarded
4	Mohit Johri	Study of Physical Properties of Zinc Oxide Films	Awarded

2. **Dr. Kripa Shankar Singh**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Sanjay Kumar Gautam	Analysis of Gruneisen Parameter and its volume dependence for ionic solids	Awarded
2	Bhoopendra Singh Rathore	Study of charge storage and transport mechanism in ion beam irradiated nanocrystalline organic solids	Awarded

3. **Dr. Surekha Tomar**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Neelam Tiwari	Collision of Electron with Atoms, Molecules and Clusters	Awarded
2	Ranjeet Kumar	A Statistical Theory of the disruption of three body problem into a binary and escaping body	Awarded

ANNEXURE – 02**Detail of Publications****1. Dr. Ramvir Singh Chauhan**

1. Effect of ion velocity on SHI-induced mixing in Ti/Bi system, Nisha Bansal, Sarvesh Kumar, Saif Ahmad Khan & **R. S. Chauhan**, Radiation Effects & Defects in Solids 171 (2016) 290 .
2. Dielectric properties of sol-gel synthesized polysulfone-ZnO nanocomposites, Pramod Kumar Singh, M. S. Gaur, **R. S. Chauhan**, J. Thermal Analysis and Calorimetry 122 (2015) 725.
3. SHI irradiation induced amorphization of nanocrystalline tin oxide thin film at low temperature, **R. S. Chauhan**, Vijay Kumar, Anshul Jain, Deepti Pratap, D. C. Agarwal, R. J. Chaudhary, Ambuj Tripathi, Adv. Mat. Lett. 5(11) (2014) 666.
4. Study of the structural, dielectric and magnetic properties of $\text{Bi}_{1-x}\text{Ba}_x\text{FeO}_3$ ($x = 0.1, 0.2, 0.3, \text{ and } 0.4$), Jaiprakash, **R. S. Chauhan**, Ravi Kumar, Yogesh Kumar, N. Vijayan, J. Alloys and Compounds 598(2014) 248.
5. Investigation of energetic ion-induced mixing in Bi/Ge system, Nisha Bansal, Sarvesh Kumar, Deepti Pratap, Saif Ahmad Khan, and **R. S. Chauhan**, Radiation Effects & Defects in Solids 169 (2014) 855.
6. Analysis of thermoelastic properties and equation of state for cyclopentane, tetramethylsilane and 2,3-dimethylbutane, **R. S. Chauhan**, P Singh & C P Singh, Physics and Chemistry of Liquids 51(2013) 294.
7. Modification of nanocrystalline rf sputtered tin oxide thin film using SHI irradiation, Vijay Kumar, Anshul Jain, Deepti Pratap, D. C. Agarwal, I. Sulania, V.V. Siva Kumar, A. Tripathi, S. Varma, **R. S. Chauhan**, Adv. Mat. Lett. 4(6) (2013) 428.
8. SHI induced modifications in SnO_2 thin films: Structural, optical and surface morphological studies, **R. S. Chauhan**, Vijay Kumar, D.C. Agarwal, Deepti Pratap, I. Sulania, A. Tripathi, Nuclear Instruments and Methods in Physics Research B 286 (2012) 295.
9. Nano/micro -structuring of oxide thin film under SHI irradiation, **R. S. Chauhan**, D.C. Agarwal, S. Kumar, S.A. Khan, D. Kabiraj, I. Sulania, D.K. Avasthi, W. Bolse, Vacuum 86 (2011) 96.

10. Inverted equations of state for solids under high pressures, **R. S. Chauhan**, K. Lal C. P. Singh, Indian J. Phys. 85 (2011) 1341.
 11. Role of melting temperature in intermixing of miscible metal/metal bilayers induced by swift heavy ions, A. Gupta, **R. S. Chauhan**, D.C. Agarwal, S. Kumar, S.A. Khan, S. Mohapatra, A. Tripathi, T. Som, Radiation Effects & Defects in Solids 166 (2011) 689.
 12. Study of dielectric properties of single phase $\text{Bi}_{1-x}\text{Ca}_x\text{FeO}_3$ ($x = 0.1, 0.3, 0.5$) Jaiparkash, Yogesh Kumar, **R.S. Chauhan**, Ravi Kumar, Solid State Sciences 13 (2011) 1869.
 13. Swift heavy ion-induced interface mixing in Si-Nb thin film system, K. Diva, **R.S. Chauhan**, Sarvesh Kumar, B.R. Chakraborty, Radiation Effects & Defects in Solids 166 (2011) 696.
 14. Study of thermelastic properties of liquid toluene, **R. S. Chauhan**, P. Singh, C. P. Singh, Indian Journal of Pure & Applied Physics. 49 (2011) 535.
 15. Analysis of thermal expansivity and isothermal compressibility of liquid hexane and chloroform, **R.S. Chauhan**, P Singh, C P Singh, Indian J. Phys. 85 (2011) 421.
 16. Defects induced melting in alkali halides, **R. S. Chauhan**; K. Snehalata, C. P. Singh; Physica B 406 (2011) 567.
2. **Dr. Kripa Shankar Singh**
1. Thermoelastic parameters for the core of the earth, K. S. Singh et al, Journal of Scientific & Technological Research, 1 (2011) 1.
 2. Investigation of thermally stimulated properties of SHI beam irradiated polycarbonate/ polystyrene double layered samples, K. S. Singh et al, Nuclear Instruments and methods in Physics Research B 269 (2011) 2792
 3. Analysis of melting of pyrope compound at high pressures, K. S. Singh, Solid State Sciences(b), 14 (2012) 258.
 4. Second order and third order Gruneisen parameters at extreme compression, Physica B 407 (2012) 668.

3. Dr. Surekha Tomar

1. "A Statistical approach of families of triple close approaches occurring in stellar systems in three dimensions (II)" International journal of scientific Research in Vol 3, Issue 7, July 2014
2. " A Statistical approach of two – parameter families of triple close approaches in stellar system (I)" International journal of scientific Research in Vol 3, Issue 07 July 2014.
3. Total ionization cross sections of NO_2 , CO and CS molecules due to electron impact' J Atomic and molecules Sci. 4 (2013), 30.
4. "Electron impact ionization cross sections of allene and propene molecules at low and high energy range. J. At. M01. Sc 3 (2012) 209.
5. K shell ionization cross sections of transition and non metals by electron impacts J. At. M01. Sci-2 (2011) 122.
6. K. shell ionization cross sections of light atoms due to electron impact J. At. M01 Sci 2 (2011) 109

Books Published

1. **CSIR-UGC for NET/JRF/SET – Physical Sciences** (Four editions published)
ISBN No. 978-81-7482-527-8
Published by Upkar Prakashan, Agra

4. Dr. Chanchal Pal Singh

1. Analysis of thermoelastic properties and equation of state for cyclopentane, tetramethylsilane and 2, 3-dimethylbutane, R. S. Chauhan, P. Singh and **C. P. Singh**, Physics and Chemistry of Liquids 51 (2013) 294
2. Defects induced melting in alkali halides, R. S. Chauhan, K. Snehlata and **C. P. Singh**, Physica B 406 (2011) 567.
3. Inverted equation of state for solids under high pressures, R. S. Chauhan, K. Lal and **C. P. Singh**, Indian J. Phys. 85 (2011) 1341.
4. Analysis of thermal expansivity and isothermal compressibility of liquid hexane and chloroform, R. S. Chauhan, P. Singh and **C. P. Singh**, Indian J. Phys. 85 (2011) 421.
5. Study of thermoelastic properties of liquid toluene, R. S. Chauhan, P. Singh and **C. P. Singh**, Indian J. Phys. 49 (2011) 421.

ANNEXURE – 03**Detail of students cleared National/State Competitive Examination**

<u>Name of Student</u>	<u>Examination Passed</u>
1. Archana Dixit	- GATE
3. Ajay Kumar Singh	- GATE
4. Priti Sharma	- NET/GATE/JEST
5. Pramod Rajpur	- GATE
6. Vishnu Kumar Rathor	- NET
7. Sapna Mudgal	- NET/JRF
8. Prabal pratap Singh	- NET/GATE
9. Durgesh Kuma	- JEST
10. Nldhi	- Gate/JEST
11. Bindu	- Gate/NET
12. Amit Kumar	- GATE
13. Chanchal	- IIT-JAM
14. Akhlank Jain	- Gate/NET/JEST

3. Evaluative Report of the Departments

DEPARTMENT OF ZOOLOGY

1. Name of the Department : **ZOOLOGY**
2. Year of Establishment : **UG : 1940 with Botany
1942 Independent
PG : 1949**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Sc.)
PG (M. Sc.)
Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **Biotechnology**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **Biotechnology**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	03
Assistant Professors	7	01

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. R. K. Verma	M. Sc., Ph.D.	Associate Professor	Entomology	21	8/19
Dr. Kamal Singh	M. Sc., Ph.D.	Associate Professor	Entomology	16	4/4
Dr. Rajvir Singh	M. Sc., Ph. D.	Associate Professor	Ichthyology (Fishes) & Entomology	15	1/3
Dr. Shyam Gupta	M. Sc., Ph. D.	Mandai Lecturer	Ichthyology & Wild Life	10	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : 1. Dr. K. K. Gaur
2. Dr. A. K. Kulshreshtha

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Lectures – 34%
Practical – 30%

13. Student -Teacher Ratio (programme wise) : UG – 35 : 1
PG – 6 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	2	1
Lab. Attendant	4	0

15. Qualifications of teaching faculty with DSc./ D.Litt/ Ph.D/ MPhil / PG. : M. Sc., Ph. D. - 04
NET - 01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST - FIST; : 01 (Aug. 2010 to Aug. 2013)

UGC, DBT, ICSSR, etc. and total grants received

Funded By C.S.T., U.P., Lucknow

18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
Agra

19. Publications : **Refer ANNEXURE - 02**

- * a) Publication per faculty

Dr. R. K. Verma	04
Dr. Kamal Singh	08
Dr. Rajvir Singh	01
Total	13

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **13**

- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**

- * Monographs : **NIL**

- * Chapter in Books : **NIL**

- * Books Edited : **NIL**

- * Books with ISBN/ISSN numbers with details of publishers : **NIL**

- * Citation Index : **NIL**

- * SNIP : **NIL**

- * SJR : **NIL**

- * Impact factor : **NIL**

- * h-index : **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

- a) National committees : **1. Dr. R. K. Verma**
Member, Board of

Studies

- b) International Committees : **NIL**

- c) Editorial Boards : **1. Dr. Kamal Singh**
Member, College
Magazine Editorial Board

22. Student projects

- a) Percentage of students who have : **NIL**
done in-house projects including inter
departmental/programme
- b) Percentage of students placed for
projects in organizations outside
the institution i.e.in Research laboratories/
Industry/ other agencies

23. Awards / Recognitions received by faculty and students

- 1. Gajendra Singh Tomar** - **Young Scientist Award**
2. Rakhi - **Young Scientist Award**
3. Gaurav Verma - **M. Sc. 2012 Gold Medal**
4. Gauri Pathak - **M. Sc. 2014 Gold Medal**

24. List of eminent academicians and scientists/: **Refer ANNEXURE - 03**
visitors to the department25. Seminars/ Conferences/Workshops organized & the source of
funding

- a) National - **01 : CST, U.P., Lucknow**
01 : M.G.D.C. and S.E.W.A.
- b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. Part - I	2016-17	340	172	55	117	
	2015-16		192			
	2014-15		173			
	2013-14		172			
	2012-13		164			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. Part - I	2016-17	141	42	07	35	
	2015-16		32			
	2014-15		27			
	2013-14		26			
	2012-13		29			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : 10

29. Student progression

Student progression	Against % enrolled
UG to PG	25%
PG to M.Phil.	NIL
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	---
Employed	
· Campus selection	NIL
· Other than campus recruitment	100%
Entrepreneurship/Self-employment	2%

30. Details of Infrastructural facilities

a) Library : Departmental and Central

b) Internet facilities for Staff & Students : YES

c) Class rooms with ICT facility : YES

d) Laboratories : 03

31. Number of students receiving financial assistance from college, university, government or other agencies by : 1. Post Matric Scholarship
2. Dr. Rajeev Sharma for 3 years project approved by C.S.T., U.P., Lucknow

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- Educational Tour
- Seminars and Workshops attended by faculty to enrich themselves for students:
 1. Dr. R. K. Verma
 - National seminar on “Biodiversity of Aquatic environment in Relation to Industrial pollution with special reference to Fish Diversity” at Shahdol (M.P.) in 2010
 - National Conference “Conquering impact of climate change on

Agriculture through Organic Farming- A Global perspective” at Aligarh in 2011.

- Training Programme cum Workshop on “ Innovative Techniques as Alternative for animal replacement in Zoology Laboratory exercises” at R. B. S. College, Agra in 2011
- Seminar on “Biodiversity conservation of wetland & Eco-tourism prospects in Agra” at Agra in 2011.
- One day Seminar as Guest of Honour sponsored by: U.G.C.,C.R.O. at Bhopal in 2012
- One day Seminar as Guest of Honour sponsored by: U.G.C.,C.R.O. at Bhopal in 2013
- One day Seminar on “Role of CSTUP in promotion of science and technology and facilitation of IPR protection” at R. B. S. College, Agra in 2015

2. Dr. Kamal Singh

- National seminar on “Conservation and utilization of medicinal plant” organized by Higher education at Deptt. of Botany, R.B.S.college, Agra on 26 & 27 Feb. 2011
- Participated in training programme cum work shop on “ Innovative Techniques as Alternative for Animal replacement in Zoology Laboratory exercises” sponsored by Department of Zoology R.B.S.College, Agra on 29 May, 2011
- Participated in the National Seminar and presented a paper titled “Role of web Conferencing in Higher education & research” sponsored by Deptt. of higher education, Uttar Pradesh, Govt. P.G.College, Jalesar, Etah on 20 &21 January, 2012
- National Seminar on “Conservation, Cultivation & Sustainable Utilization of medicinal and Herbal Plants” sponsored by U.G.C. New Delhi, at Deptt. of Botany, R.B.S.College on 25 & 26 Feb. 2012
- One day Seminar on “Role of CSTUP in promotion of science and technology and facilitation of IPR protection” sponsored by Deptt. of Zoology R.B.S.College, Agra, Spon. by CSTUP on 22nd Feb. 2015

3. Dr. Rajvir Singh

- National Seminar on “Teacher empowerment & Educational excellence : Vision 2020” at R.B.S.College Agra on 19 Dec. 2010
- National Seminar on “Conservation, Cultivation and Utilization of Medicinal plants” at R.B.S.College Agra on 26&27 Feb. 2011
- Participated in training programme cum work shop on “ Innovative Techniques as Alternative for Animal replacement in Zoology Laboratory exercises” at Department of Zoology R.B.s.College on 29 May 2011
- Participated in the National Seminar and presented a paper titled “Role of web Conferencing in Higher education & research” of Deptt. of Higher Education, Uttar Pradesh, Govt. P.G.College, Jalesar, Etah on 20 & 21 January, 2012
- Annual Athletic Meet 2011-12 at R.B.S.College, Agra on 15 & 16 Feb., 2012
- One Seminar as Guest of Honour on “General Pollution” at Ambah P.G.College, Ambah (M.P.) on 21 Feb. 2013
- National Seminar on “Yamuna water pollution and its control measures” of Deptt. of higher education, Uttar Pradesh organized by Deptt. of Botany R.B.S.College Agra on 30-31 March, 2014
- One day Seminar on “Role of CSTUP in promotion of science and technology and facilitation of IPR protection” at Deptt. of Zoology R.B.S.College ,Agra on 22 February, 2015
- National seminar on “New Frontiers in Organic Farming for sustainable development of Indian Agriculture” of Deptt. of higher education, Uttar Pradesh organized by Deptt. of Botany R.B.S.College Agra on 14-15 March 2015
- National seminar on Waste management and its control measures: Present and future Strategies of Deptt. of higher education, Uttar Pradesh organized by Deptt. of Botany R.B.S.College Agra on 27-28 February 2016

- **Conferences/Courses attended by faculty to improve competency and update themselves for the benefit of students :**

1. **Dr. R. K. Verma**

- National Conference conquering impact of climate change on Agriculture Through Organic Farming- A Global perspective at Aligarh in 2011.
- 1st Biennial National Conference of Indian academy of Science and Nature at Agra in 2011
- National Conference on environmental problems and their Remedial measures at Meerut in 2012
- XII International conference on vector and vector Borne Diseases at Udaipur (Rajsthan), and Bhubaneshwar (Odisha) in 2013

2. **Dr. Kamal Singh**

- 1st Biennial National conference of Indian academy of Science & Nature on "advances in Molecular Techniques & their application in Health & Diseases" sponsored by Indian academy of Science & Nature on 30th Nov. & 1st Dec., 2011
- 2nd Biennial National Conference of Indian academy of Science & Nature (IASN) Theme: Global warming: Health hazards & Mitigation Strategies sponsored by (IASN) Agra on 09, March 2013

3. **Dr. Rajvir Singh**

- Refresher Course at U.G.C. Academic Staff College, A.M.U., Aligarh from 07 Sep. to 27 Sep. 2011
- 2nd Biennial National Conference of Indian Academy of Science and Nature (IASN) at Agra on 09 March, 2013

33. Teaching methods adopted to improve student learning

- **All modern teaching aid.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Organise Zoological Tours**

35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) Use of modern teaching aids viz. Slide projector, LCD projector with audio visual faculty for theory and practical classes.
- (2) Field trips related to wild life and faunatic diversities.
- (3) Apiculture training and visit to apiculture farming fields.

- (4) Classroom teaching be made more live and attractive by introducing use of multimedia and Internet CD and other devices to study animal breeding and feeding behavior.
- (5) Extension lectures on latest techniques of molecular biology and genetic engineering by inviting experts of the field.
- (6) Biotechnology & Physiology lab and animal museum be up graded.
- (7) Career counseling, seminars and invited guest lecture of eminent scientist.
- (8) Excursion to coastal, Arid & hilly region. Exposure central research laboratories National Parks wild life sanctuaries.
- (9) Biochemical, Toxicological and genomic studies by spectrophotometer, electrophoreses and PCR technique.
- (10) Pollutants and their impact on various group of animals.
- (11) Faunatic studies of Agra region with an emphasis on threatened species of different taxa.
- (12) Transform of fish farming, apiculture technique to the farmers of Agra region.
- (13) Environmental pollution awareness.

ANNEXURE – 01**List of Ph. D. Scholars**

1. Dr. R. K. Verma

Sl. No.	Name of Scholar	Title of Topic	Position
1	Yudhishthra Singh	Study on Bionomics of <i>Diceladisp Armigera</i> Chrysomelid beetle (chrysomliadae Coleopteran) with special reference to its feeding behavior and Management by plant Extract.	Awarded
2	Himanshu Kalra	Biomonitoring of <i>Galerucella birmonica</i> related to <i>Trapa bispinosa</i> & its Management by Synthetic pesticides and plant extract.	Awarded
3	Madhu Mehra	A survey of spring tails (Collembola: Apterygota) of Garwal region in Uttarakhand state with relation to Taxonomic study based on feeding apparatus and sense organs on head region.	Awarded
4	Atideepayan	Hexicological study of lentic habitat and Bio-remediation of Keetham Lake in Agra.	Awarded
5	Tarun Yadav	Efficacy of selected synthetic and Botanical products against Phytophagous insect Pest.	Awarded
6	Geeta Saxena	Morphological study <i>Bombyx mori</i> silk worm with special emphasis of feeding apparatus.	Awarded
7	Anand Desh Pandey	Physico-chemical and Biological analysis of river Asan at Murena District with relation to Morphological and Physiological changes of some common Fishes.	Awarded
8	Manisha Desh Pandey	Biodiversity of parasite Protozoane in some edible freshwater Fishes of river Asan, District Murena.	Awarded

2. Dr. Kamal Singh

Sl. No.	Name of Scholar	Title of Topic	Position
1	Haresh Kumar	Biomonitoring of <i>Abgrallaspis cyanophylli</i> in relation to biology & chemical control.	Awarded 2012
2	Kalpna Verma	Evaluation of some modern pesticides against Lepidopterous pests <i>Euproctis icilia</i> and <i>Euproctis fraternal</i> family by mantridae: Lepidoptera.	Awarded 2012
3	Mamta Singh Jadon	Studies on the bioefficacy of plant extracts on <i>Sistophilus oryzae</i> and <i>Trogoderma granarium</i> (Coleoptera)	Awarded 2014
4	Kamlesh Kumar	Study on the seasonal occurrence & management of <i>Leucinodos orbonalis</i> .	Awarded 2015

3. Dr. Rajvir Singh

	Scholar	Title of Topic	Position
1	Preeti Singh	Bio-Ecological studies on Armoured scale, <i>Abgrallaspis Narainus</i> (Dutta & Singh) Homoptera: Coccidae: Diaspididae) in Agra	Awarded

ANNEXURE – 02**Detail of Publications****1. Dr. R. K. Verma**

No	Article	Name of Journal
1	Laboratory study of the Toxicology of field weathered deposits of some synthetic pesticides to the Larvae of <i>Papilio Demoleus</i> on Citrus Limonia.	J.of scientific & Technological research vol.02,issue-01,March2012
2	Studies on the Hydrogen Ion concentration and Hydrolases enzymes in the mature Larvae and adult of <i>Papilio Demoleus</i> linn.	J.of scientific & Technological research vol.02,issue-02,sep.2012
3	Presence of some Protozoans as indicator of water quality of Lotic habitat(River Yamuna)in Agra.	J.of scientific & Technological research vol.03,issue-02,sep.2013
4	Some laboratory observations on the development rate of <i>Sitophilus Oryzae</i> and <i>Trogodmagranarium</i> on different varieties of <i>Triticum vulgare</i> .	Bioglobbia vol.1 (1) :2014

2. Dr. Kamal Singh

	Article	Name of Journal
1	Studies on Reproduction behavior in Armoured scale, <i>Abgrallaspis cyanophylli</i> (Signoret)	Life Sciences Bulletin, vol. 7(1) 2010, 131-133
2	Collelation and Regression Among macro and micronutrients of <i>Psidium guajava</i> leaves infested by <i>Abgrallaspis cyanophylli</i> .	Life Sciences Bulletin, vol. 7(1) 2010, 88-90
3	Evalution of Diazinon and Tobacco extract against <i>Cynophyllum</i> scale, <i>Abgrallaspis cyanophylli</i> (Signoret)on Guava .	Life Sciences Bulletin, vol. 8(2) 2011, 170-172
4	Morphological of Female <i>Abgrallaspis cyanophylli</i> (Signoret) (Homoptera: Coccoidea: Diaspididae) collected from Guava of Mehtab Bagh, Agra (U.P.).	Life Sciences Bulletin, vol. 10(1) : 137-140, June 2013 .
5	Efficacy of coriander extract and essential oil against stored product pest <i>Trogoderma granarium</i> .	Ind J Biol Stud Res Vol.2(2), 2013 121-128
6	Bioefficacy of some plant extract as insecticides on <i>Sitophilus oryzae</i>	Eduved Int. Jour. of Interdisciplinary

	and <u>Trogodroma</u> <u>Granarium</u> (COLEOPTERA) of stored food grains.	Research Vol: 1,issue:1, April 2014
7	Kalpana Verma Kamal Singh : Effect of some pesticides against Lepidopterous pests, <u>Euproctis Icelia</u> and <u>Euproctis Fraterna</u> in 3 rd instar Larvae.	Eduved Int. Jour. of Interdisciplinary Research Vol: 3,issue: 5 May 2016
8	Kalpana Verma Kamal Singh : Comparison of efficacy of some pesticides in 5 th instar Larval studies of <u>Euproctis Icelia</u> and <u>Euproctis Fraterna</u> .	Eduved Int. Jour. of Interdisciplinary Research Vol: 3,issue: 5 May 2016

3. Dr. Rajvir Singh

No	Article	Name of Journal
1	Rajvir Singh Ojha (2015): Morphological observations of mature female <u>Aspidiotus tamarindi</u> Green	Life Science Bull. June, Vol. 12 (1)

3. Evaluative Report of the Departments

DEPARTMENT OF CHEMISTRY

1. Name of the Department : **CHEMISTRY**
2. Year of Establishment : **UG : 1947**
: **PG : 1949**
3. Names of Programmes / Courses offered : **UG (B. Sc.)**
(UG, PG, M.Phil., Ph.D., Integrated : **PG (M. Sc.)**
Masters; Integrated Ph.D., etc.) : **Ph. D.**
4. Names of Interdisciplinary courses and the : **NIL**
departments/units involved
5. Annual/ semester/choice based credit system : **Annual**
(programme wise)
6. Participation of the department in the courses : **NIL**
offered by other departments
7. Courses in collaboration with other : **Nil**
universities, industries, foreign institutions, etc.
8. Details of courses/programmes discontinued : **Nil**
(if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	05
Assistant Professors	12	05

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S. P. Madnawat	M. Sc., Ph.D.	Associate Professor	Inorganic	36	3/6
Dr. Rajeev Kumar Shukla	M. Sc., Ph.D., FICC, FICS	Associate Professor	Physical	30	4/5
Dr. Lalit Pal	M. Sc., Ph. D.	Associate Professor	Organic	16	1
Dr. Harikant	M. Sc., Ph. D.	Associate Professor	Organic	16	1
Dr. Shailendra Raghav	M. Sc., Ph. D.	Associate Professor	Organic	28	---
Dr. Nishant Chauhan	M. Sc., Ph. D.	Assistant Professor	Organic	11	---
Dr. Mahesh Singh Khirwar	M. Sc., Ph. D.	Assistant Professor	Organic	07	---
Dr. Ajay Rajawat	M. Sc., Ph. D.	Mandai Lecturer	Inorganic	16	---
Dr. Vibha Maheshwari	M. Sc., Ph. D.	Mandai Lecturer	Physical	12	---
Dr. Tarun Kant Pathak	M. Sc., Ph. D.	Mandai Lecturer	Physical	10	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : 1. Dr. S. K. Gupta
2. Dr. H. B. Singh
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Lectures – 8.3%
Practical – 10%
13. Student -Teacher Ratio (programme wise) :

Post	Sanctioned	Filled
------	------------	--------

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled	:	Lab. Assistant	03	03
		Lab. Attendant	05	04

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc., Ph. D. - 09
NET - 01**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **03**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University, : **Yes
DSIR, New Delhi
Dr. B. R. Amedkar
Agra**

19. Publications : **Refer ANNEXURE - 02**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. S. P. Madnawat	2	---
Dr. Rajeev Kumar Shukla	10	02
Dr. Lalit Pal	4	---
Dr. Harikant	01	---
Dr. Mahesh Singh Khirwar	04	---
Dr. Nishant Chauhan	04	---
Total	25	02

* Number of papers published in peer reviewed journals (national / international) by faculty and students - **25**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**

* Monographs - **NIL**

* Chapter in Books - **NIL**

* Books Edited - **NIL**

* Books with ISBN/ISSN numbers with details of publishers - **NIL**

- * Citation Index - NIL
- * SNIP - NIL
- * SJR - NIL
- * Impact factor - NIL
- * h-index - NIL
- 20. Areas of consultancy and income generated : NIL
- 21. Faculty as members in
 - a) National committees : 02

Dr. Rajeev Kumar Shukla

- 1. Life Member of Indian Council of Chemist
- 2. Life Fellow of Chemical Society of India

- b) International Committees : NIL
- c) Editorial Boards : 01

Dr. Rajeev Kumar Shukla

- 1. Chief Editor, Journal of Scientific & Technological

Research

- 22. Student projects
 - a) Percentage of students who have done in-house projects including inter departmental/programme : NIL
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : 05
- 23. Awards / Recognitions received by faculty and students

Dr. Rajeev Kumar Shukla – Bharat Shiksha Ratan Award – 2014

Dr. Nishant Chauhan –

- 1. "Excellence in Teaching Award" on 20th March, 2017 by Society of Human Resources and Innovation on the occasion of National Conference on "Advance in Global Research in Agriculture and Technology".
- 2. Awarded as the best oral paper presentation in National Seminar on "Value Added Functional Foods : Prospects and Future

Challneges". held at Janta College, Bakewar, Etawah on 24th February, 2013.

24. List of eminent academicians and scientists/: 1. **Dr. R. P. S. Chauhan,**
visitors to the department **Magadh University,**
Bihar

2. **Prof. S. P. Singh,**
Magadh University,

Bihar

3. **Prof. D. K. Singh,**
H.B.T.I., Kanpur

4. **Prof. P. K. Mathur,**
Lucknow University,
Lucknow

5. **Prof. B. K. Mehta,**
Vikram Ujjain University,
Ujjain

6. **Prof. V. K. Pandey,**
Lucknow University,
Lucknow

4. **Prof. Anshu Dandia,**
Rajasthan University,
Jaipur

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - **NIL**

b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. Part - I	2016-17	680	316	159	157	
	2015-16		320			
	2014-15		306			
	2013-14		284			
	2012-13		290			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. Part - I	2016-17	113	30	05	25	
	2015-16		26			
	2014-15		27			
	2013-14		17			
	2012-13		31			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No Information**

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
- b) Internet facilities for Staff & Students : **NIL**
- c) Class rooms with ICT facility : **NIL**
- d) Laboratories : **Yes**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P. Others : 05**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Seminars**
- **Science Day celebration**
- **Special Lecturers on regular basis**
- **Courses/Conferences/Seminars/Workshops attended and papers presented by faculty to improve competency and update themselves for the benefit of students:**

1. **Dr. Rajeev Kumar Shukla**

1. वैज्ञानिक तथा तकनीकी शब्दावली आयोग (मानव संसाधन विकास मंत्रालय) द्वारा आयोजित कार्यशाला में "प्रशिक्षण कार्यक्रम विशेषज्ञ" के रूप में दि 14.12.2016 से 15.12.2016 तक "वैज्ञानिक एवं तकनीकी शब्दावली का आधुनिक विज्ञान में महत्व" शीर्षक पर व्याख्यान दिया।

2. "Molar Volume and Rheology of Anionic Surfactants in Non-Aqueous Media" presented research paper 4th International Conference of ICC held at Tashkent, Uzbekistan on 13-15 June, 2015
3. "Nickel Oxide Nanoparticles from Metal Carboxylate via Reverse micellar Route" R. K. Shukla, Mithlesh Shukla and Suman Kumari presented paper in 34th ICC Conference on 26-28 Dec., 2015 held at UKA Tarsadia University, Surat.
4. Micelle-assisted synthesis and optical properties of Sr-BaO nanorods, International conference on chemistry Frontiers challenges, Aligarh Muslim University, Aligarh, 2-3 March, 2013.
5. Micellization of zinc mono- and dicarboxylates in mixed organic solvents, Indian Science Congress, 3-7 Jan, 2013, University of Kolkata, Kolkata.
6. Nickel oxide nanoparticles from metal carboxylates via a micelle assisted media, Indian Science Congress, 3-7 Jan, 2013, University of Kolkata, Kolkata
7. Micelle assisted synthesis of nickel oxide nanoparticles and their magnetic behavior, International Conference on Chemistry and Materials: Prospects & Perspectives" from 14-16 Dec, 2012. Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow.
8. Micellar behavior of zinc mono- and dicarboxylic soaps in non-aqueous media, Vipin Kumar Singh, S. Kumari, and M. Shukla, 2nd International Conference of Indian council of chemists at Kaulalumpur (Malaysia) 10-12 June, 2012.
9. Molar volume and rheology of zinc mono- and dicarboxylic soaps in mixed solvents, M. Shukla, S. Kumari, and R. K. Shukla, 2nd International Conference of Indian council of chemists at Kaulalumpur (Malaysia) 10-12 June, 2012.
10. Microemulsion-template synthesis of Cu-TiO₂ nanocomposites in different alkanes, M. Shukla, S. Kumari, and R. K. Shukla, International conference Frontiers of nanoscience, nanotechnology and their applications (NanosciTech-2012) organized by Punjab University, Chandigarh, 15-18 Feb, 2012.
11. Photocatalytic activity of Cu_{2-x}TiO_xO₄ nanocomposite in degradation of brilliant green, M. Shukla, S. Kumari, and R. K. Shukla, International conference on nanomaterials & nanotechnology organized by University of Delhi, Delhi, VBRI Press, and International Association of Advanced Material,

University of Delhi, Delhi, 18-21 Dec, 2011.

12. Effect of oil phase: Synthesis of metal oxide nanoparticles in microemulsion media, Global challenges-The role of Chemistry in giving their solutions, International Conference at Bangkok, 11-15 June, 2011 organized by Indian Council of Chemists.
13. Surfactant assisted- hydrothermal synthesis of zirconium dioxide nanoparticles, National Conference on Recent Advances in Physics and Technologies, 26-27th march 2011 organized by Department of Physics, Agra College, Agra.
14. Reversed micellar route: synthesis and characterization of metal oxide nanoparticles, International Conference on Advances in Condensed and Nanomaterials (ICACNM-2011), 22, 23-26, Feb 2011 organized by Department of Physics, Punjab University, Chandigarh (proceedings)
15. A novel Approach for the generation of monodisperse nanoparticles: inverted micelles, National Conference on Recent Advances in Condensed Matter Physics (NCRACMP), 14-15 March, 2011 organized by Department of Physics, AMU, Aligarh.
16. Large scale synthesis of monodisperse nanoparticles through soft chemistry, International Conference On Recent Advances In Condensed Matter Physics (NCRACMP), 5-6 March, 2011 organized by Department of Chemistry, AMU, Aligarh.
17. Micellar behavior of zinc dicarboxylates in mixed organic solvents, International Conference on Recent Advances in Condensed Matter Physics (NCRACMP), 5-6 March, 2011 organized by Department of Chemistry, AMU, Aligarh.
18. Synthesis and Characterization of Cadmium Oxide Nanoparticles in Reversed Micellar Media, 98th Indian Science congress”(ISC- 2011) January 3-7 2011 organized by Chennai (Proceedings).
19. Micellar mediated synthesis of zirconium dioxide nanoparticles, 3rd National Conference on “Nanomaterials and Nanotechnology” (NATCON NAMTECH -2010) held on 21-23 Dec, 2010 organized by Amity University & Department of Physics, University of Lucknow (Proceedings).
20. Synthesis and characterization of zirconium dioxide nanoparticles in microemulsions system, International conference on Nanosensors and nanotechnology (ICNST-2010), held on 28-30 Oct 2010 sponsored by UGC, CSIR N.

Delhi organized by Chandigarh University, Chandigarh.

21. Synthesis and characterization of zirconium dioxide nanoparticles in reversed micellar media, Two days national conference on New trends of ions in drug designing held on 9-10 Oct 2010 sponsored by UGC., N. Delhi organized by Department of Chemistry, Varshenaya, College, Aligarh
22. Spectroscopic and micellar behavior of uranyl hexanoate in DMF, 97th Indian Science congress”(ISC- 2010) January 3-7 2010 organized by Tiruvanthapuram, Kerala (Proceedings).
23. Synthesis and characterization of copper sulphide nanoparticles in microemulsion system, International Conference on “Nanoscience and Technology in Chemistry, Health, Environment and Energy” (NATCHEE-2010) held on 7 -9 Jan, 2010 organized by Department of Chemistry, Dayalbagh Educational Institute (Deemed University) Dayalbagh, Agra (Proceedings).

2. **Dr. Lalit Pal Singh**

- National Seminar on “Research Methodology and Advancement in Chemical Sciences” held at University Department of Chemistry, Khandari, Dr. B.R.A. University, Agra.
- Paper Presented during 3-week Refresher course in chemistry from 15-March 09, 2010 at CPDHE, University of Delhi.

Coumarin:- Synthesis of Derivative and its applications as Antioxidant.

3. **Dr. Mahesh Singh Khirwar**

1. International Conference on “Futuristic Materials & Emerging trends in Chemical Sciences” organized by D.B.S. College, Kanpur on 8-10 Feb., 2016.
2. National Seminar on “Save FEW” organized by Shri J.N. PG College, Lucknow on 13 March, 2016.
3. National Seminar on “Climate change and its vast impact on human life and society” organized by Dr. Shyam Prasad Mukherjee Govt. Degree College, Bhadohi on 17-18 Feb., 2017

4. **Dr. Nishant Chauhan**

1. National Seminar on "Introduction to Green Chemistry Education : Theory & Practice" held at Vikramjit Singh Sanatan Dharam College, Kanpur on 22-23 Oct., 2010

2. National Seminar on "Research Methodology and Advancements in Chemical Sciences" held at Department of Chemistry, Khandari, Dr. Bhim Rao Ambedkar University, Agra on 25th October, 2010.
3. National Seminar on "Multifaceted Scope of Chemistry and Human Welfare" held at Department of Chemistry, D.B.S. (P.G.) College, (C.S.J.M. University), Kanpur on 22nd & 23rd January, 2011
4. National Workshop on "Human Rights Education and Civil Society" organized by Department of Economics, Govt. P.G. College, Khair, Aligarh on 18th and 24th March, 2013.
5. Two days workshop on "Technical Terminology" Sponsored by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, New Delhi held at Department of Chemistry, K.K. (P.G.) College, Etaway on 29-30 October, 2013.
6. Two days workshop on "Technical Terminology" Sponsored by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, New Delhi held at Department of Chemistry, K.K. (P.G.) College, Etaway on 14-15 December, 2016.
7. International Conference on "New Approaches in Biotechnology & Biosciences" held at Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra on-"A Dire need of Agriculture Biotechnology in new millenium."Date : 18-20 Feb., 2016.
8. National Seminar on "Need and Implementation of Woman Empowerment and Women Respect in India". held at Department of Economics, Govt. P.G. College, Khair, Aligarh on "Women Empowerment in India." Date : 25th & 26th March, 2011
9. National Seminar on "भारत में भूमिहीन कृषि श्रमिकों की सामाजिक आर्थिक दशाओं के मूल्यांकन की आवश्यकता एवं क्रियान्वयन" held at Department of Economics, Govt. (P.G.) College, Khair, Aligarh on Topic : "भारत में कृषि भूमि की घटती गुणवत्ता तथा कृषकों की आर्थिक दशा"Date : 06th and 7th July, 2012
10. National Conference on "Human Rights & Education" held at Philosophy Department, Agra College, Agra on"Role of ethics & Value in Promotion of Human Rights".Date : 22nd & 23rd March, 2013
11. National Seminar on "Natural Resource Management Policy and Planning" held at Department of Geography, National P.G. College, Bhongaon, Mainpuri on Environment and Sustainable Development". Date : 23-24 December, 2014.

12. National Seminar on "Challenges of Rural Urban Transformation in India held at Department of Economics, K.R. (P.G.) College, Mathura on "Impact of Rural Urban Transformation on Environment". Date : 12th & 13th March, 2015

13. National Seminar on "Waste Management and its control Measures : Present and Future Strategies". held at Department of Botany, R.B.S. College, Agra on "Recycling of Farm and Municipal Solid Wastes through Vermicomposting." 27-28 February, 2016

14. National Seminar on "Water crisis-Its causes, Effects and Solution." held at Department of Geography, National P.G. College, Bhongaon, Mainpuri on "Water Pollution-Its causes, effects and Solution". Date : 12 & 13 March, 2016

15. National Seminar-2017 on "Leadership in Digital Age" held at Dr. MPS Group of Institutions, Sikandra, Agra on : "Digital Revolution Revolutionize Development? Drawing Together the Debate." Date : 17th & 18th February, 2017

16. Attended Refresher Course at Human Resource Development Centre, Kumaun University, Nainital (Uttarakhand) from 01-12-2015 to 21-12-2015. with Grade 'A'.

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**
- **LCD**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Dr. Nishant Chauhan attended two days Search and Rescue course held at National Civil Defence College, Nagpur on 24th & 25th January, 2012.

35. SWOC analysis of the department and Future plans

STRENGTHS : Department has qualified faculties, thus, has an excellent reputation as within the College and University for its cooperation and work faculty. A strong focus on quality teaching with a faculty that excels in teaching students at all level. Student interest in department programmes is very strong and growing across all programmes. Undergraduate and post-graduate students are committed to their studies and passionate about their future professions.

WEAKNESSES : Strengthening of research is required. The labs too need to be maintained properly for the better outcome of the researchers. The College lacks to give attention towards

the poor condition of laboratories and chemicals. The paid online Journals are not been made available for the students as well as for the teaching faculty.

OPPORTUNITIES : Strengthening cross-disciplinary collaboration in research and teaching. Exploring possibilities of recurring grant funding.

Exploring possibilities of research publications on national and international level.

CHALLENGES : Most of the admitted students coming from rural area with poor communication skills. Sustain student quality.

ANNEXURE – 01

Detail of Ph. D. Scholars

1. **Dr. S. P. Madnawat**

1. Prem Pratap Singh – “Synthesis, Characterization and Biological activities of 1,2,4 Triazines” – 2010
2. Manorama – “Characterization of Water Pollutants and remedial measures of their biotoxicities” – 2016
3. Abhya Pratap Singh – “Synthesis, Characterization and applications of oxamic acids and their metal complexes of transition metal ions” – 2016

2. **Dr. Lalit Pal Singh**

1. Manoj Kumar – “Phytochemical investigations of some medicinal plants used in Ayurvedic System of Medicines” – 2016

3. **Dr. Harikant**

1. Suhani Raghav – “Structural studies of Nobel Chemical constituents of Stem bark of Cassia fistula” – 2016

ANNEXURE – 02**Detail of Publications****1. Dr. S. P. Madnawat**

1. **Singh Virendra Pal, Madnawat S.P., Kumar Devendra & Neelam,** “Synthesis, Spectral and antimicrobial studies of Mn^{II}, Co^{II}, Ni^{II} and Cu^{II} metal chelate polymers of poly (Metha acryloyl)-*N*-hidroxamic acid”, Indian Chemistry Soc., Volume 88, July 2011, pp. 943-946.
2. **Singh Virendra Pal, Madnawat S.P.,** “Synthesis, Characterizatin and antimicrobial Activity of poly (Metha acryloyl)-*N*-hidroxamic acid and its ,metal chelate polymers” Acta Ciencia Indica, Vol. XXXVII C. No. 1, 11 (2011).

2. Dr. Rajeev Kumar Shukla

1. Molar volume and rheology of samarium alkanoates in mixed solvent, S. Kumari, M. Shukla and R. K. Shukla, American International Journal of Research in Science, Technology, Engineering & Mathematics, 7(3) 252-255 (2014).
2. Micellization and thermodynamic behavior of anionic surfactant in mixed organic solvent, S. Kumari, M. Shukla and R. K. Shukla, International Journal of Scientific Research and Reviews, 3(2) 47-57 (2014).
3. Kinetics of thermal decomposition of gadolinium alkanoates, S. Kumari, M. Shukla and R. K. Shukla, American International Journal of Research in Science, Technology, Engineering & Mathematics, 6(2) 122-125 (2014).
4. Spectroscopic and Micellization of Uranyl Hexanoate in Organic Solvent, S. Kumari, M. Shukla and R. K. Shukla, American International Journal of Research in Formal, Applied & Natural Sciences, 6(2) 121-125 (2014).
5. Molar volume and rheology of anionic surfactants in non-aqueous media, S. Kumari, M. Shukla and R. K. Shukla, American International Journal of Research in Formal, Applied & Natural Sciences, 6(1) 91-94 (2014).
6. Potent antibacterial activity of nano CdO synthesized via microemulsion scheme, M. Shukla, S. Kumari, S. Shukla and R. K. Shukla, Journal of Environmental Science, 3(4) 678-685(2012).
7. Conductivity, molar volume and rheology of gadolinium alkanoates in mixed organic solvents, S. Kumari, M. Shukla and R. K. Shukla, Journal of Dispersion science and Technology;33(1) 83-87.
DOI:10.1080/01932691.2010.533600 (2012).

8. Effect of temperature on micellization and thermodynamic behavior of gadolinium alkanoates in non-aqueous media, M. Shukla, S. Kumari, and R. K. Shukla, Journal of Dispersion Science and Technology, 32(11) 1668-1672. DOI: 10.1080/01932691.2010.505808 (2011).
9. Effect of Oil Phase: Micelle Assisted Synthesis of Cadmium Oxide Nanoparticles, M. Shukla, S. Kumari, and R. K. Shukla, International Journal of Green Nanotechnology, 3(3) 191-196.
DOI:10.1080/19430892.2011.628584, (2011).
10. Effect of chain length on acoustic behavior of gadolinium alkanoates in mixed organic solvents, M. Shukla, S. Kumari, and R. K. Shukla, Acta Acustica, 96(1) 63-67. DOI: 10.3813/AAA.918256, (2010),

3. **Dr. Lalit Pal Singh**

1. Lalit Pal & S.N. Chojar (1993). Effect of boron on yield and nutrient context in Okra and Cowpea. Transaction of Indian Society of Desert Technology Vol 18:- 121-125.
2. Ram Narayan, Vinay Singh and Lalit Pal (1993). Effect of SAR of irrigation water on wheat crop and soil properties. Transaction of Indian Society of Desert Technology Vol 19 : 85-91.
3. Pahup Singh, Deepa Pandey, Jaya Mathur and Lalit Pal Singh (2008). Barleriaquinone-1 from the heartwood of Tectona Grandis Hinn.
4. Manoj Kumar, Lalit Pal (2013), Phytochemical Investigation of 9, 10-Dimethoxy-2-Methyl-1, 4 Anthraquinone from tectona grandis. IJMERE Vol-3 Issue 3, May-June 2013.

4. **Dr. Harikant**

1. A new flavor of glycoside from the root of sida-rhombifolia, **Harikant**, Vivek Bhadouria, Priyanka Maurya, Pravin K. Singh, J. Singh
J. Indian Chem. Soc. Vol. 90, Dec. 2013 – PP-2263-2266

5. **Dr. Mahesh Singh Khirwar**

1. Thermogravimetric analysis of Scandium soaps.
Acta Ciencia India, Vol. XXXVIII,C, No. 1, 47 (2012)
2. Infrared absorption spectra and x-rays diffraction studies on yttrium soaps in solid state.

Periodic Research, Vol. IV, issue II, Feb., 2016

3. Thermogravimetric analysis of yttrium soaps in solid state.

Acta Ciencia India, Vol. XXKUU,C, No. 1, (2016)

4. Physicochemical studies on scandium soaps in solid state.

Acta Ciencia India, 2017 (Communication)

6. **Dr. Nishant Chauhan**

1. J. Chemtracks, 13(1), 251-258, 2011-(ISSN:0973-239X)
Topic-"Effect of salinity stress on growth performance of Sadabahar plant (Catharanthus Roseus)"
Date : March 03, 2011
2. Research Journal of Recent Sciences Vol.2 (ISC-2012), 32-34 (2013) ISSN-2277-2502
Topic - "The study of ion-solvent Interaction of Eusol in Some Polar Solvent like Diethyl ether and Acetaldehyde."
Date : 17th April 2013.
3. International Journal of Geology, Agriculture and Environmental Sciences. Volume - 2 Issue-ISSN : 2348-0254
Topic : "Effect of Salinity stress on growth performance of Citronella Java".
Date : 6 December-2014
4. Expression : International Journal of Fine Arts and Interdisciplinery. Vol.2, ISSN : 2347-6761
Topic : "Toxicity and health Effect."
Date : Dec. 31, 2014

3. Evaluative Report of the Departments

DEPARTMENT OF MATHEMATICS

1. Name of the Department : **MATHEMATICS**
2. Year of Establishment : **UG – 1947**
PG - 1959
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Sc.)**
PG (M. Sc.) (M.A.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	02
Assistant Professors	04	---

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Dharam Pal Singh	M. Sc., Ph. D.	Associate Professor	Fluid Dynamics	26	05
Dr. Manju Sharma	M. Sc., Ph. D.	Associate Professor	Queueing Theory	23	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **1. Dr. H. B. Pandey**
2. Dr. S. C. Pokhriyal
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 50%**
13. Student -Teacher Ratio (programme wise) : **UG – 320 : 4**
PG – 140 : 4

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	---	---

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc., Ph. D. - 02**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar

University,

Agra

19. Publications

: ANNEXURE - 02

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Dharam Pal Singh	12	01
Dr. Manju Sharma	02	17
Total	14	18

* Number of papers published in peer reviewed journals - **14**
(national / international) by faculty and students

* Number of publications listed in International Database - **NIL**
(For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Monographs - **NIL**

* Chapter in Books - **NIL**

* Books Edited - **NIL**

* Books with ISBN/ISSN numbers with details of publishers - **18**

* Citation Index - **NIL**

* SNIP - **NIL**

* SJR - **NIL**

* Impact factor - **NIL**

* h-index - **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : **NIL**

b) International Committees : **NIL**

c) Editorial Boards :

(A) Dr. Manju Sharma

➤ **Member of Editorial Board of two Scientific Journals.**

22. Student projects

a) Percentage of students who have : **NIL**

done in-house projects including inter departmental/programme

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/ visitors to the department

1. Prof. G. S. Sharma
2. Prof. K. C. Sharma
3. Late Prof. R. K. Srivastava
4. Prof. Sundar Lal
5. Prof. P. N. Pandey

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National - **NIL**
b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. Part - I	2016-17	680	248	188	60	
	2015-16		271			
	2014-15		244			
	2013-14		259			
	2012-13		226			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. Part - I	2016-17	83	53	15	38	
	2015-16		53			
	2014-15		40			
	2013-14		22			
	2012-13		44			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No Information**

29. Student progression

Student progression	Against % enrolled
UG to PG	15%
PG to M.Phil.	2%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
- b) Internet facilities for Staff & Students : **Yes**
- c) Class rooms with ICT facility : **Yes,**
- d) Laboratories : **Computer Lab.**

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

Following activities were organized in the department to enrich and develop the students :

- **Weekly Seminars**
- **Science Day celebration including quiz, debates, poster competition**
- **Refresher Courses attended by Dr. Dharam Pal Singh**

21 Days Refresher Course from Aligarh Muslim University, Aligarh from 08-29 November, 2013

21 Days Refresher Course from Aligarh Muslim University, Aligarh from 03-23 December, 2013

33. Teaching methods adopted to improve student learning :

- **Black-board**

- Overhead Projector
- LCD
- Tutorials
- Periodical Tests
- Presentaton by students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- All the faculty members make informal discussions with students on socially relevant issues, such as environmental pollution, Swachhta Abhiyan, Beti bachao Beti Padhao, Voter Awareness etc.
- Dr. Dharam Pal Singh as M.L.A. from Agra raises voice for the problems of different sections of society
- Dr. Manju Sharma worked as NSS Officer

35. SWOC analysis of the department and Future plans

STRENGTHS : a) Seventy years old department of repute for imparting quality education. Impressive building with large carpet area.

WEAKNESSES : b) We have experienced and competent faculty
a) Lack of adequate funds.
b) Lack of human resources

OPPORTUNITIES : A hard working student can avail the facilities in the department and College to grow and develop.

CHALLENGES : a) In comparision to student number, teaching staff is limited.

economically b) Most of the students are from rural and weaker sections of the society.

c) Declining percentage of quality of students.

Future Plan : To establish smart class-rooms fully equipped with digital teaching tools.

On campus recruitment to facilitate job opportunities to PG students.

ANNEXURE – 02**List of Publications****Books Published****1. Dr. Dharam Pal Singh**

S. No.	Name of Book	Publisher	ISBN No.
1	Linear Algebra and Matrices	Sanjay Publications, Agra	

2. Dr. Manju Sharma

S. No.	Name of Book	Publisher	ISBN No.
1	Set of 4 Books “गणित”	Sahitya Bhawan Publications, Agra	81-7288-749-5 81-7288-750-7 81-7288-753-1 81-7288-754-X
2	Set of 4 Books “प्रारम्भिक गणित”	Sahitya Bhawan Publications, Agra	81-7288-822-8 81-7288-829-5 81-7288-830-9 81-7288-823-6
3	Text Book on Mechanics	Krishna Prakashan Media (P) Ltd.	978-81-8283-243-5
4	Linear Algebra and Matrices	Ram Prasad Publications, Agra	978-81-924254-1-2
5	Linear Algebra	Ram Prasad Publications, Agra	
6	Operations Research	Sahitya Bhawan Publications, Agra	
7	A Text Book of Numerical Analysis	Students' Friends & Co., Agra	
8	Computational Numerical Methods	Students' Friends & Co., Agra	
9	Mathematics for Class IX	Bansal Publishing House, Agra	
10	Mathematics for Class X	Bansal Publishing House, Agra	
11	Mathematics Paper II for Class X	Bansal Publishing House, Agra	

Research Papers Published

1. **Dr. Dharam Pal Singh**

1. "Blood Flow Obeying Casson Fluid Equation through an Artery with Radially Non-Symmetric Mild Stenosis"
American Journal of Mathematics and Mathematical Sciences, Vol. 1 No. 1, July-Dec., 2012
2. "Effects of Flow Behavior Indices on Blood Flow Resistance for an Atherosclerotic Artery by Abnormal Segments"
International Journal of Advanced Computer and Mathematical Sciences, Issue 3, 2012. ISSN : 2230-9624
3. "A Computational study of Bingham plastic flow of Blood through an artery by multiple stenoses and post dilatation"
Pelagia Research Library. Advances in Applied Science Research, 2012, 3(5):3285-3290
4. "Peristaltic Flow of Blood through Artery with a Wave of Small Amplitude Travelling Down its Wall"
International Journal of Mathematics Trends and Technology – Vol. 2 Issue 3- 2011
5. "MHD Flow of Blood through Radially Non-Symmetric Stenosed Artery : a Herschel-Bulkley Model"
International Journal of Engineering, Vol. 26, No. 8 (Aug. 2013) 859-864
6. "Effect of hematocrit on wall shear stress for blood flow through tapered artery"
Applied Bionics and Biomechanics 10(2013) 135-138
DOI 10.3233/ABB-140080 IOS Press
7. "Prediction of Flow Characteristics in Time Dependent Artery having Mild Stenosis"
Bull. Cal. Math. Soc., 105, (1) 37-48 (2013)
8. "Solution of Reaction-Diffusion Equation by Adomian Decomposition Method"
International Journal of Engineering Science and Technology (IJEST)
9. "A Mathematical model to Solve Reaction Diffusion Equation using Differential Transformation Method"
International Journal of Mathematics Trends and Technology – Vol. 2 Issue 2- 2011
10. "The Role of Magnetic field intensity in blood flow through overlapping stenosed artery : A Herschel-Bulkley fluid model"

Pelagia Research Library. Advances in Applied Science Research, 2013, 4(6):318-328

11. "Effects of Stenoses on Casson Flow of Blood Through Arteries"
International Journal of Advanced Computer and Mathematical Sciences, Vol. 4, Issue 4, 2013. ISSN : 2230-9624
12. "Effect of Thermal Diffusion on Vorticity of Mhd Visco-Elastic Boundary Layer Flow through Porous Medium with Free Convection Past a Continuous moving surface with Heat Source"
International Journal of Stability and Fluid Mechanics, July 2010, Vol. 2, No. 1, ISSN-0975-8399

2. **Dr. Manju Sharma**

1. "Approximate Analysis of Open queuing network having finite buffers with N Policy and a server" in Reserve Journal of Scientific & Technological Research, Vol. 2, Issue 12, September 2012, ISSN : 2231-4709
2. "Approximation of the mean waiting times in an $C_2/D/K$ queuing system with non-preemptive priority" in Humanities & Social Sciences : Interdisciplinary Approach, Vol. 2, Issue 2, December, 2010, ISSN : 0975-7090

3. Evaluative Report of the Departments

DEPARTMENT OF STATISTICS

1. Name of the Department : **STATISTICS**
2. Year of Establishment : **1962**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Sc.)**
4. Names of Interdisciplinary courses and the departments/units involved : **1. Botany
2. Biotechnology**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	---
Assistant Professors	02	01

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sunil Kumar	M. Sc., Ph.D.	Assistant Professor	Operational Research	11	

11. List of senior visiting faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 42%**
Practical – 30%

13. Student -Teacher Ratio (programme wise) : 1 : 60

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc., Ph. D. - 01**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
Agra

University,

19. Publications : **Refer ANNEXURE - 01**

* a) Publication per faculty

* Number of papers published in peer reviewed journals (national / international) by faculty and students : **10**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Monographs

* Chapter in Books

- * Books Edited
 - * Books with ISBN/ISSN numbers with details of publishers
 - * Citation Index
 - * SNIP
 - * SJR
 - * Impact factor
 - * h-index
20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in
- a) National committees : **NIL**
 - b) International Committees : **NIL**
 - c) Editorial Boards : **NIL**
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **10%**
23. Awards / Recognitions received by faculty and students
- 1. **Beenu Sharma – Bhagwati Devi Award (Gold Medal), Dr. B. R. Ambedkar University, Agra – 2014**
 - 2. **Jaspreet Kaur – Bhagwati Devi Award (Gold Medal), Dr. B. R. Ambedkar University, Agra – 2015**
24. List of eminent academicians and scientists/visitors to the department :
- 1. **Dr. Sanjay Jain, Assistant Prof., St. John's College, Agra**
 - 2. **Dr. Digvijay, Assistant Prof., Agra College, Agra**
 - 3. **Dr. Manoj Srivastava, Associate Prof., Dr. B. R. Ambedkar University, Agra**
 - 4. **Dr. Namita Srivastava, Associate Prof., St. John's College, Agra**
 - 5. **Dr. Anil Varshney, Associate Prof., S. V. College, Aligarh**
 - 6. **Dr. Roshan Lal, Associate Prof. (Retd.), B.S.A. College, Mathura**

7. Dr. R. K. Agnihotri, Associate Prof., St. John's College, Agra

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - NIL

b) International - NIL

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. Part - I	2016-17	680	153	120	33	
	2015-16		143			
	2014-15		148			
	2013-14		177			
	2012-13		114			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : 11

29. Student progression

Student progression	Against % enrolled
UG to PG	NIL
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Central Library**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **NIL**
d) Laboratories : **Yes (01)**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Assignments & Tests**
- **Science Day celebration including quiz.**
- **Special Lecturers on regular basis.**
- **Courses attended by faculty to improve competency and update themselves for the benefit of students :**
 - 21 Days Refresher Course at Aligarh Muslim University, Aligarh from 07.09.2011 to 27.09.2011
 - 21 Days Refresher Course at Aligarh Muslim University, Aligarh from 08.11.2013 to 29.11.2013

33. Teaching methods adopted to improve student learning :

- **Black-board**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) Organize field visits and collect data in order to give practical exposure to students.
- (2) To get Modern teaching aids i.e. LCD projector, Audio-Visual facility .
- (3) To Organize local and outdoor tours for students to make their learning better and interesting.
- (4) To organize Seminars / workshops at least once in a year.

ANNEXURE – 01**DETAILS OF PUBLICATION**

S.No.	TITLE	JOURNAL	ISSN
1	Analysis of a Queuing system with a finite Range Service distribution	Science Phenomenon	2349-2597
2	A study of the effect of immigration on waiting time process for MIMI, Queuing system	Science Phenomenon	2349-2597
3	A study of Double Ended Queuing system with discrete time	Relevant Derive	2322-018x
4	A solution of Twin objective transportation problem	Inquisitive Teacher	2348-3717
5	Algorithm for Tri objective trade of transportation problem	Journal of Science & Technology Research	2231-4709
6	An iterative method for fractional transportation	International Journal of Scientific Research	2277-8179
7	Probabilistic behavior of Induced order statistics from bivariate Rayleigh distribution	Santosh University Journal of Health Science	2455-1732
8	Role and utility of testing normality (with special reference to medical science)	Science Phenomenon	2349-2597
9	Probabilistic Behaviour of induced order statistics from bivariate Kumar Swami distribution	Science Phenomenon	2349-2597
10	Probabilistic Behaviour of induced order statistics from bivariate Pseudo Kumar Swami distribution	Journal of Science & Technology Research	2231-4709

3. Evaluative Report of the Departments

DEPARTMENT OF SEED TECHNOLOGY

1. Name of the Department : **SEED TECHNOLOGY**
2. Year of Establishment : **UG : 1996**
: **PG : 2005**
3. Names of Programmes / Courses offered : **UG (B. Sc.)**
(UG, PG, M.Phil., Ph.D., Integrated : **PG (M. Sc.)**
Masters; Integrated Ph.D., etc.)
4. Names of Interdisciplinary courses and the : **NIL**
departments/units involved
5. Annual/ semester/choice based credit system : **Annual**
(programme wise)
6. Participation of the department in the courses : **NIL**
offered by other departments
7. Courses in collaboration with other : **Nil**
universities, industries, foreign institutions, etc.
8. Details of courses/programmes discontinued : **Nil**
(if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	---
Assistant Professors	03	03

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sanjay Kumar Singh	M. Sc., Ph.D., NET	Assistant Professor	Cytogenetics & Plant Breeding	18	---
Dr. Udai Pal Singh	M. Sc., Ph.D.	Assistant Professor	Reproductive Biology	11	---
Dr. Sanjay Kumar Dixit	M. Sc., Ph. D.	Assistant Professor	Cytogenetics & Plant Breeding	18	---

11. List of senior visiting faculty : 1. Dr. A. K. Singh
2. Dr. K. P. Singh
3. Dr. Seema Bhadauria

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise) : UG – 20 : 1
PG – 10 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	1	1
Lab. Attendant	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : M. Sc., Ph. D. - 03
NET - 01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : 01 to Dr. Udai Pal Singh
Funded By UGC
Rs. 1,80,000/-

Project : “Efficacy Study of Biosymphasized nano copper oxide in control of Plant Pathogens on prevailing on copper resistance cabbage varieties.”

18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
University,
Agra

19. Publications : **Refer ANNEXURE - 01**

- * a) Publication per faculty

Name	No. of Papers	No. of Books
Dr. Sanjay Kumar Singh	09	---
Dr. Udai Pal Singh	11	01
Dr. Sanjay Kumar Dixit	05	---
Total	25	01

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **25**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of publishers : **01**
- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**
20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in
- a) National committees : **NIL**
- b) International Committees : **NIL**
- c) Editorial Boards : **NIL**

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **75%**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **25%**

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/visitors to the department :

1. **Dr. V. K. Agarwal (Pathologist) (Retd.), G. B. Pant University of Agril. & Tech., Pantnagar**
2. **Dr. Maharaj Singh, Sr. Scientist, SEWAR, Bharatpur**
3. **Dr. K. D. Sharma, Ex-Head & Dean, Agra College, Agra**
4. **Dr. J. S. Dhakre, Ex-Principal, R. B. S. College, Agra**
5. **Dr. B. P. S. Chauhan, Ex-Head, Dept. of Botany, R. B. S. College, Agra**
6. **Dr. R. K. S. Rathore, Ex-Head, Dept. of Botany, R. B. S. College, Agra**
7. **Dr. Vijay Laxmi Singh, Ex-Head, Dept. of Botany, R. B. S. College, Agra**

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National - **NIL**
- b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. Part - I	2016-17		50	37	13	
	2015-16		30			
	2014-15		38			
	2013-14		30			
	2012-13		37			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. Part - I	2016-17	19	19	14	05	
	2015-16		18			
	2014-15		20			
	2013-14		21			
	2012-13		19			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : 05

29. Student progression

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	---
Employed	
· Campus selection	NIL
· Other than campus recruitment	70%
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

a) Library : Departmental and Central

b) Internet facilities for Staff & Students : YES

c) Class rooms with ICT facility : NO

d) Laboratories : 03

31. Number of students receiving financial assistance from college, university, government or other agencies : 1. Post Matric Scholarship

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- **Educational Tour**
- **Seminars and Workshops attended by faculty**
 - **“To study the different concentrations of heavy metals on early seedling growth of induced mutants of *Vigna radiata*”.** National Seminar on “Plant science: in retrospect and prospect with special reference to opening up of indian market to world”, 19- 20 December 2004 at Dr. B. R. Ambedkar University, Agra.
 - **“Study of phytotoxic effect of city waste water on growth parameters of induced mutants of *Vigna radiata* (L) Wilczek”.** National seminar on “Conservation, cultivation and utilization of medicinal plants”, 26- 27 February 2011 at R. B. S. College, Agara.

- **“Integrated use of biofertilizer and chemical fertilizer for growth and productivity of *Brassica juncea*”.** National seminar on “Conservation, cultivation and utilization of medicinal plants”, 25- 26 February 2012 at R. B. S. College, Agra.
- **“To study of the effect of heavy metals and city waste water on breeding behaviour and yield of induced mutants of *Vigna radiata* (L) Wilczek”.** National seminar on “Conservation, cultivation and utilization of medicinal plants”, 03- 04 March 2013 at R. B. S. College, Agra.
- **“Comparative study of phytotoxic effect of city waste water and heavy metals on growth parameters of induced mutants of *Vigna radiata* (L) Wilczek”.** National seminar on “Yamuna water pollution and its control measures”, 30-31 March 2014 at R. B. S. College, Agra.

33. Teaching methods adopted to improve student learning

- **Computer-Internet teaching aid.**
- **Black-board teaching aid**
- **LCD**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

We have Soil,Seed and plant disease clinic for farmers ‘ service.

35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) To make use of modern teaching aid viz. LCD projector, Laptop with imaging system and audio-visual facilities for theory & Practical classes.
- (2) To make use of Laboratory model viz small processing unit and seed theater to increase practical approach in student.
- (3) Organize seminar on current issues in regarding seed technology and invite the eminent scientist as guest lectures every year.
- (4) Enrichment of library in department to provide more literature and research material for PG students viz books and journals.
- (5) Exposure of students by visiting the central research central in various climatic zone.
- (6) Enhancement of seed testing laboratory viz electrophoresis techniques, Biochemical, analysis varietal identification test, resting of seed health, seed treatment, micropropagation techniques, deletion of various pathogen in the seeds which cause rapid deterioration of seed in field & godown.
- (7) Construction of green house for GOT, hardening of micropropagules with sprinkler system of irrigation
- (8) Make provision of advancement of storage facilities for germplasm collection.

- (9) Organize training & educational programme for farmers and students to provide advance seed production techniques, testing of seeds for their health, identification, genuines, deterioration and safe storage method its application.

ANNEXURE – 01

Detail of Publications

1. Dr. Sanjay Kumar Singh

- **Sanjay singh**(2010) Physiological and quality characteristics in seed of Cowpea (*Vigna unguiculata*)cultivars.*International j.of agri.sci.res*, June-2014,Vol-6,Issue 2: 412-414.
- **S.K.Singh** and B.P.S.Chauhan (2011) Heterosis studies in *Vigna radiata* .*j.Agric.sci.Res*.39 (1-2):99-102.
- Mahipat Singh and **Sanjay Kumar Singh**,(2014) Impact of varietal and growth regulator treatments on morpho-physiological characters and quality of Mung bean (*Vigna radiata*).*The j. of Rural and Agricultural Research*. June 2014, Vol-14,:13-17.
- **S.K.Singh** and B.P.S. Chauhan (2011) Line*Tester analysis of combining ability for yield and its component in Mung bean :*J. Agri. Sci. Res*. 39, (1-2) 92-98. (2011)
- Mahipat singh and **Sanjay Kumar Singh** (2012) Studies on chemical regulation of vigour index ,morpho-physiological and quantitative characters by seed treatment.in Mung bean (*Vigna radiata*):*J. of Natural Resources and Development*. Vol-7, (2012).
- Mahipat Singh Yadav and **Sanjay Kumar Singh** (2014). Effect of growth regulators on seed yield and seed quality in varieties of Mung Bean. *Progressive Research*,9 :101-106, (2014).
- Mahipat Singh,Harpal Singh, **Sanjay Kumar Singh** and Rajesh Kumar Pandey, (2013) Krishi me Neem ki Upyogita aur Mahatava. : Gramin Vikas Sandesh.Feb-2013-Jan 2014,:69-70.
- Mahipat Singh Yadav and **Sanjay Kumar Singh**, (2014). Impact of varietal and growth regulators treatment on morphophysiological characters and quality of Mung Bean. *J.of Pharmacology and Phytochemistry*:2014, 3(2): 216-220.

2. Dr. Udai Pal Singh

- **Udai Pal Singh**. "Phytotoxic effect of city waste water on growth and yield of induced mutants of green gram", *Annals of Plant and Soil Research*, Vol. 12(1) : 20-22(2010).

- **Udai Pal Singh.** Effect of Gibberellic acid on growth and yield of mustard under salt stress, *Journal of Scientific & Technological Research*, Vol(01), Issue-02, 2011.
- **Udai Pal Singh.** “To study the phototoxic effect of different concentrations of heavy metal (CuSO₄) on early seedling growth of induced mutants of *Vigna radiata* (L.) Wilczek”. *Journal of Scientific & Technological Research*, Vol(02), Issue-01, 2012.
- **Udai Pal Singh.** “Effect of IAA and salt stress (NaCl) on early seedling growth of wheat cultivars (*Triticum aestivum*). *Journal of Scientific & Technological Research*, Vol(02), Issue-02, 2012.
- Shikha Saxena, Alok Srivastava, V. P. Singh and **U. P. Singh.** “Potentiality of marigold for lead phytoextraction from artificially contaminated soil. *Ecol. Env& Cons.* 18(3): 2012; pp. (677-681).
- Lakhendra Singh and **Udai Pal Singh** “Improvement of early seedling growth of soyabean seeds by some bioregulators, *Journal of Scientific & Technological Research*, Vol(03), Issue-01, 2013.
- **Udai Pal Singh.** “To study the phototoxic effect of different concentrations of city waste water on early seedling growth of induced mutants of *Vigna radiata* (L.) Wilczek. *Journal of Scientific & Technological Research*, Vol(03), Issue-02, 2013.
- **Udai Pal Singh.** “Effect of kinetin and salt stress (nacl) on early seedling growth of *pisum sativum*. *Journal of Scientific & Technological Research*, Vol(03), Issue-02, 2013.
- **Udai Pal Singh.** “Effect of zinc sulphate on growth and yield of induced mutants of green gram”, *Annals of Plant and Soil Research* 16(4): 353-355 (2014).
- **Udai Pal Singh.** “Effect of Indol Acetic acid on physiological parameters of cowpea. *Journal of Scientific & Technological Research*, Vol (05), Issue-01, 2015
- **Udai Pal Singh.** “Effect of GA₃ and NaCl on growth parameters of *Pisum sativum*. *Journal of Scientific & Technological Research*, Vol (05), Issue-02, 2015

Book Published

“**Seed Physiology**” published by Society of Plant Reproductive Biologists, Agra.

Book Reviews: (01)

V. P. Singh, Alok Srivastava and **Udai Pal Singh** “Biochemical & genetic effects of heavy metals in plants” published in “Plant Reproductive & Molecular biology” edited by Chaturvedi & Singh published by Avishkar Publishers, Jaipur.

Abstracts published in Souvenir of “National Seminar on Conservation, Cultivation and Utilization of Medicinal plants” Department of Botany, R. B. S. College, Agra on 26-27 February, 2011.

1. Study of phytotoxic effect of city waste water on growth parameters of induced mutants of *Vigna radiata* (L.) Wilczek.
2. Effect of Aluminium and chromium on the germination and growth of two *Vigna* species.
3. Influence of hormonal priming with NAA on early seedling growth of *Triticum aestivum* under saline conditions.
4. Effect of IAA and salt stress (NaCl) on seed growth of wheat cultivars. (*Triticum aestivum*).
5. Effect of Gibberellic acid on growth and yield of mustard under salt stress in Agra region.
6. Germination and seedling growth of Pea (*Pisum sativum*) under varying levels of CuSO₄ and MgSO₄.

Abstracts published in Souvenir of “National Seminar on Climate change and Biodiversity” Department of Botany, R. B. S. College, Agra on 03-04 March, 2013.

1. Studies on the effect of different concentration of Ascorbic acid on seed germination%, seedling length and seedling biomass of *Cicer arietinum* seeds.
2. Studies on the effect of different concentration of IAA on early seedling growth of Cowpea seeds.
3. Studies on the effect of different concentration of ethylene on early seedling length and vigour index of *Avena sativa* seeds.
4. To study the effect of different concentration of Cadmium sulphate on early growth of *Pisum sativum* seeds.
5. Effect of different concentration of potassium nitrate on seed germination%, seedling length and seedling biomass of *Triticum aestivum* seeds.
6. Studies on the effect of different concentration of lead acetate on seed germination.
7. To study the effect of different concentration of Zinc sulphate on early seedling growth of *Abelmoschus esculentus* seeds.
8. Studies on the effect of different concentration of ferrous chloride on seed germination%, seedling length and seedling biomass of *Capsicum annum* seeds.

9. Studies on the effect of different concentration of Gibberellic acid and Kinetin on seed germination%, seedling length and seedling biomass of *Pisum sativum* seeds.
10. Studies on the effect of different concentration of Mercuric chloride on seed germination%, seedling length and seedling biomass of *Vigna radiata* seeds.

Abstract published in Souvenir of “National Seminar on Yamuna water pollution and its control measures: Present and future strategies” Department of Botany, R. B. S. College, Agra on 30 -31 March, 2014.

The effect of Yamuna water on early seedling growth of wheat, soybean and mustard seeds in Agra district, Uttar Pradesh, India.

Abstracts published in Souvenir of “National Seminar on New Frontiers in Organic Farming for Sustainable Development of Indian Agriculture” Department of Botany, R. B. S. College, Agra on 14-15 March, 2015.

1. Phytotoxic effect of copper sulphate on plantlets of potato.
2. Studies on the effect of Boric acid on physiological parameters of Potato seeds.
3. To study the effect of Kinetin on early seedling growth of Mustard seeds.
4. Effect of Gibberellic acid on early seedling growth parameters of Potato.
5. Studies on the effects of NAA on Physiological parameters of four varieties of *Pisum sativum*.
6. To study the promotive effect of IAA on early seedling growth of four varieties of *Pisum sativum*.
7. Phytotoxic effect of Zinc Sulphate on physiological parameters of Mustard seeds.
8. Studies on the effect of IBA on Physiological parameters of four varieties of Mustard.
9. Phytotoxic effect of Zinc Sulphate on growth parameters of Potato seeds.
10. Studies on the effect of Aluminium Sulphate on physiological parameters of *Vigna radiata* seeds.

Abstracts published in Souvenir of “National seminar on Waste Management and its control Measures: Present and Future Strategies” Department of Botany, R. B. S. College, Agra on 27-28 February 2016.

1. To study the inhibitory effect of NaCl on seedling growth of two varieties of Maize.
2. Phytotoxic effect of copper sulphate on physiological parameters of *Triticum aestivum* seeds.
3. To study the effects of 2,4-Dichlorophenoxy acetic acid on germination and early seedling growth of *Pisum sativum* seeds.
4. Effect of Imidacloprid on physiological growth of *Lens culinaris* seeds.

5. Effect of Chromium sulphate on physiological parameters of two varieties of *Vicia faba*
6. To study the effect of Isoproturon on physiological parameters of *Triticum aestivum* seeds.
7. To study the effect of Chloropyrifos on growth parameters of mustard seeds.
8. To study the effect of Cypermethrin on growth parameters of tomato seeds.
9. Studies on the effect of Nuvan on physiological parameters of two varieties of *Cicer arietinum*

2. **Dr. Sanjay Kumar Dixit**

- Dixit, S. K. (2010). Effect of Thuja on seed germination and seedling growth of *Vicia faba*. Ann. Pl. Soil Res. 12 (1) : 44-45.
- Dixit, S. K. (2011). Effect of flower extract of *Artemisia maritima* and *Calendula officinalis* on *Vicia faba*. Journal of Scientific and technological research. (02) 52-53.
- Dixit, S. K; Ojha. Shiv prakash and Yadav Shivani (2012). To study the effect of anticancerous drugs *Hydrastis canadensis*, *Stramonium* and *Azadirachta indica* on *Vicia faba* Journal of Scientific and technological research. (02/01) 32-33.
- Dixit, S. K. (2013). Mutagenic effects of *Chenopodium ambrosioides* extracts on *Vicia faba* Journal of Scientific and technological research. (03/01) 13.
- Dixit, S. K. (2015). Study of chromosomal behaviour in root meristem of *Pisum sativum* treated with Magnesium sulphate. Journal of Scientific and technological research. (05/02) 8-9.

3. Evaluative Report of the Departments

DEPARTMENT OF BIOTECHNOLOGY

1. Name of the Department : **BIOTECHNOLOGY**
2. Year of Establishment : **PG : 2004**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **PG (M. Sc.)**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Semester**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	---
Assistant Professors	02	02

10. Faculty profile with name, qualification, designation, specialization

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Shivendra Singh	M. Sc., Ph.D., NET, GATE	Assistant Professor	Genotoxicity Proteomics	13	---
Dr. Shipra Shukla	M. Sc., Ph.D., NET, GATE	Assistant Professor	Plant Biotechnology	13	---

11. List of senior visiting faculty : **1. Dr. R. K. Verma**
2. Dr. Kamal Singh
3. Dr. Rajvir Singh

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **NIL**

13. Student -Teacher Ratio (programme wise) : **PG – 15 : 1**

14. Number of academic support staff (technical) :
 and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	1	1
Lab. Attendant	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc., Ph. D. - 02**
NET, GATE - 02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar

University,

Agra
 19. Publications : **Refer ANNEXURE - 01**

* a) Publication per faculty

Name	No. of Papers	No. of Books
Dr. Shivendra Singh	03	---
Dr. Shipra Shukla	06	---
Total	09	---

* Number of papers published in peer reviewed journals (national / : **09**

international) by faculty and students

- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of publishers : **NIL**
- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**
- 20. Areas of consultancy and income generated : **NIL**
- 21. Faculty as members in
 - a) National committees :

Dr. Shivendra Singh

- **Member of Executive Council for 2011-13 of Indian Society of Genetics, Biotechnology Research and Development, India**

Dr. Shipra Shukla

- **Assistant Joint Secretary for 2013-15 of The Indian Society of Genetics, Biotechnology Research and Development, India**

b) International Committees : **NIL**

c) Editorial Boards :

Dr. Shivendra Singh

- **Member and Sectional Editor of the Indian Research Journal of Genetics and Biotechnology**

- 22. Student projects
 - a) Percentage of students who have done in-house projects including inter : **20%**

departmental/programme

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **80%**

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/visitors to the department :

- **Dr. V.K. Sharma (Scientist) N.J.I.L., Taj Gang Agra.**
- **Dr. Shailendra Verma (Scientist D), D.R.D.E. Gwalior.**
- **Dr. A.K. Kaul, Jammu University.**
- **Dr. Archana Shrivastava, Cancer Hospital and Research Institute, Gwalior.**
- **Meenu Roy. Cancer Hospital and Research Institute, Gwalior.**
- **Dr. G.B.K. Prasad, Jiwaji University Gwalior.**
- **Dr Venkteshan, (Dy. Director) NJIL, Taj Ganj. Agra.**
- **Dr. U.D. Gupta, (Director) NJIL, Taj Ganj. Agra.**
- **Dr. D.K. Maheshwari, Guru Kul Kangari University, Haridwar.**
- **Dr. Sant Prakash, Dayalbagh University, Agra.**
- **Dr. K .V. Prabhu, (Scientist), I.A.R.I. New Delhi**

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - **01**

Dr. Shipra Shukla

- Organized 2nd Biennia National Conference of Indian Academy of Science & Nature (IASN) 9 March 2013 on theme “**Global warming – Health Hazards & Mitigation Strategies**” as Associate Conference Coordinator.

b) International - **01**

Dr. Shipra Shukla

- Organized 2nd International Conference on “**New challenges in Biotechnology and Molecular Biology in the context of 21st century**” Feb 27-29 2016 as member of National Advisory Committee.

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. Part - I	2016-17	50	14	05	09	100%
	2015-16		15			
	2014-15		18			
	2013-14		16			
	2012-13		17			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : 8

29. Student progression

Student progression	Against % enrolled
UG to PG	NIL
PG to M.Phil.	NIL
PG to Ph.D.	60%
Ph.D. to Post-Doctoral	---
Employed	
· Campus selection	NIL
· Other than campus recruitment	70%
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

a) Library : **Departmental and Central**b) Internet facilities for Staff & Students : **YES**c) Class rooms with ICT facility : **NO**d) Laboratories : **03**31. Number of students receiving financial assistance from college, university, government or other agencies : **1. Post Matric Scholarship**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- **Educational Tour**
- **Seminars and Workshops attended by faculty to update themselves for students :**

Dr. Shivendra Singh

- Attended Training cum workshop on “Innovative Techniques as Alternative Replacement In Zoology Laboratory Exercises” held on 29th May, 2011. Organized by RBS College, Agra with Mahatama Gandhi Doerenkamp Center, Bhartidarshan University, Tiruchirapalli (Tamil Nadu) & Save Environment and Welfare Of Animal Society (Rajasthan).

Dr. Shipra Shukla

- Workshop cum hands on Training on “ Bioinformatics Application in Computer Aided Drug Discovery & Design (CADD)” held at Global Institute of Science and Technology, Agra on 20th May 2011.
- Training programme cum workshop on “Innovative Techniques As Alternative For Animal Replacement In Zoology Laboratory Exercises” held at RBS College, Agra in collaboration with
- Mahatma Gandhi Doerenkamp Center, Bhartidasan University, Tiruchirapalli (TN) and Save Environment and Welfare of Animal Society (Rajasthan) on 29th May 2011.
- HCST-DBT Short Term Training Course on Virus- Induced Gene Silencing- A tool to study gene function in plants held at Hindustan College of Science & Engg. Mathura from 18th Feb- 4th March 2013

- **Courses attended by faculty to improve competency and update themselves for the benefit of students :**

Dr. Shivendra Singh

- Attended UGC Sponsored Orientation Programme from 31st January 2012 to 29th Feb. 2012. At AMU, Aligarh
- Attended 2nd International conference on “New Challenges in Biotechnology and Molecular Biology in the Context of 21st Century” Organized by ISGBRD and ST. John’s College, Agra. From 27th Feb. 2016 to 29th Feb. 2016.
- International conference on “Emerging trends in Biotechnology and Sciences with especial reference to climatic change” 2015 organized by ISGBRD in collaboration with KVK, Vanasthali Vidhya peeth University, Raj. From 18th Feb to 20th Feb 2015.
- Attended 2nd Biennial National Conference of *Indian Academy of Science & Nature* on “Global warming: Health Hazards & Mitigation Strategies” March 09, 2013.
- Attended National Conference on “Emerging Trends in higher education” Conducted by P.G. College, Jalesar Etah, 20th – 21st Jan. 2012

Dr. Shipra Shukla

- Attended UGC sponsored Orientation Programme from 5th Sep to 4th Oct. 2011 at AMU Aligarh
- National Seminar on Conservation, Cultivation and Utilization of Medicinal Plants held at RBS College, Agra from 26th to 27th Feb 2011.
- 2nd Biennia National Conference of Indian Academy of Science & Nature (IASN) on theme “Global warming – Health Hazards & Mitigation Strategies” held at JALMA, Agra on 9 March 2013.
- One Day Seminar on Role of CSTUP in Promotion of Science and Technology and Facilitation of IPR Protection held at RBS College, Agra on 22nd feb 2015.
- 2nd International Conference on “New challenges in Biotechnology and Molecular Biology in the context of 21st century” held at St.Johns College, Agra on Feb 27-29 2016

33. Teaching methods adopted to improve student learning

- **Computer-Internet teaching aid.**

- **Black-board teaching aid**
- **LCD**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Dr. Shivendra Singh

- Organized Hands on Training on Harnessing Drugs From Medicinal Plants and Vaccine & Manufacturing conducted by Chimera Genetics Pvt. Ltd. & World Health Trust, Knowledge Park-1, Greater Noida. On 29th March 2014.
- Conducted Industrialization and skill development training programme on Biotechnology (Medicinal Plant) with MSME, Govt. of India. From 3rd Dec. 2009 to 17th Jan. 2010.
- Conducted Industrialization and skill development training programme on Bioinformatics with MSME, Govt. of India. From 18th Nov. 2009 to 2nd Jan. 2010

Dr. Shipra Shukla

- Conducted training programme of Biotechnology and awareness programme on Biotechnology of 3 months from 20th Jan 2006 to 19th April 2006 conducted by MSME, Gov of India

35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) To get audio visual aids for effective teaching and waking use of modern teaching aids viz. LCD projectors, slides etc.
- (2) To organize field trip to get acquainted with Latest work in biotechnology related to genetic engineering.
- (3) To regularly invite of emeritus scientist to give latest knowledge of the subject.
- (4) Make student attend or symposium or training programme so that students can learn to interact with scientist and to get acquainted with new research work.
- (5) Development of well aquipped laboratories for :-
 - Microbiological work
 - Plant tissue culture work
 - Animal tissue culture and Immunology lab
 - Common Molecular Bio. Lab.

ANNEXURE – 01**Detail of Publications****1. Dr. Shivendra Singh**

- Published a paper on “Lethality of Deltamethrin for a fresh water fish *Channa punctatus*” in *Indian Res. J. Genet. & Biotech.* 1 (3) 2011 140-144
- Published a paper on “Pyrethroid induced alteration and modulation by Liv.52 in gel electrophoresis bands of proteins in *Channa punctatus*” in *Indian Academy of Science & Nature (IASN)*, 2nd Biennial Conference 2013.
- Published a paper on “Analysis of *C.procera* and *C. gigentia* species against *S.aureus* Using chromatography separated extracts” in *Annals of Natural Sciences*. Vol.2 (2), June 2016 30-33

2. Dr. Shipra Shukla

- Shukla Shipra, Sikarwar Apurva, Bhadauria Seema and Upadhyay Sharmila, (2011) Degradation of a Polycyclic Aromatic Hydrocarbon by White Rot Fungus and its Laccase in the presence of Redox Mediator. *Indian Research Journal of Genetics and Biotechnology*, 1(3), 110-115.
- B.S.Kushwah, S.C.Upadhyaya, Shipra Shukla, Apurva Singh Sikarwar, R.M.S.Sengar, Seema Bhadauria, (2011) Performance of Nano Polyaniline-fungal enzyme based biosensor for water pollution. *Advanced Materials Letters*, VBRI Press. 2(1), 43-51.
- B.S.Kushwah, S.C.Upadhaya, Shipra Shukla, Apurva Singh Sikarwar, Seema Bhadauria,(2009) Determination of Phenol using Polyaniline-fungal Laccases biosensor. *International Journal of Pure and Applied Chemistry*, 4(1-2), 25-33.
- Upadhyay Sharmila, Shukla Shipra, Bhadauria Seema, (2008) Growth Responses of *Lens esculenta* Under Petroleum Contaminated Soil in Field and Pot Experiment. *Nature Environment and Pollution Technology*, 7(3), 403-414
- Shukla Shipra, Kumar Awneesh, “ Paryavaran ke liye surakshit keetnashak”, in *Krishi Gyan Ganga*, April- June (2015), 29(2), pg 43.
- Shukla Shipra, Bhadauria Seema, ” Sanrakshit Krishi”, in *Krishi Gyan Ganga*, Jan-March (2016).

3. Evaluative Report of the Departments

DEPARTMENT OF AGRONOMY

1. Name of the Department : **AGRONOMY**
2. Year of Establishment : **UG : 1940**
: **PG : 1946**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]**
: **PG [M. Sc. (Ag.)]**
: **Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
: **PG - Annual**
6. Participation of the department in the courses offered by other departments : **Ag. Statistics & Maths.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	01
Assistant Professors	07	04

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. B. P. Singh	M.Sc.(Ag.), Ph.D.	Associate Professor	Agronomy	35	6/32
Dr. S. B. Singh	M.Sc.(Ag.), Ph.D.	Asstt. Professor	Agronomy	12	-
Dr. Rajvir Singh	M.Sc.(Ag.), Ph.D.	Asstt. Professor	Agronomy	16	-
Dr. D.S. Chhonker	M.Sc.(Ag.), Ph.D.	Asstt. Professor (Mandai)	Agronomy	14	-
Dr. Uma	M.Sc.(Ag.), Ph.D.	Asstt. Professor (Mandai)	Agronomy	14	-

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : 1. Dr. R. S. Verma
2. Dr. B. B. Sharma
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : UG – 20%
PG – 25%
13. Student -Teacher Ratio (programme wise) : UG – 32 : 1
PG – 4.2 : 1
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | 01 | 01 |
| Lab. Attendant | 05 | 01 |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : M. Sc. (Ag.), Ph. D. - 05
16. Number of faculty with ongoing projects from a) National, b) International funding agencies and grants received : 02

- (i) **All India Coordinated Research Project for Cropping Systems Research.**

Grant received- 19,30,00/-

- (ii) **All India Coordinated Research Project for Dryland Agriculture.**

Grant received Rs.-69,08,000/-

17. Departmental projects funded by DST - FIST; : **NIL**
UGC, DBT, ICSSR, etc. and total grants received

18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
University,
Agra

19. Publications : **Refer ANNEXURE - 02**

- * a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. B. P. Singh	12	---
Dr. S. B. Singh	12	---
Dr. Rajvir Singh	08	03
Dr. D. S. Chhonkar	03	---
Dr. Uma	07	---
Dr. S. P. Singh	21	---
Total	63	03

- * Number of papers published in peer reviewed journals (national / international) by faculty and students - **42**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**
- * Monographs - **NIL**
- * Chapter in Books - **NIL**
- * Books Edited - **NIL**
- * Books with ISBN/ISSN numbers with details of publishers - **03**
- * Citation Index - **NIL**
- * SNIP - **NIL**
- * SJR - **NIL**

-
- * Impact factor - **NIL**
- * h-index - **NIL**
20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in
- a) National committees : **NIL**
- b) International Committees : **NIL**
- c) Editorial Boards :
1. **Dr. B. P. Singh**
- Member, The Journal of Rural and Agricultural Research
- Editor (Agriculture) – The Journal of Agricultural and Scientific Research
2. **Dr. Uma**
- Managing Editor - Technofame - A Journal of Multidisciplinary advance research
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **100% (RAWE)**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**
23. Awards / Recognitions received by faculty and students :
- Dr. Rajvir Singh**
1. Received the prestigious “**Best Citizens of India Award**” in 2012 by International publishing house, New Delhi (India).
2. Received the prestigious “**Bharat Shiksha Ratan Award**” in 2012 by the Global Society for Health and Educational Growth, New Delhi.
3. Received the “**Young Scientist Award**” by the Gramin Vikash Avam Siksha Prasara Samiti, Agra in year, 2016.

Dr. Uma

- a. Bronze medal for Best performance of B.Sc.(Ag.).
- b. Young Scientist Award:-
 - i. Indian Society of Genetics, Biotechnology Research and Development Agra. Indian Feb. 27-29, 2016.
 - Gramin Vikas Avam Siksha Prasar Samiti Agra(U.P.) June 11-12, 2016

24. List of eminent academicians and scientists/ visitors to :
the department

- (i) Dr. B. Gangwar. Director, Indian Institute of Farming System Research, Modipuram, Meerut.
- (ii) Dr. S.S. Tomar, Dean Agril. Faculty, RVS.KVV Gwalior (M.P.)
- (iii) Dr. R.C.Gautam, Dean Agril.Faculty, IARI, New Delhi
- (iv) Dr. D.P. Singh, V.C. J.N.K.V.V. Jabalpur (M.P.)
- (v) Dr. R.P.Singh-Director Higher education Uttar Pradesh

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National - **02**
- b) International - **NIL**

Dr. Rajvir Singh**National Seminars Organized**

Name of the Programme organized	Level of participation	Title	Year	Duration	Funding Agency
National Seminar	Co-organizing Secretary	Emerging trends in input management for higher agricultural productivity	2012	Feb, 26-27, 2012	U.P. Govt. & NABARD
National Seminar	Organizing Secretary	Value Added Functional Foods: Prospects and Future Challenges	2013	Feb, 23-24, 2013	U.P. Govt.

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		166			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. (Ag.) Part - I	2016-17	291	15	12	03	
	2015-16		17			
	2014-15		15			
	2013-14		15			
	2012-13		14			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **05 NET**

29. Student progression

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	---
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	32
· Other than campus recruitment	YES
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
- b) Internet facilities for Staff & Students : **YES**
- c) Class rooms with ICT facility : **YES**
- d) Laboratories : **02**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**
- 15**
- Dr. R.R. Singh Memorial – Scholarship**
- Rao Krishna Pal Singh - 05 Society and Social Welfare**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Dr. R.R.Singh Memorial Lectures delivered by**

- (i) Dr. D.P.Singh, V.C. J.N.KVV, Jabalpur (MP)
- (ii) Dr. R.C. Gautam, Dean Agril. Faculty, I.A.R.I., New Dehi

- **Seminars and Workshops attended by faculty for knowledge enrichment :**

1. **Dr. B. P. Singh**

- Attended 50th All India Wheat and Barley Research Workers' Meet held on August 21 to 24, 2011 at NASC Complex New Delhi.
- Attended 51st All India Wheat and Barley Research Workers Meet held on Aug. 24 to 27, 2012 at ARS Durgapura, Jaipur (Raj.).
- Attended 52nd All India Wheat and Barley Research Workers' Meet held on Aug. 23 to 26, 2013 at C.S.A. Agri. & Tech. University Kanpur.
- Attended 53rd All India Wheat and Barley Research Workers' Meet and International Seminar on Sustainable Agriculture held on Aug. 22 to 25th, 2014 at J.N.K.V.V. Jabalpur.
- Attended 55th All India Wheat and Barley Research Workers meet held on August 21st to 24th, 2016 at CCS HAU Hisar (Haryana)

2. **Dr. S. B. Singh**

- National seminar on "Improving water productivity limits and opportunities" at R.V.S.Krishi Vishwavidyalaya. Gwalior (M.P.) on February 25-26, 2011.
- National seminar on "Emerging trends in input management for higher agricultural productivity" at Janta College, Bakewar (Etawah) on 26th - 27th February, 2012.

- National seminar on “Impact of population growth on agriculture and rural development” at B.V.R.I., Bichpuri(Agra) on Feb. 9-10, 2013.
- National seminar on “Status of land resources: challenges and solutions” at B.V.R.I., Bichpuri(Agra) on 8 March, 2014.
- Workshop and Training Programme on “Census of India -2011; Analysis, Application and importance” at Agra College, Agra(U.P.) on 17th October 2014.
- International conference on “New Approaches in Biotechnology and Biosciences “NABB-2016” at R.B.S. Engineering Technical Campus, Bichpuri(Agra). on, February 18-20, 2016.
- National Seminar on “ Waste management and its control measures: Present and future strategies” at R.B.S.College, Agra (U.P.) on 27-28 February, 2016.
- Indo-Spain workshop on “ Electrolyzed Water Technology: An Eco-innovative solution for Agro, food and water industries” at R.B.S. Engineering Technical Campus, Bichpuri (Agra) on July 14, 2016
- National seminar on “Current initiatives in Higher Education” at Government Post Graduate College, Fatehabad Agra (U.P.) on 22 January, 2017

3. Dr. Rajvir Singh

National Seminars/Conferences/Workshops:

- (1) Participated in the National Seminar on Nai Sadi mein Bharat : Dasha Evam Disha sponsored by U.G.C. and Organized by Tilak P.G. College, Auraiya, U.P. on dated 29-30 Jan. 2011.
- (2) Participated in the National Symposium on Integrated Farming Systems for sustainable agriculture – challenged and opportunities on date 19-21 Feb, 2011 at Institute of Agricultural Sciences, Bundelkhand University, Jhansi (U.P.)
- (3) Participated in National Seminar on Horticulture and Agriculture research for prosperity of India at Janta P.G., College, Bakewar, Etawah. on date 28-29 March. 2011.
- (4) Participated in National workshop on use of Technical Terminology in Chemistry. Sponsored by Ministry of Human Resource Development, Govt. of India, organized at Janta College, Bakewar, Etawah, U.P. on dated 29-30 Sept. 2011.
- (5) Participated in National seminar on “Women towards empowerment in new millennium”. Sponsored by UGC and organized by T.D.P.G. College, Auraiya (U.P.) on dated : Jan, 28-29, 2012.

- (6) Participated in National seminar on "Research methodology in chemistry". Sponsored by UGC and organized by Janta College, Bakewar, Etawah (U.P.) on dated : Feb, 03-04, 2012.
- (7) Participated in National seminar on "Emerging trends in input management for higher agricultural productivity" Sponsored by U.P. Govt and NABARD and organized by Janta College, Bakewar, Etawah (U.P.) on dated : Feb, 26-27, 2012.
- (8) Participated in National Seminar on Value added Functional Foods: Prospects and Future Challenges" at Janta P.G., College, Bakewar, Etawah. on date 23 -24 February. 2013.
- (9) Participated in National Educational Summit organized by govt of Gujrat at Gandhi Nagar, Ahmadabad during 10-11, January 2014
- (10) Participated in National Seminar on Status of Land Resources: Challenges and Solutions organized by department of Rural Sociology and community development, Balwant Vidhyapeeth Rural Institute, Bichpuri, Agra during 8th March 2014.
- (11) Participated in National Seminar on Current Trend in Biological Sciences : Advances & Challenges organized by Janta College, Bakewar (Etawah) on 13-14 Dec. 2014.
- (12) Participated in National Seminar on Advances of Material Sciences in Physics organized by Janta College, Bakewar (Etawah) on 20-21 Dec. 2014
- (13) Participated in National Seminar on Impact of Organic Farming in Sustainable Rural Development through agriculture. Organized by Banaras Hindu University, Varanasi during Feb. 8 & 9, 2016.
- (14) Participated in National Seminar on Bio-diversity and renewable energy. Organized by Baba Sahab Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah U.P. (A Faculty of Technology of Chandra Shekhar Azad University of Agriculture & Technology, Kanpur) during Feb. 13-14, 2016.
- (15) Participated in National Seminar on Waste management and its control measures : Present and Future strategies. Organised Department of Botony, R.B.S. College, Agra during, Feb. 27-28, 2016.
- (16) Participated in National Conference on Agricultural and Rural Development for sustainable Agriculture and all round welfare of rural community during June 11-12, 2016
- (17) Participated in Training Programme on Intellectual Property Rights : A boon for sustainable production. Organized by Janta College, Bakewar, Etawah (U.P.) during Jan. 18-19, 2017.

- (18) Participated in National Seminar on Current Initiatives in Higher Education. Organized by Govt. P.G. College, Fatehabad, Agra during Jan. 22, 2017.

International Seminars/Conferences/Workshop attended: (4)

- (1) Participated in International Science Congress on Science and Technology – Challenges of 21st century (ISC 2012) on dated 08-09 December, 2012 at Bon Maharaj Engineering College, Vrindavan, Mathura (UP).
- (2) Participated in the International Seminar on "Mahamana's Vision of Nation building " at Banaras Hindu University, Varanasi (U.P.) held on during 23-24 December, 2012.
- (3) Participated in International Science Congress on "New Approaches in Biotechnology & Biosciences, Organized by Deptt. of Biotechnology, R.B.S. Engineering Technical Campus, Bichpuri (Agra) during Feb. 18-20, 2016.
- (4) Participated in International workshop (Indo-Spain) on Electrolyzed water technology : An Eco Innovative Solution For Agro, Food and Water Industries, organized by Deptt. of Chemical Engineering, R.B.S. Engineering Technical Campus, Bichpuri (Agra) during July 14, 2016.

4. Dr. D. S. Chhonkar

1. Participated in national seminar on value added functional foods: "Prospects and future challenges" at Janta P.G. College, Bakewar, Etawah on date 23-24 February 2013
2. Participated in National seminar on "Climatic change and biodiversity" organized by department of Botany, R.B.S.College Agra during 3-4 March, 2013.
3. Participated in national seminar on status of land resources: challenges and solutions organized by department by Rural Sociology and Community Development, Balwant Vidhyapeeth Rural Institute, Bichpuri, Agra on 8th march, 2014.
4. Participated in national seminar on Waste Management and Control Measures: Present and future strategies. Organized by department of Botany, R.B.S.College, Agra on Feb 27- 2016

5. Dr. Uma

1. Participated in National seminar on climate change and Biodiversity present status and future strategy on 3-4, March 2013 at department of Botany R.B.S.College, Agra
2. Participated in National seminar on impact of population growth on agriculture and rural development from 09 & 10, 2013 at Deptt. of Economics and co-operation, Balwant Vidyapeeth Rural Institute, Bichpuri, Agra

3. Value added functional foods: Prospects and future challenges(Feb 23-24) 2013, Janta College Bakewar (Etawah)

5. Dr. S. P. Singh

- Interactive meeting with Secretary & Director General ICAR , held on 8th April, 2011 at NASC Complex ICAR New Delhi
- Meeting on review of AICRPDA & NICRA technical program held at NASC Complex New Delhi on 10th, April ,2011 .
- VIth QRT Review meeting of AICRPDA Centre Agra , held at Hissar from 29th- 30th August 2011
- XXIII Biennial workshop of AICRPDA , held at Solapure (Maharastra) from 19-23rd December 2011
- Review workshop of KVKs under NICRA in Zone VII held at KSKVV, Gwalior(M.P.) from 24-25 July 2012, organized by Zonal Directorate zone VII Jabalpur and Central Institute of Fresh water Aquaculture
- National Seminar on “Climate change and bio-diversity” held at RBS College, Department of Botany from 3-4 March 2013, Sponsored by Dept of Higher Education , Govt, of U.P
- IInd Annual Review Workshop of NICRA – AICRPDA at RARS, UAS Bijapur (Karnatka) from 15th to 17th Dec. 2013
- XXIV Biennial workshop of AICRPDA held at ICRPDA centre Indore RVSKVV , Gwalior ,Madhya Pradesh ,from 26-29 December 2014
- National Seminar on" Reinvigorating Agricultural Innovation For Farmers Empowerment and Development " held at PJTSAU Hyderabad from 3-4 May 2015
- IIIrd Annual Review Workshop of AICRPDA - NICRA held at AICRPDA centre Anantapuramu (A.P.) from 1st to 3rd September 2015
- XVth Working group meeting of National Innovation on Climate Resilience Agriculture (NICRA) held at AICRPDA Centre , Biswanath Chariali, AAU, Assam on 24th- 27th December, 2015
- International conference on “New Approaches in Biotechnology and Biosciences “NABB-2016” at R.B.S. Engineering Technical Campus, Bichpuri(Agra). on, February 18-20, 2016
- National Seminar on “Waste management and its control measures: Present future strategies” at R.B.S.College, Agra (U.P.) on 27-28 February, 2016.
- A meeting on compilation and documentation of resilient / successful technology/practice of Agra centre at CRIDA, Hyderabad from 27 to 30 March, 2016
- Participation in a meeting on establishment of regional centre of ICAR-CRIDA held at CRIDA, Hyderabad on 19 May, 2016.

- Indo-Spain workshop on “ Electrolyzed Water Technology: An Eco-innovative solution for Agro, food and water industries” at R.B.S. Engineering Technical Campus, Bichpuri (Agra) on July 14, 2016
- XXVth Biennial Workshop of AICRPDA Programme held at AICRPDA - centre Akola (Maharashtra)From 17-21 January ,2017

6. Javed Ali

- XXIV Biennial workshop of AICRPDA held at AICRPDA centre Indore RVSKVV, Gwalior, Madhya Pradesh ,from 26-29 December 2014
- IIIrd Annual Review Workshop of AICRPDA - NICRA held at AICRPDA centre Anantapuramu (A.P.) from 1st - 3rd September 2015

Courses attended by faculty to improve competency and update themselves for the benefit of students :

Dr. S. B. Singh

Summer School on Current trends in quality potato production, processing and marketing July 8-28, 2014 at Central Potato Research Institute, Shimla(H.P.)

Dr. Rajvir Singh

N.S.S. Training and Orientation Programme from 09-15 March, 2014 organized by Empanelled Training Institute, St. John's College, Agra

33. Teaching methods adopted to improve student learning :

- **Class room study**
- **Practical crop production.**
- **Seminars**
- **Visits of different projects**
- **Study tours at different Agril. Universities & Research Centres**
-

35. Participation in Institutional Social Responsibility (ISR) and Extension activities

- (i) Rural Agriculture works experience (RAWE).
- (ii) Conducted the field demonstrations on the farmers field.
- (iii) All India Radio and T.V. Programme :
 - **All India Radio (4) : Agriculture Talk for Krishi Barta Programme on various aspects of agriculture science. By AIR Station Agra.**
 - **Doordarshan (Hello Kisan Programmes) Prasar Bharati, New Delhi – live telecast of package and practices on gram, pea and lentil on dated 09 December 2015 at 6.00 PM to 7.00 PM.**

- **Kishan Goshthi, Lecture delivered more than 20 in Kishan Goshthis for various aspects of crop production.**

35. SWOC analysis of the department and Future plans

S= Strength

- 964 students did their post graduation and 259 research scholars received Ph.D. on burning problems of various aspects of Agronomy and they served in different organization on national and international repute.
- We have produced 3 to 4 Ph.D. Scholars in Agronomy in a year.
- We have field facility for M.Sc.(Ag.) & Ph.D. Students.
- We have Laboratories for research work.
- Conducted Research, based on the local problems of farmers.
- Selection of various varieties & agro techniques for different crops suitable for this region.

O= Opportunity

Organize the campus interview for placement of students by different organizations.

C= Constraints:-

- Lack of teaching & non teaching staff.
- Lack of appropriate funds.
- Lack of smart classes in U.G level.

Future Plan

Develop the smart classes for U.G. & P.G. level.

Develop the courses for Ph.D. classes.

ANNEXURE – 01**List of Ph. D. Scholars****1. Dr. B. P. Singh**

S.No.	Name of Candidate	Topic	Year of awarded
1	Mr. Tarun Kumar Lawania	Effect of Bio-fertilizer, nitrogen and sulphur on the growth, yield and quality of Linseed(<i>Linum usitatissimum</i> L.)	2011
2	Mr. Deepak Kumar Singh	Studies on crop management strategies for improving maize productivity under Drought stress.	2012
3	Mr. Dindayal Gupta	Studies on Weed Management in Maize-Soybean Inter-cropping in Relation to Nitrogen Fertilization.	2013
4	Mr. Angad Singh Rajput	Yield and quality of Blond Psyllium(<i>Plantago ovata</i>) as influenced by Date of sowing and Nutrient Management in Inceptisols of Bastar Plateau Region of Chhattisgarh.	2014
5	Mr. Sanjay Kumar	Effect of Moisture Conservation and Fertility on Indian Mustard(<i>Brassica juncea</i>) and Lentil(<i>Lens culinaris</i>) Intercropping system under rainfed conditions.	2014
6	Mr. Mohan Singh	Effect of crop establishment methods and weed management practices on Wheat under Rice-Wheat cropping system.	2016

ANNEXURE – 02**Detail of Publications****Books Published by Dr. Rajvir Singh (3) :**

- (i) Scientific Crop production - In Hindi - Kushal Publication & Distributors, Varanasi. **ISBN No.** 81-86099-44-1. (2011)
- (ii) Principles of Advanced Agronomy - In Hindi - Kushal Publication & Distributors, Varanasi, **ISBN No.** 81-86099-37-9. (2012)
- (iii) Principles of Agronomy & Scientific Crop Production - In Hindi, Kushal Publication & Distributors, Varanasi, **ISBN No.** 81- 86099-82-4. (2013)

1. Dr. B. P. Singh

- Kumar, S. and **B.P.Singh** (2011). Response of pigeonpea genotypes to levels of phosphorus and sulphur. Ann. Pl. Soil Res. 13(1): 53-55.
- Kumar, S.; **B.P.Singh**; T.K. Lawania; S.K. Singh and Dindayal Gupta (2011). Effect of nitrogen, sulphur and boron on seed yield and quality parameters of linseed(*Linum usitatissimum* L.). Journal of Rural and Agricultural Research. 11(1): 88-89.
- Lawania, T.K.; **B.P. Singh**; Dindayal Gupta; Sanjay Kumar and A.K.Sharma(2012). Effect of Biofertilizer, Nitrogen and Sulphur on the yield and yield attributes of Linseed(*Linum usitatissimum* L.). National seminar on Agricultural Education, Research and Extension; Problems, Solution and prospects on 11th April, 2012 at K.V.K., IAS Banaras Hindu Univ., RGSC Barkachha, Mirzapur(U.P.) Souvenir pp. 56.
- Kumar, Subodh and **B.P. Singh** (2012). Influence of Phosphorus and sulphur Fertilization on root studies and yield of Pigeonpea(*Cajanus cajan* L.)genotypes. The Journal of Rural and Agricultural Research 12(2):93-95.
- Dindayal Gupta; **B.P.Singh**; T.K.Lawania and Manish Singh(2013). Effect of weedicides and nitrogen levels on growth and yield of maize-soybean intercropping system. National Seminar on Impact of Population Growth on Agriculture and Rural Development on 9-10 Feb. 2013 at B.V.R.I. Bichpuri(Agra) Souvenir pp. 32.
- Sharma, A.K.; **B.P.Singh**; Dindayal Gupta; T.K. Lawania and V.K. Gulpadiya(2013). Effect of Phosphorus levels and biofertilizers on growth and yield of gram (*Cicer arietinum* L.) National Seminar on value Added Functional

Foods; Propects and Future Challenges held on 23-24 Feb. 2013 at Janta College Bakewar, Etawah (U.P.) Souvenir pp113.

- Dindayal Gupta; **B.P.Singh**; T.K.Lawania and Sanjay Kumar(2013). Studies on impact of weedicides and nitrogen levels on growth and yield of maize-soybean inter-cropping system. The Journal of Rural and Agricultural Research 13(1):26-28
- Kumar,Subodth and **B.P.Singh**(2014) Productivity and profitability of Pigeonpea(*Cajanus cajan* (L) Millsp.) genotypes as influenced by phosphorus and sulphur fertilization. The Journal of Rural and Agricultural Research. 14(1): 23-27.
- Gulpadiya,V.K.; **B.P.Singh**; D.S.Chhonker and Dindayal Gupta(2014). Effect of varieties and phosphorus levels on growth and yield of Chickpea(*Cicer arietinum* L.). The Journal of Rural and Agricultural Research. 14(1). 43-44.
- Sher Singh; Gajendra Singh; **B.P.Singh** and M.V.Singh(2014). Productivity,Economics and Energetics of Lentil, as affected by seeding methods and seed rates after Rice in low land of Eastern U.P. Annals of Plant and Soil Research 16(3):215-218.
- Kumar Sudhir; Subodh Kumar; Omkar Singh and **B.P.Singh** (2014). Effect of phosphorus and sulphur fertilization on productivity and nutrient uptake of Pigeonpea(*Cajanus cajan*). Ann. Agric. Res. New series 35(1):54-57
- Lawania, T.K.; **B.P.Singh**; Dindayal Gupta; Sanjay Kumar and Adityendra Kumar(2015). Effect of biofertilizer, nitrogen and sulphur on growth and yield of Linseed (*Linum usitatissimum* L.) Ann. Agric. Res. New series 36(1): 1-6.

2. **Dr. S. B. Singh**

- **Singh, S.B.**; Chauhan, S.K. and Vishwanath (2011). Evaluation of Isabgol (*Plantago ovata* forsk) varieties to potash levels in semi-arid condition. **The Journal of Rural and Agricultural Research** 11(2): 58-59.
- **Singh, S.B.**; Chauhan, S.K.; Pundir, Rahul; Singh, B.R. and Singh, Sushil Kumar(2012).Effect of integrated nutrients(NPK) management on wheat(*Triticum aestivum* L.) on yield and economics in pearl millet- wheat cropping system in semi-arid areas. **The Journal of Rural and Agricultural Research** 12(2): 108-110.

- **Singh, S.B.** and Singh, A.C.(2013) Sustainable production model(system) in pearl millet-wheat cropping system. **Journal of the Kalash Science**. Special Volume, 2013: 43-44
- Chauhan, T.M.; Ali, Javed; Singh, S.P. and **Singh, S.B.** (2014). Effect of nitrogen and zinc nutrition on yield, quality and uptake of nutrients by wheat. **Annals of Plant and Soil Research**. 16(2): 98-101.
- **Singh, S.B.** and Chauhan, S.K. (2014). Productivity and economics of pearl millet as influenced by integrated nutrient management. **Annals of plant and soil Research**. 16(4): 356-358
- **Singh, S.B.** and Chauhan, S.K. (2014). Impact of organic manures on yield of potato(*Solanum tuberosum* L.) in semi-arid condition of Western U.P. **The Journal of Rural and Agricultural Research** 14(1): 45-46.
- Singh, Lakshpat; **Singh, S.B.**; Gupta, Dindayal and Lal, Murari (2015). Effect of irrigation and nitrogen on growth and yield of field pea varieties. **Annals of Plant and Soil Research** 17(1):96-99.
- Jadon, K.P.S.; Gupta, Dindayal; **Singh, S.B.**; Singh Lakshpat and Singh, Pratap (2015). Effect of nitrogen on growth, yield and nutrient uptake by malt barley genotypes. **Annals of Plant and Soil Research** 17(4):377-380.
- **Singh, S.B.** and Chauhan, S.K. (2016). Effect of integrated nutrient management on barley (*Hordeum Vulgare* L.) under semi-arid conditions of Western Uttar Pradesh. **TECHNOFAME-A journal of multidisciplinary Advance Research**. 5 (1): 20-23
- Singh, Rajvir; **Singh, S.B.** and Rajput, O.P. (2016). Crop productivity and soil fertility of Pearl millet (*Pennisetum glauccum* L.)-Wheat (*Triticum aestivum* L.) Cropping System as influenced by organic manures and fertilizers. **TECHNOFAME-A journal of multidisciplinary Advance Research**. 5 (1): 134-137
- **Singh, S.B.** and Chauhan, S.K. (2016). Effect of Integrated Nutrient Management on pearl millet crop grown in Semi-arid climate. **TECHNOFAME-A journal of multidisciplinary Advance Research**. 5 (2): 54-57.
- Singh, Rajvir; **Singh, S.B.** and Singh, A.C. (2016): An overview of organic farming for sustainable agriculture production. **Journal of the kalash science**. 4(2): 25-28

3. **Dr. Rajvir Singh**

- Rajput, O.P., Singh, Brajraj and **Singh Rajvir**, 2011. 'SWOT' analysis on ITK for promoting organic farming. Flora and Fauna. An International Research journal of Biological Science. Vol.(17): 1 pp76-79.
- Shahi, Sudhir Kumar and **Singh, Rajvir**, 2011. Integrated farming systems- A key for sustainable development. Flora and Fauna. An International Research journal of Biological Science. Vol. (17): 1 pp85-87.
- Singh, Rajvir.**, and O.P. Rajput, 2012. Studies on energy budgeting in pearl millet – wheat cropping system under semi arid conditions of Agra region of western U.P.(AESR 4.1) The Journal of Rural Agriculture Research Vol.-12 (2) pp 74 – 77.
- Singh, Rajvir.**, Shahi, Sudhir Kumar., Mishra, D.J. and Mishra U.K. (2013) Emerging Trends in Indian Agriculture : A Review. *Res. J. of Recent Sciences*. Vol. 2 (ISC- 2012), 36 – 38 (2013)
- Mishra, D.J., **Singh, Rajvir.**, Mishra, U.K. and Shahi, Sudhir Kumar, (2013) Role of bio fertilizer in organic agriculture : A Review. *Res. J. of Recent Sciences*. Vol. 2 (ISC- 2012), 39 – 41 (2013)
- Shahi, Sudhir Kumar., **Singh, Rajvir.**, Mishra U.K. and Mishra, D.J., (2013) Strategies for sustainable dairy farming in India : A Review. *Res. J. of Recent Sciences*. Vol. 2 (ISC- 2012), 42 – 44 (2013)
- Singh, Rajvir**; Singh, S.B. and Rajput, O.P. 2016. Crop productivity and soil fertility of pearl millet-wheat cropping system as influenced by organic manures and fertilizer. *Technofame*. Vol. 5 No. 1, pp134-137.
- Singh, Rajvir**; Singh, S.B. and Singh, A.C. 2016. An overview of organic farming for sustainable agriculture production journal of kalash science. Volume 4, No. 2, pp. 25-28.

AQ4. **Dr. D. S. Chhonkar**

- Gulpadiya, V.K. and Chhonker, D.S.(2014). Effect of phosphorus on growth, productivity and economics of chickpea varieties. *Ann. Pl. Soil Res.* 14(4):334-337.
- Gulpadiya, V.K. ; Singh, B.P.; Chhonker,D.S. and Gupta, Dindayal (2014). Effect of varieties and phosphorus levels on growth and yield of chickpea (*Cicer arietinum* L.). *The Journal of Rural and Agricultural Research*. 14(1): 43-44
- Gulpadiya, V.K. and Chhonker, D.S.(2014). Effect of phosphorus on production economics of Chickpea. *Indian Res. J. Genet. and Biotech*.

6(3):539-542

5. **Dr. Uma**

- Uma and Manorma (2013). Effect of Saline water and fertility levels on calcium, magnesium and zinc content and their uptake by lemongrass. Indian Society of Genetics, Biotechnology Research & Development, 4(5):
- Kuntal, Shivangi & Uma (2014). Effect of dates of sowing on yield attributes and yield of various Genotypes wheat under irrigated condition of Agra region. Technofame- A Journal of Multidisciplinary advance research 3(2): 59-62
- Singh, Yaduvir,; Uma and Singh, A.K. (2015). Effect of residual sodium carbonate of sodic irrigation water on nutrient composition and their uptake in lemongrass. Technofame A Journal of Multidisciplinary: 4(1) 26-31
- Poonam Singh and Uma (2015): Effect of sowing dates on yield contributing characters and yield of some new wheat genotypes under irrigated conditions. Technofame of multidisciplinary advance research : 4(1): 32-35
- Uma and Gomti(2016): Effect of dates of sowing and various new genotypes on yield attributes and yield of wheat (triticum aestivum L.). Asian resonance – A peer reviewed mulidisciplinary International Research Journal. Vol –II: 1-3.
- Uma (2016): Influence of phosphorus levels and its phases of application on yield attributes, yield and composition of wheat in pigeonpea –wheat sequence. Remaking –multidisciplinary International Journal. Vol._I (V): 24-26
- Anu, Dewanda and Uma (2015). Growth characters and dry matter accumulation of wheat genotypes as affected by dates of sowing. Technofame –A Journal of multidisciplinary advance research. Vol-4: 2

6. **Dr. S. P. Singh**

- Sankar , GR.M., Mishra, P.K., Sharma, K.L., **Singh, S.P.**, Nema, A.K. (2012) Efficient tillage and nutrient practices for sustainable pearl millet productivity in different soil and agro- climatic conditions. **Experimental Agriculture**. 48(1): 1-20 (7.06)
- Javed, Ali, **S.P.Singh**, Sandeep Singh (2013). Response of fababean to boron, zinc and sulphur application in Alluvial soil. **Journal of the Indian Society of Soil Science**. 61(3):202-206. (4.2)

- Sahay, N., **Singh, S.P.**, and Sharma, V.K. (2013). Effect of cobalt and potassium application on growth, yield and nutrient uptake in lentil. **Legume Research** 36. (3) : 259-262 (6.2)
- Chauhan, T.M., Ali, Javed, Singh, H., Singh N, and **Singh, S.P.** (2014).Effect of zinc and magnesium nutrient on yield, quality and removal of nutrient in wheat (Triticum aestivum) **Indian Journal of Agronomy**, 59 (2) : 276-280. (5.5)
- Chauhan, T.M., Ali, Javed, **Singh, S.P.** and Singh, S.B. (2014) Effect of nitrogen and zinc nutrition on yield, quality and uptake of nutrient by wheat. *Annals of Plant and Soil Research*. 16 (2) : 98-101. (3.66)
- Ali, Javed, Singh, S., **Singh, S.P.**, and Katiyar, D.K., (2014) form of sulphur in wheat growing soils of Agra district of Uttar Pradesh. *Annals of Plant and Soil Research*. 16 (2) : 148-150.
- Singh, Sandeep, Ali, Javed, Singh, H. and **Singh, S.P.** (2014), Vertical distribution of phosphorus fraction in alluvial soils of South-Western plain zone of Uttar Pradesh, *Annals of Plant and Soil Research*. 16 (2) : 84-88. (3.66)
- Chauhan, T.M., Ali, Javed, **Singh, S.P.** and Singh, S.B. (2014)Effect of nitrogen and zinc nutrition on yield, quality and uptake of nutrient by wheat. *Annals of Plant and Soil Research*.16(2):98-101. (3.66)
- Ali, Javed, Singh, S., **Singh, S.P.**, and Katiyar, D.K., (2014) form of sulphur in wheat growing soils of Agra district of Uttar Pradesh. *Annals of Plant and Soil Research*. 16 (2) : 148-150.
- 20. Singh, D.P.and **Singh, S.P.** (2014), Status of sulphur in soils and vegetables crops of Agra district, U.P. *Annals of Plant and Soil Research*, 16 (3) : 261-263.
- 21. Singh, D.P., Gulpadiya, V.K., Chauhan, R.S. and **Singh, S.P.** (2014) Effect of sulphur on productivity, economics and nutrient uptake in spinach. *Annals of Plant and Soil Research*, 17(1): 29-32.
- 22. Kumar Yogesh, **Singh, S.P.** and Singh, V.P. (2014) Effect of FYM and potassium on yield, nutrient uptake and economics of wheat in Alluvial soil. *Annal of Plant and Soil Research*,17(1):100-103. (3.66)

- Sharma, K. L, Vittal , K.P.R, **Singh, S.P.**, Nema, A.K., Chauhan , S.P.S, Sankar, GR.M, Lal ,M and Usharani, K. (2014) Effect of soil management practices on key soil quality indicators and indices in pearl millet based system in hot semi-arid Inceptisols. *Soil Science and Plant Analysis*.45(6): 785-809. (6.4)
- **S. P. Singh**, Arvind Singh, P. K. Singh and Javed Ali (2014). Productivity and profitability of mustard varieties as influenced by different planting time. National conference On "Reinvigorating Agricultural Innovation for Farmers Empowerment and Development held at PJTSAU, Hyderabad from 3-4th May 2015.
- **S. P. Singh**, P.K. Singh, Arvind Singh, Javed Ali and Rahul Singh (2015). Effect of Potassium fertilization with different fertility levels on mustard (*Brassica juncea* L.) in light textured soil of south - western zone of Uttar Pradesh. National conference On "Reinvigorating Agricultural Innovation for Farmers Empowerment and Development held at PJTSAU, Hyderabad from 3-4th May 2015.
- Javed Ali ,**S. P. Singh** and P. K. Singh (2015). Studies on impact of improved dry land technology on rain fed Pearl millet. An on -farm approach in south -western part of Agra district. .National conference On "Reinvigorating Agricultural Innovation for Farmers Empowerment and Development held at PJTSAU, Hyderabad from 3-4th May 2015.
- **S. P. Singh**, P.K. Singh, Arvind Singh, Javed Ali and Rahul Singh (2015). Effect of moisture conservation practices and mode of Nitrogen application on productivity and profitability of Pearl millet under semi-arid condition. .National conference On "Reinvigorating Agricultural Innovation for Farmers Empowerment and Development held at PJTSAU, Hyderabad from 3-4th May 2015.
- Javed Ali ,**S. P. Singh** and P. K. Singh (2015). Response of Guar (*Cyamopsis tetragonoloba* (L.) Taub) to sulphur levels, source and mode of application under rain fed conditions. .National conference On "Reinvigorating Agricultural Innovation for Farmers Empowerment and Development held at PJTSAU, Hyderabad from 3-4th May 2015.
- Rahul Pundir, S. B. Singh, Javed Ali and **S. P. Singh (2015)**. Studies on effect of inorganic fertilizer with and without organic sources on Pearl millet in Pearl millet-Wheat crop sequence in south- western part of U. P. .National conference On "Reinvigorating Agricultural Innovation for Farmers

Empowerment and Development held at PJTSAU, Hyderabad from 3-4th May 2015.

- P.K. Singh, Javed Ali, Arvind Singh, Rajesh Kumar and **S. P. Singh (2015)**. Integrated production technologies for enhancing productivity of pearl millet under rain fed condition through farmers participated approach. .National conference On "Reinvigorating Agricultural Innovation for Farmers Empowerment and Development held at PJTSAU, Hyderabad from 3-4th May 2015.
- **S.P.Singh**, G.R.M.Sankar, A. K. Nema , P. K .Singh ,Ch. Srinivas Rao ,and P.K.Mishra (2016) Effect of moisture conservation ,sowing methods and split application nitrogen levels on sustainable profitability of pearl millet under arid Inceptisols . indian journal of soil conservation.44(2) :206-215

1. Post graduate teaching and research work.

During the last seventy years, the department of Agronomy besides post graduate teaching, could well take the credit for making agronomic research an integral part of teaching in this part of the country so far during seventy years (1946-2016) as many as 964 students did their post graduation in agronomy with credit and 259 research scholars received Ph.D. on burning problems of various aspects of agronomy – cropping systems, water requirement, nutrient management, weed management and cultural aspects of all major and minor crops cultivated under irrigated and rainfed conditions .

2. Research Projects :

Department is actively associated in the main stream of national research since 1957 through the All India Coordinated Research Projects sponsored and financed by Govt. of India (ICAR). The details are given below.

(A). Research Projects completed :

S.No. Name of scheme and its tenure

1.	Weed control scheme (1959-61) 2 years.
2.	Scheme to study the effect of improved bullock drawn implements on the physical properties of the soil & crops performance (1959-62) 3 years.
3	Agronomical investigations on fodder crops (1960-63) 3 years.
4	Coordinated weed control scheme (1961-66) 5years.
5	Studies on water quality and soil salinity problems (1962-63)
6	Scheme for control and reclamation of saline and alkali soils and use of poor quality irrigation water (1963-67) 4years.
7	RNSP Experiments (1966-1971) 5 years.
8	DNES Project-Investigations on the screening and agronomic evaluation of fast growing fuel wood species and agronomic feasibility of energy plantation on the salt affected soils of Awagarh Farm- (1986-1995) 9 years
9	Wasteland Development and management project.

B. On Going Research Project:-**1. All India Coordinated Agronomic Research Projects on Farming Systems Research:-**

This Research Project was sponsored and solely financed by ICAR as sub centre. This has been in existence in one form or the other since 1957 in the department of agronomy, when it was initiated as "Model Agronomic experiments centre. However, during 6th five year plan this project has been reshaped and renamed as "Cropping systems research projects" with the main objectives of evolving cropping system and to investigate the production potential of intensive crop sequences. This project has been renamed as "Farming System Research since April, 2009.

2. All India Coordinated Research Project for Dryland Agriculture:-

As a multidisciplinary approach to tackle the problems of raising successful crops on drylands, work was initiated with the establishment of All India Coordinated Research Projects for Dryland Agriculture at 23 centres in 1970, spreading all over the country. R.B.S. college, Agra centre was also approved by the ICAR and came into operation in Sept. 1970 as one of the sub centre with three disciplines, comprising , Agronomy, Soil Science and Ag. Engineering.

3. All India Coordinated Wheat Improvement Project:-

Department of Agronomy has been actively associated from the very beginning of introduction of dwarf Mexican wheat as early as since 1963-64 in collaboration with directorate of wheat research , Karnal(ICAR). Agronomic trials are being conducted every year to develop Agronomy of dwarf wheat for Northern Western Plain Zone of the country. Deptt. of Agronomy has developed Agro-technology of wheat and Barley for irrigated timely and late sown situations for this region.

4. Research Publications :-

The Scientist of Agronomy department during its seventy years of existence have contributed more than 710 research papers and the same have been published in various leading Journals of the country and International Journal. In addition to this , each research project published its annual report every year for presentation in the annual workshop.

5. Participation in National and International Conferences, Seminars, Workshops, Summer Institutes etc :-

The department participation in conferences, seminars, workshops and summer institute has been very much encouraging . The annual work shops of DLA Farming Systems Research , All India Coordinated Wheat & Barley,

Pulses, Oil seeds, workshops are regularly attended by the research and teaching colleagues.

6. Extension activities of the Department :-

Department colleagues are regularly participating in *Kisan Gosti* organized by U.P. Govt. various fertilizers and seed agencies and agro-techniques developed on various crops are being carried to the farmers communities of this area. Radio-talks from All India Radio, Mathura & Agra on important crops and related problems of the farmers is a common feature of the department in this part of the country. Thus, feedback from the scientist farmers interactions is helpful in future planning need based and location specific strategies of research in the department. To make farmers and agronomist interaction more fruitful, department has established Scientific Forum of Agronomy as a registered society.

3. Evaluative Report of the Departments

DEPARTMENT OF AGRICULTURE CHEMISTRY & SOIL SCIENCES

1. Name of the Department : **AGRICULTURE
CHEMISTRY
& SOIL SCIENCES**
2. Year of Establishment : **UG : 1940
PG : 1962**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]
PG [M. Sc. (Ag.)]
Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester
PG - Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	02
Assistant Professors	06	02

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Vipin Kumar	M.Sc.(Ag.), Ph.D.	Associate Professor	Soil Science	27	6/15
Dr. Arun Pratap Singh	M.Sc.(Ag.), Ph.D.	Associate Professor	Soil Science	17	3/16
Dr. Manoj Pandey	M.Sc.(Ag.), Ph.D.	Asstt. Professor	Soil Science	07	-
Dr. Yogesh Singh	M.Sc.(Ag.), Ph.D.	Asstt. Professor	Soil Science	07	-

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **1. Dr. Bijendra Singh**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **15%**

13. Student -Teacher Ratio (programme wise) : **UG – 35 : 1**
PG – 05 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	02	02
Lab. Attendant	02	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 04**

16. Number of faculty with ongoing projects from : **01**
a) National, b) International funding agencies and grants received

- (i) **All India coordinated project through ICAR (Management of salt affected soil and use of saline water in agriculture farm).**

17. Departmental projects funded by DST - FIST; : **NIL**
UGC, DBT, ICSSR, etc. and total grants received
18. Research Centre /facility recognized by the : **Yes**
University **DSIR, New Delhi**
Dr. B. R. Amedkar
University,
Agra
9. Publications : **Refer ANNEXURE - 02**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Vipin Kumar	02	09
Dr. Arun Pratap Singh	---	---
Dr. Manoj Pandey	18	---
Dr. Yogesh Singh	04	---
Dr. S. K. Chauhan	48	---
Total	72	09

- * Number of papers published in peer reviewed journals (national / international) by faculty and students - **24**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**
- * Monographs - **NIL**
- * Chapter in Books - **03**
- * Books Edited - **08**
- * Books with ISBN/ISSN numbers with details of publishers - **08**
- * Citation Index - **NIL**
- * SNIP - **NIL**
- * SJR - **NIL**
- * Impact factor - **NIL**
- * h-index - **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : **02**

Dr. Vipin Kumar

- 1- **Journal of the Indian Society of Soil Science.**
- 2- **Life Member of Annals of Plant and Soil Research.**

- b) International Committees : **NIL**
c) Editorial Boards : **NIL**

22. **Student projects**

- a) Percentage of students who have done in-house projects including inter departmental/programme : **100% (RAWE)**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**

23. **Awards / Recognitions received by faculty and students :**

Dr. Manoj Pandey

- **Young scientist Award**
- **Out standing participant in refresher course by ICAR**

24. **List of eminent academicians and scientists/ visitors to the department : For Viva-voce**

25. **Seminars/ Conferences/Workshops organized & the source of funding**

- a) National - **01**

Dr. Vipin Kumar

- **Organized National Seminars “Successes and Sub Conscious Mind” in 2010 respectively sponsored by UGC**

- b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		166			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. (Ag.) Part - I	2016-17	291	12	11	01	
	2015-16		12			
	2014-15		12			
	2013-14		12			
	2012-13		12			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

8. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No**

Information

29. Student progression

Student progression	Against % enrolled
UG to PG	40-50%
PG to M.Phil.	---
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **YES**
d) Laboratories : **03**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops

/ seminar) with external experts.

- **Seminars and Workshops attended by faculty improve competency and update themselves for the benefit of students :**

1. Dr. Vipin Kumar

Conference attendend (Abroad)

1- Singapore for presenting a research paper entitled “Effect of industrial effluent on content of nutrient and heavy metals in plant and soil” in the Planetary Scientific Research Conferences, Singapore, December 14-15, 2012.

2- Tashkand Uzbekistan for presenting a research paper on “Water management” on June 2015.

2. Dr. Manoj Pandey

1.	Role of information technology in teacher empowerment	R.B.S College Agra	National
2.	Efficacy of bio fertilizer and nitrogen on oil content and quality of linseed	R.B.S College Agra	National
3.	Response of NPK and Zn on yield and protein content of onion in an alluvial soil	Janta College Bakewar Etawah	National
4.	Response of lemongrass under sodic environment	R.B.S College Agra	National
5.	Performance of Palmarosa under sodic environment	Indian academy of Sc. And Nature	National
6.	Response of FYM and phosphorus on growth and yield by oat crop under sodic irrigation water	B.V.R.I Bichpuri Agra	National
7.	Impact of weather extremes of foodgrains production in india	R.B.S College Agra	National
8.	Effect of moisture stress and nitrogen levels on yield and uptake of nutrients by mustard	R.V.S Krishi Vishwa Vidyalaya Gwalior	National
9.	Effect of sailine water on composton of wheat crop	SASRD Medziphema Campus Nagaland	National
10.	Effect of nitrogen and FYM levels on growth yield and uptake of nutrients in barley	B.V.R.I Bichpuri Agra	National
11.	Effect of INM on growth yield and nutrient uptake by rice crop under reclaimed soil	BHU Varanasi	Internatio nal

3. Dr. Yogesh Singh

- National Seminar on Teacher Empowerment & Educational Excellence vision 2020, 19th Dec. 2010, at R.B.S. College, Agra
- National Seminar on Conservation, Cultivation and Utilization of Medicinal Plants, 26-27 Feb., 2011 at R.B.S. College, Agra U.P.
- National seminar on 21vi sadi me Bharat: Dashaye evam Dishaya held on November 13-14, 2011. Organised by Kunwar Educational Society for Research and Development, Agra
- National Seminar on Globalization: Issues and challenges held on November 10-11, 2012. Organised by Kunwar Educational Society for Research and Development, Agra
- National seminar on Conservation, Cultivation and sustainable utilization of medicinal and herbal plants, 25-26 Feb., 2012 at R.B.S. College Agra U.P.
- National seminar on impact of population growth on agriculture and rural development. Deptt. Of rural economics and co-operation held on Feb, 09-10, 2013 at Balwant Vidyapeeth Rural Institute, Bichpuri, Agra.
- National seminar on Vegetetics of humanities, Social Sciences & Basic Sciences in the development of Indian society held on November 9-10, 2013 Organised by Kunwar Educational Society for Research and Development, Agra.
- International Educational Conference ICE-2013 held on January 20-21, 2013 on title "Reforms in Examination and Evaluation(2E) and its impact on Quality Education" Jointly organized by Faculty of Education, R.B.S. college, Agra and ISEE, Chennai.
- National seminar on status of land resources: challenges and solutions organized by Deptt. Of Rural Sociology and Community Development held on March 08, 2014 at Balwant Vidyapeeth Rural Institute Bichpuri, Agra.
- Workshop and training programme on Census of India-2011: Analysis, Application and Importance held on October 17, 2014. Organised by Deptt of Statistics, Agra College Ag
- National Education and Extension Congress NEEC-2014 ON Janury 20-21, 2014 puri on title Relevance of Holistic Approach in present Education. Jointly Organised by ISEE Chennai & GERA Bhopal at Deptt. Of Education, S.C.S.College, Puri.
- Indo-Spanish Workshop on Electrolyzed Water Technology: An Eco-innovative solution for agro, food and water industries held on July 14, 2016. Organised by Deptt. Of Chemical Engineering R.B.S. Engineering Technical campus, Bichpuri(Agra) India.
- **Courses attended by faculty to improve competency and update themselves for the benefit of students :**

Dr. Manoj Pandey

S.No.	Programme	Duration/ year	Organized by
1.	Orientation programme (UGC)	28 days	UGC, ASC, AMU, Aligarh
2.	Summer school	21 days	Nagaland university and ICAR
3.	Outstanding participant of Summer School	21 days	Nagaland university and ICAR

Dr. Yogesh Singh

1. 28 day Orientation Programme on July 13 to August 09, 2012 at U.G.C. Acedimic Staff College A.M.U.,Aligarh
2. 21 day Refressor Course on September, 06-26, 2013 at S.A.S.R.D. Nagaland University, Nagaland

Seminar/Symposia Papers

1. Chauhan, S. K, Singh, R. B, Shishodia, P. K. and Chauhan, R. S. 2012. Response of Marigold crop under saline water irrigation condition of western part of U.P. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Hurb Plants held at Deptt. Of Botany R.B.S.College,Agra, Feb.25-26, 2012.
2. Singh, Manoj. Pratap., Singh, A. P. and Chauhan, S. K. 2012. Effect of RSC on irrigation Water on growth and yield of lemmon grass. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Hurb Plants held a Deptt. Of Botany R.B.S. College, Agra, Feb.25-26, 2012.
3. Chauhan, S .K. Shishodia, P .K .and Singh, R .B. 2012. Chrysanthimum grown under saline water irrigation condition. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Hurb Plants held at Deptt. Of Botany R.B.S. College, Agra, Feb.25-26, 2012
4. Chauhan, S .K, Singh, R. B, Shishodia, P. K. and Chauhan, R. S .2012. Effect of saline water onfennal crop grown in semi-arid climate condition. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Hurb Plants held atDeptt. Of Botany R.B.S.College,Agra, Feb.25-26, 2012
5. Chauhan, S, K, Singh, R.B. and Shishodia, P. K. 2012. Tulsi crop grown under saline water rrigation condition of Agra region. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Hurb Plants held at Deptt. Of Botany R.B.S. College, Agra, Feb.25-26, 2012
6. Singh, S .B., Vishwanath and Chauhan, S .K. 2012. Isabgol (Plantago avata forsk) affected to verities and potash levels in sandy loam soils of Agra region. National Seminar on Conservation, Cultivation and Sustainable Utilization of

Medicinal and Hurb Plants held at Deptt. Of Botany R.B.S.College,Agra, Feb.25-26, 2012

7. Shiroti, S, K., Chauhan, S .K. and Sawarkar, S. M. 2012. Effect of sowing date and seed rate on production potential and economics of Ashwagandha in Agra region National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Hurb Plants held at Deptt. Of Botany R.B.S.College,Agra, Feb.25-26, 2012
8. Chauhan, S.K. and Chauhan, Seema. 2012. Medicinal and Aromatic plants grown under saline water irrigation condition in semi-arid condition. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Hurb Plants held at Deptt. Of Botany R.B.S. College, Agra, Feb.25-26, 2012
9. Singh, S.B.and Chauhan, S. K. 2012. Barley (*Hordeum vulgare* L.) crop as affected by nutrient management and varieties in semi arid conditions Seminar –Sustainable Agriculture and Food Security: Challenges in Changing Climate held at CCSHAU,Hissar.March 27-28,2012.pp 249
10. Singh, S.B.and Chauhan, S .K. 2012. Effect of different cropping system on net profit and benefit cost ratio in semi arid conditions National Seminar – Sustainable Agriculture and Food Security: Challenges in Changing Climate held at CCSHAU, Hissar. March 27-28, 2012.pp 235
11. Chauhan, S. K. and Singh, R. B. 2012. Production potential of cyclic irrigation and mixing of alkali and canal water in potato (*Solanum tuberosum*)-sunflower (*Helianthus annuus*) and Sesbania (*Sesbania sesban*).National seminar in water salinity in society of ISSSWA held at RRS, Lucknow, March 16-17 (2012).
12. Chauhan, S.K. 2013. Effect of saline water irrigation in marigold crop grown under semi-arid condition. National seminar on Climate Change and startles in 21th century. Held at Deptt. Of Botany. R.B.S.College. agra. March31 to April 1, 2013.
13. Chauhan, S. K. 2013. Response of Tulsi crop grown under saline water irrigation condition. National seminar on Climate Change and startles in 21th century. Held at Deptt. Of Botany. R.B.S. College. Agra. March31 to April 1,2013.
14. Chauhan, S.K. 2013. Effect of chrysanthemum crop grown under saline water irrigation condition. National seminar on Climate Change and startles in 21th century. Held at Deptt. Of Botany. R.B.S.College. agra. March31 to April 1,2013.
15. Chauhan, S.K. 2013. Fennel crop grown in different salinity levels irrigation water condition. National seminar on Climate Change and startles in 21th

century. Held at Deptt. Of Botany. R.B.S. College. Agra. March 31 to April 1, 2013.

16. Chauhan, S.K. 2013. Effect of saline water irrigation on Fennel- fenugreek crop rotation. National Seminar on "Value Added Functional Foods" Aspects and future challenges 23-24 Feb. held at Janta College ,Bakewar, Etawah (U P).
17. Chauhan, S.K. 2013. Effect of saline water on Tulasi-Isabgol crop rotation in crop yield and soil properties. National Seminar on "Value Added Functional Foods" Aspects and future challenges 23-24 Feb. held at Janta College, Bakewar ,Etawah (U P).
18. Chauhan, S.K. 2013. Guava yield and yield attributes as affected by furrow and drip irrigation system. National Seminar on "Value Added Functional Foods" Aspects and future challenges 23-24 Feb. held at Janta College, Bakewar, Etawah (U P).
19. Chauhan, S.K. 2013. Pomegranate as affected by saline water irrigation in surface and drip irrigation. National Seminar on "Value Added Functional Foods" Aspects and future challenges 23-24 Feb. held at Janta College, Bakewar Etawah (U P).
20. Chauhan, S.K, Chauhan R S and Sishodia P K 2013. Lavaniya avam charya jal ki sinchi karna per soyabean ki upaj per prabhab. Rastreya Sangosthi Kirshi avam Preyavaran: Absar and Cunotiya hald at CSSRI, Karnal, 13-14 March-2013.
21. Chauhan, S.K , Singh, R. B, Chauhan, R .S .and Sishodia, P.K. 2013. Lavaniya and chriya jal ki sinchi dubara gahun ki upaj per prabhab. Rastreya Sangosthi Kirshi avam Preyavaran: Absar and Cunotiya hald at CSSRI, Karnal, 13-14 March-2013.
22. Chauhan ,S.K, Singh, R. B, Chauhan, R.S .and Sishodia, P.K. 2013. Lavaniya jal se sinchi karnapergahun ki upaj per prabhab. Rastreya Sangosthi Kirshi avam Preyavaran: Absar and Cunotiya hald at CSSRI, Karnal, 13-14 March-2013.
23. Sishodia, P.K., Chauhan, R.S, Chauhan, S.K. and Singh, R.B. 2013. Tahseel beer gila Bharatpur main sinchi jak kaa servachan and gurbatta. Rastreya Sangosthi Kirshi avam Preyavaran: Absar and Cunotiya hald at CSSRI, Karnal, 13-14 March-2013.
24. Chauhan, R.S., Sishodia, P.K, Singh, R.B. and Chauhan, S.K. 2013. Etawah janpad kee vikas khand Mahewa main sinchi jal ka servachan avam gurvatta. Rastreya Sangosthi Kirshi avam Preyavaran: Absar and Cunotiya hald at CSSRI, Karnal, 13-14 March-2013.

25. Chauhan, S.K. 2013. Chrya jal ka aalu- surajmukhi-dhancha phasal chkra per samyak piryog. Rastreya Sangosthi Kirshi avam Preyavaran: Absar and Cunotiya hald at CSSRI, Karnal, 13-14 March-2013.
26. Singh, R.B, Chahan, S.K, Chauhan, R.S. and Sishodia, P.K .2013. Plastic low tannal main kharya jal se bund-bund sinchia dubara be moosam sabjia ki upaj. Rastreya Sangosthi Kirshi avam Preyavaran: Absar and Cunotiya hald at CSSRI, Karnal, 13-14 March-2013.
27. Chauhan, S.K. 2014. Assessment of treated sewage water on crop performance in sewage treated plant area of Dandhupura, Agra. National Seminar on Yamuna Water Pollution and its Control Measures: Present and Future Strategies, held at Deptt. of Botany, R.B.S. College, Agra, 30 to 31 March-2014.
28. Chauhan, S.K. 2014. Waste water production in India and its treatment and use in Agriculture. National Seminar on Yamuna Water Pollution and its Control Measures: Present and Future Strategies, held at Deptt. of Botany, R.B.S. College, Agra, 30 to 31 March-2014.
29. Chauhan, S.K. (2014). Impact of waste water on ground water quality in Agra canal site of Palwal Haryana). National Seminar on Yamuna Water Pollution and its Control Measures: Present and Future Strategies, held at Deptt. of Botany, R.B.S. College, Agra, 30 to 31 March-2014.
30. Chauhan, S.K .(2014). Transfer of metals from soil to vegetables and possible health risk assessment. National Seminar on Yamuna Water Pollution and its Control Measures: Present and Future Strategies, held at Deptt. of Botany, R.B.S. College, Agra, 30 to 31 March-2014.
31. Chauhan ,S.K. 2014. Health risk assessment of heavy metals of food stuffs from the waste water irrigated site of Dandhupura, Agra. National Seminar on Yamuna Water Pollution and its Control Measures: Present and Future Strategies, held at Deptt. of Botany, R.B.S. College, Agra, 30 to 31 March-2014.
32. Chauhan, S.K. 2014. Health risk assessment of heavy metals in seasonal vegetables from treated waste water from STP area of Agra. National Seminar on Yamuna Water Pollution and its Control Measures: Present and Future Strategies, held at Deptt. of Botany, R.B.S. College, Agra, 30 to 31 March-2014.
33. Chuhan,S.K., Singh R.B., Chauhan R.S. and Shishodia, P.K. 2014. Impact of Agra canal water on ground water quality and soil properties in District Palwal (Haryana). National Seminar on Innovative Saline Agriculture in Changing Environment, held at RVSKVV, Gwalior (M.P.) Dec.12-14, 2014.pp54
34. Singh, R.B., Ambast, S.K. and Chauhan, R.S. 2014. Low cost technology for dilution of saline groundwater aquifer through rain water recharge at farmers

- field. National Seminar on Innovative Saline Agriculture in Changing Environment, held at RVSKVV, Gwalior (M.P.) Dec.12-14, 2014.pp51
35. Shishodia, P.K., Chauhan, R.S., Singh R.B. and Chauhan S.K.2014. Evaluation of underground irrigation water of Etawah district (U.P.). National Seminar on Innovative Saline Agriculture in Changing Environment, held at RVSKVV, Gwalior (M.P.) Dec.12-14, 2014.pp55
36. Chauhan, S.K. and Singh, Parmindra. (2015). Effect of vermicompost and Thiourea in peamillet in simi arid region. National seminar on "New Frontiers in Organic Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. of Botany, R.B.S. College, Agra, 14 to 15 March-2015.pp-44.
37. Chauhan, S.K. and Singh Parmindra. (2015).Residual effect of vermicompost and thiourea on growth and yield attributes of mustard (*Brassica juncea* L.) in Agra region of Uttar Pradesh. National seminar on "New Frontiers in Organic Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. of Botany, R.B.S. College, Agra, 14 to 15 March-2015.pp-46
38. Chauhan, S.K. and Singh Parmindra. (2015). Vermicompost and thiourea residual effect on oil content and oil yield of mustard. National seminar on "New Frontiers in Organic Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. of Botany, R.B.S. College, Agra, 14 to 15 March-2015.pp-48
39. Chauhan ,S.K. and Kumar, Mahash (2015). Nitrogen fertilizer economy in wheat (*Triticum astivum* L.). National seminar on "New Frontiers in Organic Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. of Botany, R.B.S. College, Agra, 14 to 15 March-2015.pp-51
40. Shroti, S.K. and Chauahn, S.K.(2015). Integrated nutrient management in summer black gram (*Vigno mungo* L. Hepper). National seminar on "New Frontiers in Organic Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. Of Botany R.B.S. College, Agra, 14 to 15 March-2015.pp-50
41. Chauhan ,S.K. and Kumar, Mahash (2015).Use of Bio-fertilizer in wheat crop minimized the nitrogen fertilizer in semi-arid areas. National seminar on "New Frontiers in Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. of Botany R.B.S. College, Agra, 14 to 15 March- 2015.pp-53
42. Shroti, S.K. and Chauahn, S.K. (2015).Effect of FYM, PSB and phosphorus levels on yield and economics of black gram in semi-arid conditions. National seminar on "New Frontiers in Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. Of Botany R.B.S. College, Agra, 14 to 15 March-2015.pp-52

43. Shroti, S.K. and Chauhan, S.K.(2015).Impact of PSB, FYM and doses of phosphorus on RGR and CGR in black gram in semi-arid condition of Agra region. National seminar on "New Frontiers in Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. Of Botany R.B.S. College, Agra, 14 to 15 March-2015.pp-54
- 44.Chauhan, S.K. and Singh, S.B (2015). Effect of integrated nutrient management on barley (*Hordeum vulgare* L.) under semi-arid condition of western part of Uttar Pradesh National seminar on "New Frontiers in Farming for Sustainable development of Indian Agriculture-2015, held at Deptt. of Botany R.B.S. College, Agra, 14 to 15 March-2015.pp-52
- 45.Chauhan S K and Shroti S K (2015). Integrated nutrient management in summer black gram (*Vigna mungol. Hepper*) in semi-arid conditions. National Seminar on "Organic Ameliorants for soil Resilience and Environmental Securities' held at RVSKVV, Gwalior, 19-21 Aug-2015.
46. Chauhan S K and Singh Parmindra (2015). Effect of thiourea and vermicompost in pearl millet in semi-arid condition of Western Part of Uttar Pradesh. National Seminar on "Organic Ameliorants for soil Resilience and Environmental Securities" held at RVSKVV, Gwalior, 19-21 Aug-2015.
47. Chauhan S K and Shroti S K (2015). Impact of PSB, FYM and phosphorus levels on yield and economics of black gram in semi-arid condition of Agra region. National Seminar on "Organic Ameliorants for soil Resilience and Environmental Securities" held at RVSKVV, Gwalior, 19-21 Aug-2015.
48. Shroti, S.K. and Chauhan S.K. (2016).Integrated Nutrient Management in Sunflower crop (*Helianthus annus*). National Seminar on Waste Management and its control Measures, held at Deptt. Of Botany R.B.S. College, Agra, 27-28Februry, 2016.
49. Chauhan S.K.(2016). Effect of Agra canal (mixed with waste water) and underground water irrigation for different crops growing in Kosi area in Mathura District of Uttar Pradesh. National Seminar on Waste Management and its control Measures, held at Deptt. Of Botany R.B.S. College, Agra, 27-28Februry, 2016.
50. Chauhan ,S.K.(2016) Impact of Agra canal (mixed waste water) and underground water irrigation growing different crops in Palwal area of Haryana. National Seminar on Waste Management and its control Measures, held at Deptt. Of Botany R.B.S. College, Agra, 27-28Februry, 2016.
51. Chauhan,S.K. (2016) Assessment health risk of heavy metals of food stuffs from the waste water irrigated site of Dhandhupura (STP),Agra. Fourth National Symposium on Transforming Indian Agriculture towards Food and Nutrition Security. Held at ICAR-IGFRI, Jhansi (U.P.), 20-21 February,2016.

52. Chauhan, S.K. (2016) Risk assessment of health for heavy metals in seasonal vegetable growing from treated waste water from STP area of Agra. Fourth National Symposium on Transforming Indian Agriculture towards Food and Nutrition Security. Held at ICAR-IGFRI, Jhansi (U.P.), 20-21 February, 2016.
53. Chauhan, S.K. (2016) Impact of waste water or groundwater quality in Agra canal area site of Kosi, Mathura (Uttar Pradesh) Fourth National Symposium on Transforming Indian Agriculture Towards Food and Nutrition Security. Held at ICAR-IGFRI, Jhansi (U.P.), 20-21 February, 2016.
54. Chauhan, S.K. (2016) Assessment of treated sewage and underground water on crop performance sewage treated plant area of Dhandhupura, Agra (U.P.) Fourth National Symposium on Transforming Indian Agriculture Towards Food and Nutrition Security. Held at ICAR-IGFRI, Jhansi (U.P.), 20-21 February, 2016.
55. Chauhan, S.K. (2016). Agriculture Waste Management through Vermicomposting. National Seminar on Waste Management and its control Measures, held at Deptt. Of Botany R.B.S. College, Agra, 27-28 February,
56. Chauhan S K (2016). Use of Agra Canal (mixed waste water) and tube well water irrigation in different cereals and vegetable crops in Goverdhan area of Mathura District. National Seminar on Waste Management and its control Measures, held at Deptt. Of Botany R.B.S. College, Agra, 27-28 February, 2016.
33. Teaching methods adopted to improve student learning :
- **Class room study**
 - **Seminars**
 - **Visits of different projects**
 - **Study tours at different Agril. Universities & Research Centres**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Lecturer / Akashvani Programme / Farmers Meet

S. No.	Title of the Lecture/ Academic Session	Organised By	Level
1.	Preparation of Soil Samples	ACABC, Agra	National
2.	Analysis of Micro nutrients	ACABC, Agra	National
3.	Mirda ko upjau banana ke upay	Akashvani Agra 2013	National
4.	Vermi compost ke labh	Akashvani Agra 2014	National
5.	Mrida parikshan kyon aabhasak	Akashvani Agra 2014	National
6.	Jaivik urvarkon ka mahatva	Kshetriya gram vikas sansthan, Bichpuri Agra	State
7.	Mitti parikshan kab, kyon aur kaise	Kshetriya gram vikas sansthan, Bichpuri Agra	State
8.	Soochham posak tatbon ka faslo par prabhav	Kshetriya gram vikas sansthan, Bichpuri Agra	State

ANNEXURE – 01**List of Ph. D. Scholars****1. Dr. Vipin Kumar**

1. Pradeep Kumar	2010	“Integrated Nutrient management in wheat pearl millet cropping sequence”
2. Versh Pateriya	2010	“Ground water quality appraisal an its effect on soil properties and performance of crops”
3. Sandeep Jain	2014	Direct and residual effect of iron and zinc on soil fertility and productivity of pearl mellet wheal crop sequence.
4. Raj Kumar	2014	Effect of potassium, zinc and fym on yield and uptake of nutrient in wheat.
5. Pramod Kumar Gautam	2016	Manganaese nutrition of some Rabi cereals in Alluvial soi.
6. Anand Pathak	2016	Direct and residual effect of zinc with and without fym in pearl-mellet-wheat crop and system.

2. Dr. Arun Pratap Singh

S.No.	Name of Researcher	Name of Topic
1.	Mr. Arvind Kumar	Integrated Nutrient Management in Wheat (Triticumaestivum)
2.	Mr. Har Mohan Singh Yadav	Effect of Integrated Nutrient Management on fodder yield, quality and nutrients uptake by oat crop
3.	Mr. Mukesh Kumar Upmanyu	Response of Potato varieties to Zinc and NAA application
4.	Mr. Ranjeet Singh	Effect of Phosphorus, sulphur and Bio-fertilization on yield, quality and nutrient uptake by cowpea (Vignaungiculata L)

ANNEXURE – 02**Detail of Publications****1. Dr. Vipin Kumar: Books Published**

1	प्राकृतिक जल: स्रोत, प्रदूषण एवं संरक्षण	डॉ. वर्षा पटेरिया, डॉ. विपिन अग्रवाल
2	भारत में कृषि का स्वरूप	डॉ. राम प्रसाद भारती, डॉ. विपिन कुमार अग्रवाल
3	जल मण्डल	डॉ. राम प्रसाद भारती, डॉ. विपिन कुमार अग्रवाल
4	मृदा विज्ञान	डॉ. राम प्रसाद भारती, डॉ. विपिन कुमार अग्रवाल
5	पर्यावरण प्रदूषण	डॉ. राम प्रसाद भारती, डॉ. विपिन कुमार अग्रवाल
6	Impact Of Environment On Forestry	Dr. Ram Prasad Bharati Dr. Vipin Kumar Agarwal,
7	Biodiversity and forest Conservation	Dr. Ram Prasad Bharati Dr. Vipin Kumar Agarwal,
8	Soil Fertility and Fertilizers	Dr. Vipin Agarwal. Dr. Varsha Pateria
9	Concept Of Soil Science	Dr. Vipin Kumar Agarwal

Research Papers Published

- 1- Nagar Nidhi and **Kumar Vipin** (2012) effect of wrganic matter and phosphorus on the performence of qat irrigated with industrial effluent Ann. P.I. soil Res 14(1): 46-49.
- 2- Nagar Nidhi and **Kumar Vipin** (2012) effect of organic matter and phosphorus on content of metrient and heavy metal's in qat plants and irrigated with industrial effluent. Ann. PI. soil Res. 14(1): 75-78.

2. Dr. Manoj Pandey

Sr. No.	Title with Page no	Book Title, colour & publisher	Year	ISSN / ISBN
1.	Effect of foliar spray of plant growth hormon and urea on fruit yield and quality of aonla pp 48 – 52	Agril. Prod. & Reso. Use, blue/ Grey, S.S. pub.	2011	978-81-89812-44-7
2.	Effect of saline water on growth and yield of wheat pp-169-173	As Above	2011	As Above
3	Samanbit poshak prabandh dwara Soybean-Ganhoo pradali ki udapadakta ko badana. page 66-75.	Santulit Paudh Poshad avm mirda swashthy, Bhartiy Mirda Vigyan Shansthan, Bhopal (MP)	2010	
4	Chana aur Masoor main	Kheti , New	2010	0023-1088

	samanbit poshak prabandh. June25-28	Delhi,		
5.	Jal bharao bali bhumi main BBF aur INM Soybean ke liye ek bardan. July,35-37	Khad Patrika,	2010	0023-1010
Sr. No.	Title with Page No	Journal	Year	ISSN/ISBN No.
1.	Effect of sources and levels of sulphur on sulphur uptake, yield and quality of linseed. Ann. Vol.33 :1-5	Agric.Res.Ne w Series	2012	0970-3179
2.	Farmer involvement in the development and adoption of improved nutrient management technology using the mother- baby trial approach in vertisols.	Proc.Natl.Ac ad.Sci. India Sect. B Biol Sci.	2013	0369-8211
3.	Relative response of kharif crops to phosphorus in alluvial soils. 29-31	Annals of Plant and Soil	2012	0972 -1559
4.	Effect of FYM and sodic irrigation water on oat crop.100-105	Agric.Res.Ne w Series	2011	0970-3179
5.	effect of integrated nutrient management in guava on soil properties.pp175 –176	Annals of Plant and Soil Research	2013	0972 -1559
6.	Effect of different weedicides on yield attributing characters and micro-organisms in soybean crops. 50-52	The J. of Rural and Agri Research	2012	0972- 4370
7.	Response of nitrogen and phosphorus on the growth and root yield of radish pp 157- 159	The Ind Res J. of Genetics and Biotech	2011	2249 – 7498
8.	Effect of INM on yield, quality and nutrient uptake by rice. 95-97	Annals of Plant and Soil	2010	0972 -1559
9.	Effect of conjunctive use of organic sources with phosphorus fertilizer on chemical composition of wheat crop. 11-13	The Journal of Rural and Agricultural Research	2010	0972- 4370
10.	Realising production potential wheat in cold arid Kargil region of J&K. 45-48	Indian Res.J.Ext. Edu.	2011	0972-2181
11.	Front line demonstration trial of barley cv. Narboo	Indian Res.J.Ext.	2012	0972-2181

	on farmers field in cold arid Kargil region of J&K. 55-58	Edu.		
12.	Effect of sulphur and zinc on yield, quality and uptake of nutrients in barley .pp74-78	Annals of Plant and Soil Research	2016	0972 -1559
13.	Response of wheat to sulphur and zinc nutrition in alluvial soil. Annals of Plant and Soil Research. Pp 418-422	Annals of Plant and Soil Research	2016	0972 -1559
14.	Effect of Nickil and zinc on yield and their uptake in wheat pp 425-426	Annals of Plant and Soil Research	2015	0972 -1559
15.	Effect of iron and sulphur Mustard crop. 21 (2): 969-9	Ecology, Environment and Conservation.	2015	0971-0765X
16.	Growth dynamics, yield and nutrient uptake of fodder guar in relation to FYM and zinc fertilization. 21 (1):151-154.	Ecology, Environment and Conservation.	2015	0971-0765X
17.	Status and Response of Sulphur in Alluvial Soils for Higher Yield of Potato. 63 (1): 107-111	Journal of the Indian Society of Soil Science	2015	0974-0228
18.	Nutrient mass balances and leaching losses from a farmyard manure pit in Madhya Pradesh. Vol. 63(1) pp 64-68.	Journal of the Indian Society of Soil Science	2015	0974-0228

Full Paper in Conference Proceedings

Sr No	Title with Page no	Details of conference Particulars
1.	Leaching losses of nutrients from farmyard manure pits in Central India Page-202-205	19 th World Congress of Soil Science, Soil Solutions for a changing world 1-6 August 2010 Brisbane, Australia
2.	Development of farmers participatory integrated nutrients management technology using the Mother-Baby Trial approach. Page 87-90	19 th World Congress of Soil Science, Soil Solutions for a changing world 1-6 August 2010 Brisbane, Australia
3.	Performance of radish (Raphanus sativus L.) C.V. Pusa Chetki under various biofertilizers and different levels of NPK. PP 146-149.	Proceeding of National Agriculture Alumni Meet and National Seminar on Agriculture Development. ISBN 978-18-932002-9-2

Articles/Chapters published on Books/Magazines

S.No	Title with Page no	Book Title, colour & publisher	Year	ISSN / ISBN
1.	Effect of foliar spray of plant growth hormon and urea on fruit yield and quality of aonla pp 48 – 52	Agril. Prod. & Reso. Use, blue/ Grey, S.S. pub.	2011	978-81-89812-44-7
2.	Effect of saline water on growth and yield of wheat pp-169-173	As Above	2011	As Above
3	Samanbit poshak prabandh dwara Soybean-Ganhoo pradali ki udapadakta ko badana. page 66-75.	Santulit Paudh Poshad avm mirda swashthy, Bhartiya Mirda Vigyan Shansthan, Bhopal (MP)	2010	
4	Chana aur Masoor main samanbit poshak prabandh. June25-28	Kheti , New Delhi,	2010	0023-1088
5.	Jal bharao bali bhumi main BBF aur INM Soybean ke liye ek bardan. July,35-37	Khad Patrika ,	2010	0023-1010

2. Dr. Yogesh Singh**Research papers**

- **Yogesh Singh** (2014) Effect of nitrogen and FYM on yield, quality and post-harvest soil property in Barley (*Hordium vulgare* L.) Science Phenomenon 1(1):80-82.
- **Yogesh Singh**(2015).Nutrient content and uptake by Barley (*Hordium vulgare* L.) crop as influenced by nitrogen and organic manure.*Journal of Scientific & Technological Research*,5(2)12-13
- **Yogesh Singh** (2015).Effect of different levels of nitrogen and farm yard manure on yield,chemical composition of Barley (*Hordium vulgare* L.) and post harvest property of soil in alluvial soil of Agra. Proceeding of National Agriculture Alumni Meet and National seminar on Agriculture Development 2015.pp-159-164.
- Singh B and **Yogesh Singh** (2015).Designer crop for future needs. Proceeding of National Agriculture Alumni Meet and National seminar on Agriculture Development 2015.pp-88-92.

Publications by Scientists of Soil Salinity Project, Bichpuri

1. Chauhan S.K and Bhudyal (2011). Use of canal and alkali water on potato-sunflower -sesbania (gm) crop rotation in blending and yearly mode.

- National Seminar on Agriculture engineering. The way to improve rural economy to be head at IGKV, Raipur (Chh). January 3-4, 2011
2. Chauhan S.K (2011). Chakori grown under saline water irrigation condition. National Seminar "Sustainable Management of water Resources" held at BHU, Varanasi, January 14-15, 2011.
 3. Chauhan S.K (2011). Effect of phosphorus, potassium and sulphur levels on linseed crop grown under semi-arid condition. National Seminar "Sustainable Management of water Resources" held at BHU, Varanasi, January 14-15, 2011.
 4. Chauhan S.K., Chhonker D.S. and Shrotri S.K. (2011). Studies on the effect of nitrogen and sulphur management on Isabgol (Plantago Ovata E) National Seminar on Convention, cultivation and utilization of medicinal plants, held at Deptt. Of Botany R.B.S. College Agra, February, 26-27, 2011.
 5. Chauhan S.K (2011). Seeding technique under saline water irrigation for cotton crop. National Seminar on "Improving water productivity: Limits and Opportunities" held at RVSKVV, Gwalior (MP) Feb.25-26, 2011.
 6. Chauhan S.K (2011). Recharge ground saline water and its recycle use for better crop production. National Seminar on "Improving water productivity: Limits and Opportunities" held at RVSKVV, Gwalior (MP) Feb.25-26, 2011.
 7. Singh, R.B. (2011). Comparison of drip and surface methods of irrigation for capsicum-okra crop rotation in saline water. National Seminar on Management of Salt Affected Soils and Waters: Challenges of the 21st Century. CSSRI Regional Research Station, Lucknow. March 16-17, 2012.
 8. Bhu Dayal; R.B. Singh, S.K. Chauhan, R.S. Chauhan, P.K. Shishodia and R.L. Meena (2011). Lavneey avm chhariya jal dwara fasal Utpadan ke safal Pradershan. Krishi Kiran, July 2011, pp 86-89.
 9. Chauhan, S. K. and Singh R.B. 2012. Effect of alkali water irrigation on the production potential of potato, sunflower and sesbania. Journal of Soil Salinity and Water Quality Vol (4):39-45.
 10. Sinha, B. L. and Chauhan, S. K. 2012. Impact of tillage and nutrient management practices on soil moisture conservation and yield of pearl millet under dry land condition. Journal of Soil and Water Conservation. Vol (11), No 1 pp24-30.
 11. Yadav, A .K, Chauhan, S .K. and Shrotri, S. K. 2012. Effect of date of sowing and levels of nitrogen on yield, yield attributes and economics of vegetable pea-wheat-maize cropping system in central part of Uttar Pradesh. Annals of Plant and Soil Research. 14(2) 159-162.
 12. Singh, S .B., Chauhan, S., K. Pundhir, Rahul, Singh, B. R. and Singh, S.K. 2012. Effect of integrated nutrients (NPK) management on wheat (Triticum

- aestivumL.) on yield and economics in pearl millet-wheat cropping system in semi-arid areas. The Journal of Rural and Agricultural Research Vol. (12) No2:108-110
13. Chauhan, S. K. and Chauhan, R. S. 2012.Effect of alkali/saline water irrigation on Soya bean-wheat rotation. Bhartiya Kirashi Anushandhan Patrika 27(4) 188-191.
 14. Chauhan, S. K. and Yadav, A.K. 2012. Effect of sowing date and nitrogen levels on maize-vegetable pea –wheat crop rotation in net profit and benefit cost ratio. Bhartiya Kirshi Anushandhan Patrika 27(4):192-196.
 15. Satyavan,Shroti, S. K .and Chauhan, S.K. 2012.Effect of mechano-chemical weed control method on productivity of wheat (*Triticum aestivum* L.) under irrigated condition in North West Plain Zone The Journal of Rural and Agricultural Research Vol 12 No2:32-34.
 16. Chauhan, S.K, Parmindra, Kumar, Singh. SK,Goyal .V. and Singh,I.P. 2012. Residual effect of vermicompost and thiourea on growth and yield attributes of mustard (*Brassica juncea*) in semi-arid region of Agra. Annals of Agricultural Research. New Series .33: 143-149.
 17. Singh,Y.V., Meena, R.A and Singh, R.B. 2012. Effect of integrated nutrient management in soil physical properties and organic carbon status at the top soil horizon of alicceptisols of eastern Uttar Pradesh after 25 years of continuous cropping. Journal Rural and Agricultural Research. 12(2):78-82.
 18. Chauhan, S. K. 2013.Effect of growth of plant and fruit production by drip and surface irrigation method on pomegranate for saline water in semi arid climate. Bhartiya Kirshi Anushandhan Patrika 28(1):33-36.
 19. Chauhan, S. K. 2013. Effect of salinity levels, water regimes and nitrogen on crop growth and Yield of Aloe. Annals of Plant and Soil Research 15(1):58-61.
 20. Chauhan, S. K. 2013. Pomegranate grown in drip and furrow irrigation system in saline water condition of semi-arid areas. TECHNOFAME-A Journal of Multidisciplinary Advance Research. Vol 2(1):124-126.
 21. Chauhan, R.P.S , Yadav, B.S .and Singh, R.B. 2013 . Irrigation water and fertigation management in brinjal crops with drip irrigation. J Rural and Agric.Res. 13(1) 53-56.
 22. Rakesh Kumar, Shroti, S.K and Chauhan S.K.2013 Standardization of row spacing for malt Barley under timely and late sown condition. Annals of Plant and Soil Research 15(2) 169-170.
 23. Sisodia RS, Ial, Munna, Vardhan D Ashok, Singh RB, Mandal A, Manna MC, Singh VK and Brajendra 2013. Effect of manure and chemical amelioration on crop yield and soil biological activities in saline soils of

- semi-arid Indo-Gangetic alluvium(Typic ustrochrepts) type in India. Indian Journal of Agricultural Science 83(10): 1037-7
24. Singh Parmindra, Chauhan, S. K., Singh, S. K. and Goyal, V.2013 Effect of sprinkler irrigation system on over all growth and yield of mustard against the surface method of irrigation. Annals of Agricultural Research. New Series. 34(4):349-352.
 25. Chauhan, S .K. ,Singh, S. K. and Goyal, V. 2014. Effect of nitrogen, phosphorus and zinc on yield, quality and nutrient uptake of wheat. Annals of Agricultural Research. New Series. 35(1):21-25
 26. Chauhan, S.K, and Singh, S.K. 2014. Effect of sowing methods and salinity levels on cotton (*Gossypium hirsutum*) grown in semi-arid condition. Annals of Agricultural Research. New Series. 345(1):75-78.
 27. Chauhan, S.K .and Ambast, S.K. 2014. Effect of salinity levels and spacing on growth and flowering behavior of marigold. Annals of Plant and Soil Research.Vol 16(2):125-127.
 28. Singh S B and Chauhan SK, 2014. Impact of organic manures on yield of potato (*Solanum tuberosum* L) in semi arid condition of Western U.P.The Journal of Rural and Agricultural Research. Vol.14(1) 44-45
 29. Chauhan,S.K, Singh, R.B, Meena,R.L. and Ambast, SK. 2014. Effect of annual/blende alkali/canal Water irrigation on sesbania (Green manure)- Potato-Sunflower crop rotation in semi-arid regions. Bhartiya Kirshi Anushandhan Patrika 29(2):73-77.
 30. Chauhan, S.K .and Ambast, S.K. 2014. Effect of irrigation with alkali water on yield and storage of potato. Bhartiya Kirshi Anushandhan Patrika 29(3): 126-129
 31. Chauhan ,S.K. and Ambast, S.K. 2014. Effect of alkali irrigation water on yield and oil production of sunflower in semi-arid areas. Bhartiya Kirshi Anushandhan Patrika 29(3): 119-122
 32. Kumar Aditiyandra, Chauhan, S. K., Singh, S. K. and Kumari, Ritu. 2014. Intercropping studies in Indian mustard (*Brassica juncea*) in the western parts of Uttar Pradesh. Annals Agric.Res.New Series Vol.35 (2) 205-208
 33. Singh S B and Chauhan S K 2014. Productivity and economics of pearl millet as influenced by integrated nutrient management.Annls of Plant and Soil Research. 16(4) 356-358.
 34. Chauhan ,S.K. and Ambast, S.K .2014. Effect of conjunctive use of alkali/canal water on sunflower crop in semi-arid areas. TECHNOFAME- A journal of Multidisciplinary Advance Research. Vol3(2):78-83.

35. Chauhan, R.P.S., Yadav, B.S. and Singh, R.B. (2014). Studies on drip irrigation, fertigation and spacing in Bt cotton. *The Journal of Rural and Agricultural Research*. Vol.14(2):27-29.
36. Chauhan, R.P.S., Yadav, B.S. and Singh, R.B. (2015). Studies on crop yield responses to deficit irrigation and levels of nitrogen in wheat. *The Journal of Rural and Agricultural Research*. Vol.15(1):15-18.
37. Chauhan, S.K.(2015).Effect of saline water irrigation on soil and performance of onion crop in semi-arid condition. *TECHNOFAME-A journal of Multidisciplinary Advance Research*. Vol . 4(1):60-63.
38. Chauhan, S.K.(2015).Effect of best quality water and alkali water on potato growing in semi-arid areas of Agra region of Uttar Pradesh. *TECHNOFAME- A journal of Multidisciplinary Advance Research*. Vol 4(1):84-87
39. Chauhan,S.K.(2015).Effect of alkali water /canal water on yield and yield attributes of potato in semi-arid region of Uttar Pradesh. *Annals of Plant and Soil Res*. 17(2).204-207.
40. Sinha, B.L., Chauhan S.K., Nikhade,J.S and Padhae,D (2015). Impact of in-situ moisture conservation practices and nitrogen on yield and energy use pattern of pearl millet under dry land condition. *Green Farming* 6(2):315-318.
41. Chauhan SK and Singh Parmindra (2015) Effect of sprinkler irrigation system over surface method of irrigation on growth and yield attributes of cluster bean. *TECHNOFAME - A journal of multidisciplinary advance research*. Vol. (4) 12-15.
42. Chauhan, SK (2015)) Effect of saline water irrigation on different mustard genotype *TECHNOFAME- A journal of multidisciplinary advance research*. Vol (4) 99-100.
43. Shroti, S.K. and Chauhan, S.K.(2015) Performance of wheat genotype at different dates of sowing under irrigated conditions. *Ann. Agric. Res. New Series*. Vol.36(3):1-4.
44. Chauhan, S.K.(2016).Effect of spacing and salinity of irrigation water on growth and flower yield of marigold in semi-arid condition. *Ann. Agric. Res. New Series* Vol. 37 (4) 1-4.
45. Chauhan, S.K. (2016). Effect of saline water irrigation in fennel (*foeniculum vulgare mell.*) growing in semi-arid condition. Under publication *TECHNOFAME-A journal of Multidisciplinary Advance Research*. December issue.
46. Chauhan S.K.(2016). Effect of alkali and canal waters in cyclic and blended mode on potato (*Solanum tuberosum L.*)- Sunflower (*Helianthus*

annuus L.)- Sesbania (Sesbania sesban) cropping sequence. Accepted for publication Indian Journal of Agronomy, IARI, New Delhi.

47. Singh S B and Chauhan S K (2016).Effect of integrated nutrient management in pearl millet crop grown in semi-arid condition. Under publication TECHNOFAME-A journal of Multidisciplinary Advance Research. December issue.
48. Singh S B and Chauhan S K (2016).Effect of Integrated Nutrient Management on barley (Hordeum vulgare L.) under semi-arid conditions of Western Uttar Pradesh. TECHNOFAME-A Journal of Multidisciplinary Advance Research Vol. 5 (1): 20-23.

Popular Articles

1. चौहान एस.के. (2011) कृषि में जैविक उर्वरकों का महत्व, कृषि ज्ञान गंगा कृषि विज्ञान केन्द्र अवागढ़, एटा (उ०प्र०) अंक अप्रैल-जून पेज-21-23.
2. चौहान एस.के. (2011) लोविया की उन्नति खेती एवं बीज उत्पादन तकनीकी कृषि ज्ञान गंगा, कृषि विज्ञान केन्द्र, अवागढ़, एटा(उ०प्र०) अंक जुलाई-सितम्बर पेज 13-14.
3. चौहान एस.के. (2011) मृदा उर्वरता कम होने तथा उसे संतुलित रखने के उपाय कृषि ज्ञान गंगा, कृषि विज्ञान केन्द्र, अवागढ़, एटा(उ०प्र०) अंक जुलाई-सितम्बर पेज 20-21.
1. Bhudual,.Chauhan, R.S and Shishodia, P.K. 2012. Lavana jal sinchit bhumi main sarson kee sfal khati. Kirshi Kiran CSSRI, Karnal, pp 34-35
2. Chauhan, S,K, Singh, R,B, and, Meena, R,L,2012. Lavan Prabhit chattro main hari khad hatu dhancha ugain avam fhasalo kee padabar badhain. Kirshi Kiran CSSRI, Karnal, pp17-19
3. Chauhan, S.K, Singh, R.B. and. Meena, R.L.2012. Lavana chhatron main mad per bubai Karin aur adhik padavar lain. Kirshi Kiran CSSRI,Karnal, pp 48-52.
4. Chauhan, S.K. 2012. Gawar danae ke bibin upyog. Kirshi Gayan Ganga. 26(3)7-9
5. Chauhan, S.K. 2012. Sushuk khati bale chtro main mirda urvarta prabhandhan kasia karain.Kirshi Gayan Ganga. 26(3) 20-21
6. Chauhan ,S.K. 2012. I.P.M. samnbit jeev nashi prabhandhan aak prakritic aadharit bidhi. Kirshi Gayan Ganga. 26(3) 25-26
7. Chauhan, S.K. 2012. Phal/ sabajee kee podha utapadan kee adhunic takniki low tanal. Kirshi Gayan Ganga. 26(3) 27-28
8. Chauhan, S.K. 2013. Garimi kee jutai ka kharif kee phasaloo main mahatya. Kirshi Gayan Ganga. 27(2) 8-9

9. Chauhan, S.K.2013. Sichi main lavania/chariya jal kee samasya avam usalka samadhan. Kirshi Gayan Ganga. 27(3) 17-18
10. Chauhan, S.K. 2013. Hari khad avam harye chara kai liia shubabul ugain. Kirshi Gayan Ganga. 27(3) 21-22
11. Chauhan, S.K .2013. Barsha kam hone per sichi kee bivathta. Kirshi Gayan Ganga. 27(3) 23-24
12. Chauhan, S.K. 2014. Mitti kee upajau shakti badha ne ka aka ashan avam Shasta trika. Kirshi Gayan Ganga. 28(2) 20-21
13. Chauhan, S.K.2014. Kharia pani kai chtro main sarpghandha kee khati karain. Kirshi Gayan Ganga. 28(2) 28-29
14. Chauhan, S.K.2014. Guwar danee kai bibhin upyog. Kirshi Gayan Ganga. 28(3) 13-15
15. Chauhan, S.K.2014. Shushuk khati bale chtaro main mirda urvayta. Kirshi Gayan Ganga. 28(3) 19-20

Book Chapters/Souvenir edited

1. Bhu Dayal; R.B. Singh, S.K. Chauhan, R.S. Chauhan, P.K. Shishodia and S.K. Gupta (2011) Crop production with saline/Alkali water for enhanced productivity in arid and semi arid regions. Management of salt affected soils and use of saline water in agriculture, R.B.S. College, Bichpuri, Agra(U.P.).
2. Chauhan, S.K .and Chauhan, Seema. 2012. Medicinal and Aromatic plants grown under saline water Irrigation condition in semi-arid areas.Chapter-4 (pp34-49). Cultivation and Sustainable Utilization of Medicinal and Herbal Plants. Book edited by Dr. K.P.Singh, R.B.S. College, Agra.
3. Singh, A.K, Singh, K.P and Chauhan, S.K. 2012. Souvenior compiled and edited Dr. K.P. Singh, R.B.S. College, Agra. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbs Plants held at Deptt. Of Botany R.B.S. College, Agra, Feb.25-26, 2012
4. Singh, R.B. 2013. Management of saline/alkaline water for productive use in crop production. Participatory approaches to enhance farm productivity of salt affected soils. Edited by: Y.P. Singh, V.K.Mishra, D.K. Sharma and A.K. Singh. CSSRI, Regional Research Station, Lucknow.
5. Singh A.K, Singh, K.P and Chauhan, S.K. 2014.Souvenior compiled and edited. National Seminar on Yamuna water pollution and its control measures: Present and future strategies, held at March 30-31,2014, Deptt. Of Botany ,R B.S. College,Agra.
6. Chauhan, R.S., Shishodia, P.K., Singh, R.B., Chauhan, S.K., Meena, R.L., Ambast, S.K. and Sharma, D.K. (2015). Assessment of underground irrigation

water quality of Etawah district of Uttar Pradesh. Published by Soil Chemist AICRP on Management of Salt Affected Soils and Use of Saline Water in Agriculture, Raja Balwant Singh College, Bichpuri, Agra (U.P.).

7. S.K. Chauhan, R.S. Chauhan, P.K. Shishodhia and R.B. Singh (2015). Remedy for Brackish water – Conjunctive use of alkali/canal waters in semi-arid condition. Published by Soil Chemist AICRP on Management of Salt Affected Soils and Use of Saline Water in Agriculture, Raja Balwant Singh College, Bichpuri, Agra (U.P.).

3. Evaluative Report of the Departments

DEPARTMENT OF AGRICULTURE STATISTICS & MATHEMATICS

1. Name of the Department : **AGRI. STATISTICS & MATHEMATICS**
2. Year of Establishment : **UG : 1940**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]**
4. Names of Interdisciplinary courses and the departments/units involved : **All Agricultural Departments**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors*	---	01
Assistant Professors	03	---

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. U. N. Singh	M. Sc., Ph.D.	Associate Professor	Statistical Model	33	---

11. List of senior visiting faculty : **Dr. T. R. Chauhan**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty :
13. Student -Teacher Ratio (programme wise) : **35 : 1**
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | --- | --- |
| Lab. Attendant | 01 | --- |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **No**
19. Publications : **Refer Annexure - 01**
- * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students : **NIL**
 - * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Monographs : **NIL**
 - * Chapter in Books : **01**

-
- | | | |
|---|---|--------------|
| * | Books Edited | : NIL |
| * | Books with ISBN/ISSN numbers with details of publishers | : 06 |
| * | Citation Index | : NIL |
| * | SNIP | : NIL |
| * | SJR | : NIL |
| * | Impact factor | : NIL |
| * | h-index | : NIL |
20. Areas of consultancy and income generated **: NIL**
21. Faculty as members in
- | | |
|-----------------------------|--------------|
| a) National committees | : NIL |
| b) International Committees | : NIL |
| c) Editorial Boards | : NIL |
22. Student projects
- | | |
|---|--------------|
| a) Percentage of students who have done in-house projects including inter departmental/programme | : NIL |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | : NIL |
23. Awards / Recognitions received by faculty and students **: NIL**
24. List of eminent academicians and scientists/ visitors to the department **: NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding
- | | |
|------------------|--------------|
| a) National | - NIL |
| b) International | - NIL |

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		166			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No Information**

29. Student progression

Student progression	Against % enrolled
UG to PG	NIL
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- | | |
|---|-----------------------------------|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : NO |
| c) Class rooms with ICT facility | : NIL |
| d) Laboratories | : 01 |
31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.
- **Departmental Seminars**
 - **Special Lectures on regular basis**
33. Teaching methods adopted to improve student learning :
- **Black-board**
 - **Overhead Projector**
 - **LCD**
 - **Personal interaction**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
35. SWOC analysis of the department and Future plans
- STRENGTHS :**
- | | |
|----|---|
| a) | We have experienced and competent faculty. |
| b) | Faculty members are dedicated to their job. |
- WEAKNESSES :**
- | | |
|----|---|
| a) | Quality of students is poor. Students are less exposed. |
| b) | Students do not have good communication skills. They are poor in english communication. |
- OPPORTUNITIES :**
- | | |
|----|--|
| a) | Scope to grow in the action research to meet out the agricultural needs of industry. |
|----|--|
- CHALLENGES :**
- | | |
|----|---|
| a) | Growing competition – Private institutions are growing in Agra. |
| b) | Declining percentage of quality of students. |

ANNEXURE – 01

Detail of Publications

1. Books Published by Dr. U. N. Singh

- “प्रारम्भिक सांख्यिकी एवं व्यवहारिक गणित” published by Shri Krishna Publication, Agra
ISBN : 978-81-910820-7-4
- “Elementary Statistics and Applied Mathematics” published by Shri Krishna Publications, Agra
- “व्यवसायिक सांख्यिकी” published by Ram Prasad Publication, Agra
ISBN : 978-93-83385-89-8
- “Business Statistics” published by Ram Prasad Publication, Agra
ISBN : 978-93-85644-17-7
- “सांख्यिकी विधियां” published by Ram Prasad & Sons, Bhopal
- Statistical Methods published by Ram Prasad & Sons, Bhopal

3. Evaluative Report of the Departments

DEPARTMENT OF ANIMAL HUSBANDARY & DAIRYING

1. Name of the Department : **ANIMAL HUSBANDARY AND DAIRYING**
2. Year of Establishment : **UG : 1940**
: **PG : 1949**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]**
: **PG [M. Sc. (Ag.)]**
: **Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
: **PG - Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	05
Assistant Professors	09	03

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. K. P. Singh	M. Sc. (Ag.), Ph.D.	Associate Professor	Dairy Science	30	4/9
Dr. Gautam Dutt	M. Sc. (Ag.), Ph.D.	Associate Professor	Animal Science	30	3/9
Dr. Pawan Kumar Singh	M. Sc. (Ag.), Ph.D.	Associate Professor	Animal Science	19	3/6
Dr. Rajeev Kumar	M. Sc. (Ag.), Ph.D.	Associate Professor	Dairy Science	17	1/3
Dr. Laxman Singh	M. Sc. (Ag.), Ph.D.	Associate Professor	Animal Science	17	1/2
Dr. Bhimsen	M. Sc. (Ag.), Ph.D., NET	Assistant Professor	Animal Science	15	1/1
Dr. Virendra Pratap Singh	M. Sc. (Ag.), Ph.D.	Assistant Professor	Dairy Science	15	---
Dr. Madan Lal Bhaskar	M. Sc. (Ag.), Ph.D.	Assistant Professor	Dairy Science	06	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **1. Dr. Prakash Chandra**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 11%**
13. Student -Teacher Ratio (programme wise) :
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	02	---
Lab. Attendant	04	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 08 NET - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **01 by UGC**
18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
Agra
19. Publications : **Refer ANNEXURE - 02**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. K. P. Singh	---	---
Dr. P. K. Singh	10	01
Dr. Bhimsen	05	---
Dr. V. P. Singh	03	---
Dr. M. L. Bhaskar	08	---
Total	26	01

- * Number of papers published in peer reviewed journals (national / international) by faculty and students - **26**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**
- * Monographs - **NIL**
- * Chapter in Books - **03**
- * Books Edited - **NIL**
- * Books with ISBN/ISSN numbers with details of publishers - **01**
- * Citation Index - **NIL**
- * SNIP - **NIL**
- * SJR - **NIL**
- * Impact factor - **NIL**
- * h-index - **NIL**

20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in
- a) National committees : **NIL**
- b) International Committees : **NIL**
- c) Editorial Boards : **NIL**
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**
23. Awards / Recognitions received by faculty and students : **NIL**
24. List of eminent academicians and scientists/ visitors to the department : **NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National - **NIL**
- b) International - **NIL**
26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		166			
	2014-15		160			
	2013-14		142			
	2012-13		130			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. (Ag.) Part - I	2016-17	291	18	18	---	
	2015-16		18			
	2014-15		18			
	2013-14		18			
	2012-13		18			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	YES
· Other than campus recruitment	YES
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
- b) Internet facilities for Staff & Students : **YES**
- c) Class rooms with ICT facility : **YES**
- d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Seminars**
- **Special Lecturers on regular basis**

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**
- **LCD**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

- STRENGTHS :**
- a) We have experienced faculty. 90 % of faculty have research experience.
 - b) We have competent faculty.
 - c) Faculty members are dedicated to their job.
 - d) There is cohesiveness among the faculty members.
 - e) All the faculty members are the member of one or the other committee of the College and actively participate in different activities of the College.
- WEAKNESSES :**
- a) Quality of students is poor. Students are less exposed.
 - b) Students do not have good communication skills. They are poor in english communication.
 - c) Infrastructural and Modern Teaching aids
- OPPORTUNITIES :**
- a) Scope to grow in the action research to meet out the agricultural needs of industry.
- CHALLENGES :**
- a) Growing competition – Private institutions are growing in Agra.
 - b) Declining percentage of quality of students.

ANNEXURE – 02**Detail of Publications****1. Dr. P. K. Singh**

S. No.	Name of Author	Title of Paper	Name of Journal/Conference	Year / Volume / Page	I.S.B.N. / I.S.S.N.
01	S.K. Sahi & P.K. Singh	A study of certain variables related to voluntary feed intake in growing heifers	Indian Journal animal production and management	2011/27 38-41	0970-1524
02	R.K. Goyal, P.K. Singh, K.P. Singh and S.K. Goyal	Medicinal Plants (Satabar and Safed Musli) used for preparation of herbal dairy products	National seminar pf emerging trends in education and research in Ayurveda held at R.G.S.C., B.H.U., Mirzapur	2011/proceeding /59-64	81-85694-65-6
03	R.K. Goyal, P.K. Singh, S.K. Goyal and S.P.S. Somvanshi	Used to herbal ingredients in food products	National seminar on recent advances and future challenges in Ayurveda held at R.G.S.C., B.H.U., Mirzapur	2012/proceeding/126-128	978-81-85-694-07-2
04	Indu Chaturvedi, P.K. Singh, T.K. Dutta	Effect of herbal feed on goat Hematological and biochemical profile	International Journal of Biotech Bioengineering Research	2013/4:257-262	2231-1238
05	Indu Chaturvedi T.K. Dutta, P.K. Singh, Ashwani Sharma and Manoj Kumar	Effect of herbal feed additives on I.V.D.M.D., Methane and total gas production vava in-vitro study	J Agroecology and Natural Resource management (JANRM)	2014/1:108-112	2394-0786
Books					
01	Indu Chaturvedi T.K. Dutta and P.K. Singh	Herbal additives for goat production	Lembert production academic publishing	2015	987-3-659-40851-9

POPULAR ARTICLES (HINDI)					
01	R.K. Goyal, P.K. Singh Sriram Singh	Narbachchaon (Bachhdha yaa Pada) kee upeksha kyon?	Vindhya Krishi 5 (1)	07-09-2011	0974-9934
02	R.K. Goyal, P.K. Singh and G.P. Singh	Organic Dairy farming	Vindhya Krishi Sanskara 6 (122)	2012/36-38	0974-9934
03	R.K. Goyal, P.K. Singh, S.K. Goyal, G.P. Singh	Dudh Dhone kee Uchit Vidhiyan yaa sujhhab	Vindhya Krishi 8 (1)	2014/60-65	0974-9934
04	R.K. Goyal, P.K. Singh, S.K. Goyal & G.P. Singh	Dairy farming mai organic farming ka mahatva	Vindhya Krishi Sanskara 7 (1)	2012/69-70	0974-9934
05	R.K. Goyal, Prabha, P.K. Singh and G.P. Singh	Murgi Palan Jeevika ka Sadhan	Vindhya Krishi 9 (1)	1014/32-34	0974-9934
Book Chapters					
01	R.K. Goyal, S.K. Goyal & P. K. Singh	Vermicompost evam vartman krishi	Vartmaan mai krishi shiksha, shodh evam prasaar	2013/86-92	978-81- 923600-4
02	R.K. Goyal, P.K. Singh, S.K. Goyal & G.P. Singh	Importance of different types of milk or human health	Agricultural education, research and extension in India	2013/24-30	978-81- 926935-5-9
03	R.K. Goyal, S.K. Goyal, P.K. Singh, Shamsher and G.P. Singh	Medicinal plants and herbal food products	Agriculture and rural development in India	2014/533- 540	978-81- 926935-6-9

2 Dr. Rajeev Kumar

S. NO.	Author & Year	Title	Journal/Publication
01	Rajeev Kumar and M.L. Bhaskar, 2013	Effect of herd size on cost & production of milk of crossbred cows and Murrah buffaloes	J. Rural Agric. Res. 13(2) 43-45
02	Ravindra Kumar, Rajeev Kumar and M.L. Bhaskar, 2013	Effect of Sugar Levels on the Quality of Srikhand	Proceeding of National seminar on value added functional food at Janta College, Bankewar, Etawah
03	K V Singh, Rajeev Kumar, Laxman Singh M.L. Bhaskar , 2014	Effect of S.N.F. levels of milk on the quality of Srikhand	J. Rural Agric. Res. 14(01) 47-48
04	Kuldeep Singh, M.L. Bhaskar, Rajeev Kumar and Upendra Singh, 2015	The quality of market milk sold under unorganised sector of Agra city	J. Rural Agric. Res. 14(01) : 91-93

3. Dr. M. L. Bhaskar

S. NO.	Author & Year	Title	Journal/Publication
01	Rajeev Kumar and M.L. Bhaskar, 2013	Effect of herd size on cost & production of milk of crossbred cows and Murrah buffaloes	J. Rural Agric. Res. 13(2) 43-45
02	Ravindra Kumar, Rajeev Kumar and M.L. Bhaskar, 2013	Effect of Sugar Levels on the Quality of Srikhand	Proc. of Nat. seminar on value added functional food at Janta College, Bankewar, Etawah
03	K V Singh, R. Kumar, L. Singh M.L. Bhaskar , 2014	Effect of S.N.F. levels of milk on the quality of Srikhand	J. Rural Agric. Res. 14(01) 47-48
04	Kuldeep Singh, M.L. Bhaskar, Rajeev Kumar and Upendra Singh, 2015	The quality of market milk sold under unorganised sector of Agra city	J. Rural Agric. Res. 14(01) : 91-93
06	M.L. Bhaskar, 2015	Effect of holding size on cost of milk production of crossbred cows and Murrah buffaloes	J. Rural Agric. Res. 15(02) : 51-53
07	M.L. Bhaskar, 2015	Economics performance of crossbred cows and Murrah Buffaloes in Bichpuri block Agra District	Special National globalization challenges and opportunities at Ess. Ess. College of Education, Khaspur, Dayal Bagh, Agra
08	M.L. Bhaskar, 2016	Effect of Animal waste on surface ground water resources	National seminar on waste management and its control majors present and strategies by department of higher education of U.P. Page 79

4. **Dr. Bhimsen**

- 1- Effect of different fat levels on chemical quality of buffalo milk paneer. The geographical observer volume 42. Dec, 2012, PP 14-18. Bhimsen.
- 2- Effect of crude protein levels on the performance of locality crossbred cows. The geographical observer volume 42. Dec. 2012, PP 78-83. Bhimsen.
- 3- Performance of growing calves food on banana (Musapardisiaca) stem. The Biasecon 9(1) 121-123, 2014. Bhimsen, Jay Singh, Tarun Verma and Prabhat R Patel.
- 4- Performance of growing calves food on banana (Musapardisiaca) leaf. Organic in rural development PP 376-380, 2016. Bhimsen, Jay Singh, Tarun Verma and Anuj Kumar Gautam
- 5- Impact of various seasonal factor of milk production pattern of dairy animals at B.H.U. Dairy Farm. Shrinkhala E.K. Shodh Park Patrika Volume-III PP 11-14, 2014 Bhimsen

5. **Dr. V. P. Singh**

- 1- P. K. Singh, K. C. Yadav, **V. P. Singh** and S. K. Sahi (2010) Feeding Management Practices Vis-à-vis Nutritional Status Buffaloes Under Field Conditions in Agra District of Uttar Pradesh. Indian J. Dairy Sc. 63(2)118-121
- 2- P. K. Singh, R. K. Goyal, **V. P. Singh**, S. K. Goyal (2010) Study on Quality Analysis on Cow Milk Paneer Manufactured from Different Coagulants. J. Scientific and Applied Res. 1:25-17
- 3- **V. P. Singh**, P. K. Singh and Meera Singh (2015) Socioeconomic status of farmers Vis-à-vis role of human research in sheep and goat management practices in southern Rajasthan. The J. of Rural and Agricultural Research. Vol. 15 No. 2, 25-27

3. Evaluative Report of the Departments

DEPARTMENT OF AGRICULTURAL EXTENSION

1. Name of the Department : **AGRICULTURAL
EXTENSION**
2. Year of Establishment : **UG : 1940
UG : 1963**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]
PG [B. Sc. (Ag.)]
Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester
PG - Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors*	---	01
Assistant Professors	04	02

* Assistant Professors are further promoted to Associate Professor.

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Jitendra Kumar Chauhan	M. Sc. (Ag.), Ph.D.	Associate Professor	Ag. Extension	26	04/23
Dr. Vijay Kumar Sharma	M. Sc. (Ag.), Ph.D.	Mandai Lecturer	Ag. Extension	10	---
Dr. Than Singh	M. Sc. (Ag.), Ph.D.	Assistant Professor	Ag. Extension	10	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty :

13. Student -Teacher Ratio (programme wise) : **UG - 160 : 2**
PG – 15 : 2

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	01	01
Lab. Attendant	02	---

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 03**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
University, Agra
19. Publications : **Refer ANNEXURE - 02**

* a) Publication per faculty

Name	No. of papers	No. of Books
Dr. Jitendra Kumar Chauhan	49	04
Total	49	04

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **49**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
- * Monographs : **NIL**
- * Chapter in Books : **02**
- * Books Edited : **06**
- * Books with ISBN/ISSN numbers with details of publishers : **04**
- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**
20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in
a) National committees : **Dr. Jitendra Kumar Chauhan**
- **ICAR General Body**
 - **Indian Society of Extension Education, New Delhi**
 - **All India General Secretary, Society of Extension Education, Agra**

b) International Committees

: **Dr. Jitendra Kumar Chauhan**➤ **International Society of Extension Education, Nagpur**

c) Editorial Boards

: **NIL**

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **B. Sc. (Ag.) RAWE - 100%**
M. Sc. (Ag.) Thesis - 20%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**

23. Awards / Recognitions received by faculty and students :
Dr. Jitendra Kumar Chauhan

Name of the Award	Awarding organization	Year
SEE Fellow Awards	Society of Extension Education, Agra	2011

24. List of eminent academicians and scientists/ visitors to the department : **NIL**25. Seminars/ Conferences/Workshops organized & the source of funding
a) National -

Organised Seminars/Symposia/Training Courses/Workshop			
Organised as Organizing Secretary/ Gen. Secretary of the Society of Extension Education			
	Title of Seminars/ Duration /Year	Place	Title
	6th National Extension Education Congress-2011 17-19 Dec., 2011	ICAR Research Complex for Goa, Ela, Old Goa. Goa	Emerging Models of Technology Application for Agri- Rural Development
	7th National Extension Education Congress 2014 (NEEC 2014) 8-11 November 2014	ICAR Research Complex for NEH Region, Umiam, Meghalaya.	Translational Research-Extension for Sustainable Small Farm Development
	8 th National Extension Education Congress, Jan.28-31, 2017	ICAR-NAARM, Hyderabad	Nutrition-Sensitive Agriculture: Changing Role of Extension
Detail information about organized congresses are available on < www.seea.org.in >			

b) International -

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		157			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. (Ag.) Part - I	2016-17	291	15	13	02	
	2015-16		14			
	2014-15		15			
	2013-14		15			
	2012-13		15			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	---
	2015-16	80%	20%	---
	2014-15	80%	20%	---
	2013-14	80%	20%	---
	2012-13	80%	20%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	80%	20%	---
	2015-16	80%	20%	---
	2014-15	80%	20%	---
	2013-14	80%	20%	---
	2012-13	80%	20%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **NIL**

29. Student progression

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	NIL
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	NIL
· Other than campus recruitment	NIL
Entrepreneurship/Self-employment	NIL

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **NIL**
d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P. :**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Seminars**
- **Special Lecturers on regular basis**

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**
- **LCD**
- **Personal interaction**
- **Tests on regular basis**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Lectures delivered in villages**
- **Rural Agriculture Work Experience (RAWE)**

Extension Activities				
1	Demonstration	105	1991	Till now
2	Kisan Gosthi	35	1991	Till now
3	Farmers Fair	05	1990	1995
4	NEP with IARI, Pusa	12	2010	2013
5	AICRP with DRMR, Sewar, Bharatpur, Raj	40	2010	2013

35. SWOC analysis of the department and Future plans

STRENGTHS :

- a) 100 % result of UG and PG students.
- b) 7 scholars have been awarded Ph. D. degree since 2010

WEAKNESSES :

- a) Quality of students is poor. Students are less exposed.
- b) Students do not have good communication skills. They are poor in english communication.
- c) There is no technical and laboratory assistant.

OPPORTUNITIES :

- a) Scope to grow in the action research to meet out the agricultural needs of industry.

CHALLENGES :

- a) Presence of students and latest teaching facilities.
- b) Declining percentage of quality of students.

ANNEXURE – 01**List of Ph. D. Scholars****1. Dr. Jitendra Kumar Chauhan**

Ph.D. Guided (Awarded Ph. D Thesis)			
S.N.	Name	Title	Year
1.	Ajay Kumar	A Comparative Study Of Scientific Livestock Management Practices Among Rural and Urban Livestock Owners Of Jammu District	2010
2.	Om Vir Singh	An Explorative Study on Improved Management Practices of Dairy Farming in Karnal District, Haryana	2010
3.	Ranvijay Singh	A Study On Training Needs Of Extension Personnel in Effective Communication	2011
4.	Mrs. Anuradha Kanaujia	A Critical Study of Women Entrepreneur of Kanpur City	2013

ANNEXURE – 02**Detail of Publications****1. Dr. Jitendra Kumar Chauhan**

1.	Research paper in National Journals – Indian Research Journal of Extension Education, Published by Society of Extension Education, Agra	Total paper published 49	
	4 marks (NAAS rating of scientific journals -2007, Sr. No. 790, JrnID-IO95, pp-17 from 2007-2010)	12	
	3.5 marks (NAAS rating of scientific journals-2010. Sr. No. 886, JrnID-I085 - from 2011 - 2013)	06	
2.	Books/Manuals (published by publishers)	04 (List attached)	
3.	6 Editing & Compilation of Compendium	06	
4.	Two chapters in E-Book of Extension Education published by NISCARE (National Institute of Science Communication and Information Resources-CSIR)	02	Available on website http://nsdl.niscair.res.in
	1st Chapter: Agricultural Extension Education - Introduction to Agricultural Extension Education http://nsdl.niscair.res.in/bitstream/123456789/517/1/PDF+Communication+in+Agri+culture.pdf		
	IInd Chapter: Agricultural Extension Education - Communication in Agriculture http://nsdl.niscair.res.in/bitstream/123456789/307/1/AGRICULTURAL+EXTENSIO N+ EDUCATION.pdf		
5.	*Popular articles in magazine/research paper in non referred journals	93	Popular article
	*Abstract in published proceedings/souvenir will be considered as equivalent to popular article.	34	Abstract

3. Evaluative Report of the Departments

DEPARTMENT OF AGRICULTURAL ECONOMICS

1. Name of the Department : **AGRI. ECONOMICS**
2. Year of Establishment : **UG : 1940**
: **UG : 1945**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]**
: **PG [B. Sc. (Ag.)]**
: **Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
: **PG - Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors*	---	01
Assistant Professors	04	02

* Assistant Professors are further promoted to Associate Professor.

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Prathvi Singh	M. Sc. (Ag.), Ph.D.	Associate Professor	Ag. Economcis	30	7/13
Dr. Ranvijay Singh	M. Sc. (Ag.), Ph.D.	Assistant Professor	Ag. Economcis	7	---
Dr. Rakesh Kumar Kulshreshtha	M. Sc. (Ag.), Ph.D.	Assistant Professor	Ag. Economcis	12	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : 1. Dr. Balishter
2. Dr. R. K. Singh
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Lectures – 25 %
13. Student -Teacher Ratio (programme wise) : UG - 40 : 2
PG – 7.5 : 2

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : M. Sc. (Ag.), Ph. D. - 03
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar

University,

19. Publications : **Agra**
: Refer ANNEXURE - 02

- * a) Publication per faculty

Name	No. of papers	No. of Books
Dr. Prathvi Singh	01	01
Dr. Rakesh Kumar Kulshreshtha	03	---
Total	04	01

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **04**

- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**

- * Monographs : **NIL**

- * Chapter in Books : **NIL**

- * Books Edited : **01**

- * Books with ISBN/ISSN numbers with details of publishers : **NIL**

- * Citation Index : **NIL**

- * SNIP : **NIL**

- * SJR : **NIL**

- * Impact factor : **NIL**

- * h-index : **NIL**

20. Areas of consultancy and income generated : **Dr.Ranvijay Singh:**
Secretary of ATMA project,Sitapur and District Project Coordinator of DASP,Sitapur

21. Faculty as members in
- a) National committees : **Dr. Rakesh Kumar Kulshrestha**
➤ **Indian Red Cross Society**
- b) International Committees : **NIL**
- c) Editorial Boards : **NIL**
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **B. Sc. (Ag.) RAWE - 100%**
M. Sc. (Ag.) Thesis - 20%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**
23. Awards / Recognitions received by faculty and students :**Dr.Ranvijay Singh-**
1.Chal Vajyanti Cup
2.Best Performer of the year
Award under DASP project
24. List of eminent academicians and scientists/ visitors to the department :
1. **Dr. S. K. Kulshrestha, Canada**
 2. **Dr. Amod Sharma, Nagaland**
 3. **Dr. Dalveer Singh, Haryana**
 4. **Dr. S. K. Singh, BHU, Banaras**
 5. **Dr. S. P. Singh, BHU, Banaras**
 6. **Dr. Badal**
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National - **NIL**
- b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		157			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. (Ag.) Part - I	2016-17	291	15	15	---	
	2015-16		15			
	2014-15		15			
	2013-14		15			
	2012-13		15			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	---
	2015-16	80%	20%	---
	2014-15	80%	20%	---
	2013-14	80%	20%	---
	2012-13	80%	20%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	80%	20%	---
	2015-16	80%	20%	---
	2014-15	80%	20%	---
	2013-14	80%	20%	---
	2012-13	80%	20%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **02**

29. Student progression

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	NIL
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	NIL
· Other than campus recruitment	NIL
Entrepreneurship/Self-employment	NIL

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **NIL**
d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P. : 64**
Social Welfare Dept. of U.P. : 08

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Seminars**
- **Special Lecturers on regular basis**

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**
- **LCD**
- **Personal interaction**
- **Tests on regular basis**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Dr.Ranvijay Singh has experience in extension with 4 training courses on Organic farming,Disaster management,Precision Farming and Marketting of Agriculture product.**
- **Rural Agriculture Work Experience (RAWE)**

35. SWOC analysis of the department and Future plans

STRENGTHS :

- a) 87 % result of UG and PG students.
- b) 7 scholars have been awarded Ph. D. degree since 2010

WEAKNESSES :

- a) Quality of students is poor. Students are less exposed.
- b) Students do not have good communication skills. They are poor in english communication.
- c) There is no technical and laboratory assistant.

OPPORTUNITIES :

- a) Scope to grow in the action research to meet out the agricultural needs of industry.

CHALLENGES :

- a) Presence of students and latest teaching facilities.
- b) Declining percentage of quality of students.

FUTURE PLAN :

- (1) We have future plans to few career oriented / top up courses for students e.g. Diploma course on international trade / International Business Management .
- (2) Retail management (1 Year Course)
- (3) Shelf management in malls (6 Months Course)
- (4) To organize entrepreneurship lab for students to discuss business plants.
- (5) To Organize Seminars / Conference (at least once in a Year.)
- (6) To organize educational / Industrial tours to give practical exposure to students.

ANNEXURE – 01**List of Ph. D. Scholars****1. Dr. Prathvi Singh**

No .	Name & Position of the candidate	Topic	Position
1	Dr. Shyoraj Hada, National Seed Corporation, Govt. of India	Marketing and Processing of Sesamum in Rajasthan	Awarded
2	Dr. S K. Sharma, Lecturer, Navodaya Vidhyalaya, Aligarh	Economics Analysis of Potato Crop in Agra District of Uttar Pradesh	Awarded
3	Dr. Ajay Kumar Jha, Supervisor, CCS, Pusa Samashtipur, Bihar	A Study of Rice Production and Yield Stability in Bihar : A Regional Analysis	Awarded
4	Dr. Samser Singh, Farm Manager, Govt. Farm, H.P.	A Study on Production, Marketing and Post Harvest Losses of the Major Seasonal and Off seasonal Vegetables in Himanchal Pradesh	Awarded
5	Dr. Digamber, Supervisor in Agriculture Dept., RAJ.	Growth Instability and Market Competition in importance crops in Rajasthan	Awarded
6	Dr. D. S. Sisodia, Mandi Samiti, Agra	An Analytical Study of the Use of Fertilizers and Their Productivity on Major Crops in Agra Division (UP)	Awarded
7	Dr. Chhote Lal, Area Manager	Economics of Milk Production in Rural Households of Bah Tehsil of Agra District	Awarded

2. Dr. R. K. Singh (Retd.)

SNo	Name	Topic	Position
1	Dr. A.P.S. Varma	An Economic study on Paddy Seed Production through Contract Farming in Haryana	Awarded
2	Dr. Bhajan Bihari	A study on Productive Crop in Wheat Production in Mathura District of Western UP	Awarded

3. Dr. Balishter (Retd.)

Sl. No.	Name	Topic	Position
1	Dr. Devendra Singh	Comparative share of Cow and Buffalo in Milk Production in System in Agra District of Western UP	Awarded
2	Dr. Sanjay Kumar	Economic Analysis of Farming Systems of Rainfed Area of Bundelkhand Region of UP	Awarded
3	Dr. Rajesh Singh Tomar	Role of Farm Women in Agriculture – A study in Agra District of Uttar Pradesh	Awarded

ANNEXURE – 02**Detail of Publications****1. Dr. Prathvi Singh**

- To Study the Trends of Market Arrivals and Prices of Rapeseed-mustard in Bharatpur District of Rajasthan, the Journal of Annals of Agricultural Research in New Series Vol. 34, No.3, September, 2013 (HEMENDRA SINGH, DR P SINGH & KAILASH CHAND BHAIRWA)

Books Edited

- “AGRICULTURAL ECONOMICS” for B.Sc. (Ag.) students of the Dr. B.R.A. Univeristy, Agra

2. Dr. Rakesh Kumar Kulshrestha

Sl. No	Title of Article	Publisher	Year of the publication
1.	Role of Sub-Conscious Mind for Motivation in Rural Development	National Seminar on Motivation, Goal, Achievement & Sub Conscious Mind (sponsored by U.G.C)	March 14, 2010
2	Profitability of Potato in Bichpuri Block of Agra District	National Conference on Emerging Challenges and Opportunities in Biotic and Abiotic Stress Management – 2014	December 13-14, 2014
3	Cost and Returns of Wheat Crop in Agra District of Western UP	The Journal of Rural and Agricultural Research	Vol. 16, No. 2, 2016 Page : 43 – 46.

3. Evaluative Report of the Departments

DEPARTMENT OF HORTICULTURE

1. Name of the Department : **HORTICULTURE**
2. Year of Establishment : **UG : 1940**
: **PG : 1949**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]**
: **PG [M. Sc. (Ag.)]**
: **Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
: **PG - Annual**
6. Participation of the department in the courses offered by other departments : **Ag. Statistics & Mathematics**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	---
Assistant Professors	05	03

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Brijesh Kumar	Ph.D. NET	Asstt. Professor	Horticulture	6 yr	Nil
Dr. Vishwa Nath	Ph.D. NET	Asstt. Professor	Horticulture	6 yr	Nil
Dr. Yatendra Singh	Ph.D. NET	Mandai Lecturer	Horticulture	10 yr	Nil

11. List of senior visiting faculty : **Dr. A. S. Parmar**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 33%**

13. Student -Teacher Ratio (programme wise) : **UG – 160 : 3**
PG – 30 : 3

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	01	01
Lab. Attendant	08	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 03**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
University,
Agra

19. Publications : Refer ANNEXURE - 01

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Brijesh Chaturvedi	05	02
Dr. Vishwanath	08	01
Dr. Yatendra Singh	02	01
Total	15	04

* Number of papers published in peer reviewed journals (national / international) by faculty and students - **15**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**

* Monographs - **NIL**

* Chapter in Books - **02**

* Books Edited - **NIL**

* Books with ISBN/ISSN numbers with details of publishers - **04**

* Citation Index - **NIL**

* SNIP - **NIL**

* SJR - **NIL**

* Impact factor - **NIL**

* h-index - **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : **NIL**

b) International Committees : **NIL**

c) Editorial Boards : **NIL**

22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **100%**
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**
23. Awards / Recognitions received by faculty and students : **NIL**
24. List of eminent academicians and scientists/visitors to the department :
1. **Dr. P.N. Katiyar Professor. , Deptt. of Horticulture, C. S. A. Agri. University, Kanpur**
 2. **Dr. R.K.Shukla (Retd.), Janta College, Bakewar (Etawah)**
 3. **Dr. K.N. Nagaich, Professor Horticulture, College of Agriculture, Gwalior**
 4. **Dr. Harbir Singh Bangour, Director Horticulture, ASI, Agra**
 5. **Dr. S. V. S. Rothar Retd. Head & Dean, B-39 H.I.G. Shartripuram, Agra-7**
 6. **Dr. Vijai Singh, Head (Retd.), 823\7 A.V. Colony Sikandara, Agra**
 7. **Dr. J.P. Verma, Retd Reader, Nikhil Paradise, Shastripuram, Agra**
 8. **Dr. H. S. Shukla, Retd.Head, C. S. A. University, Kanpur**
 9. **Dr. O. P. Chaturvedi Ex. Professor (Horticulture), C.S.A. Uni. Of Agri. & Tech., Kanpur (U.P.)**
 10. **Dr. Radha Mohan Sharma, Principal Scientist Horticulture, I A R I, New Delhi**
 11. **Dr. Sunil Malik, Professor Horticulture, SVBP Ag & Tech. University, Meerut**
 12. **Dr. O.P. Awasthi, Principal Scientist(Horticulture), Div. of Fruit Sci. & Tech., I A R I, New Delhi**
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National - **NIL**
 - b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		166			
	2014-15		160			
	2013-14		142			
	2012-13		130			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. (Ag.) Part - I	2016-17	291	15	11	04	
	2015-16		18			
	2014-15		18			
	2013-14		18			
	2012-13		18			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	80%	20%	NIL
	2015-16	80%	20%	NIL
	2014-15	80%	20%	NIL
	2013-14	80%	20%	NIL
	2012-13	80%	20%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : 16
Annexure - 02

29. Student progression

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	---
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	YES
· Other than campus recruitment	YES
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- a) Library : Departmental and Central
 - b) Internet facilities for Staff & Students : YES
 - c) Class rooms with ICT facility : NIL
 - d) Laboratories : YES
31. Number of students receiving financial assistance from college, university, : Post Matric Scholarship from Govt. of U.P. - 64

Krishi Utpadan Mandi
Samiti - 08

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Seminars**
- **Special Lecturers on regular basis**
- **Seminars, Workshops and Short Term Programmes attended by faculty :**

1. Dr. Brijesh Kumar

- National seminar on Teacher Empowerment and Educational Excellence : Vision 2020. Held at R.B.S. College, Agra during December 19th 2010.
- National seminar on Conservation, Cultivation And Utilization of Medicinal Plants held at R.B.S. College, Agra during Feb. 26-27, 2011.
- National seminar on Horticulture and Agriculture Research for Prosperity of India held at Janta College, Bakewar (Etawah) during March 28-29, 2011.
- National seminar on Conservation And Sustainable Utilization of Medicinal and Herbal Plants held at R.B.S. college, Agra during Feb. 25-26, 2012.
- 2nd Biennial national conference on Global Warming: Health Hazards and Mitigation Strategies held at Agra under Indian Academy of Science and Nature during March 09, 2013.
- Workshop and training programme on CENSUS of India-2011: Analysis, Application and Importance held at Deptt. Of Statistics Agra College, Agra during Oct. 17, 2014.
- National seminar on Copping with Challenges of Modern Stressful Life Using Holistic Methods held at B.V.R.I., Bichpuri, Agra during March 29-30, 2015.
- National seminar on status of land Resources: challenges and solutions held at Balwant Vidhyapeeth Rural Institute, Bichpuri, Agra.
- National seminar on waste management and its control measurces: present and future strategies held at R.B.S. college, Agra during Feb. 27-28, 2016

- National Seminar on current initiatives in higher education held at Govt. (PG) College, Fatehabad, Agra during January 22, 2017.
- Indo-Spain workshop on electrolyzed water technology: An eco-innovative solution for agro food and water industries held at R.B.S. Engg. Tech. Campus, Bichpuri Agra during July 14, 2016.
- National Conference on Reinvigorating Agricultural Innovations for Farmers Empowerment and Development RAINFED-2015 organized at the University Auditorium, PJTSAU, Hyderabad-500030 during May 3-4, 2015

2. Dr. Vishwanath

- University National Seminar on Recent Trends In Horticultural Crops-Issues And Strategies For Research And Development held at C C S Haryana Agricultural, Hisar during March , 22-24, 2010.
- National workshop on Quality Seed Production Of Spices, Medicinal And Aromatic Plants held at Deptt. Of Agronomy, Amar Singh College of Agriculture, Lakhaoti, Bulandshahar (U.P.) during March 27-28, 2010.
- National seminar on Teacher Empowerment and Educational Excellence: Vision 2020. Held at R.B.S. College, Agra during December 19th 2010.
- National seminar on Conservation, Cultivation And Utilization of Medicinal Plants held at R.B.S. College, Agra during Feb. 26-27, 2011.
- National seminar on Horticulture and Agriculture Research for Prosperity of India held at Janta College, Bakewar (Etawah) during March 28-29, 2011.
- National seminar on Conservation And Sustainable Utilization of Medicinal and Herbal Plants held at R.B.S. college, Agra during Feb. 25-26, 2012.
- 2nd Biennial national conference on Global Warming: Health Hazards and Mitigation Strategies held at Agra under Indian Academy of Science and Nature during March 09, 2013.

- Workshop and training programme on CENSUS of India-2011: Analysis, Application and Importance held at Deptt. Of Statistics Agra College, Agra during Oct. 17, 2014.
- National seminar on status of land Resources: challenges and solutions held at Balwant Vidhyapeeth Rural Institute, Bichpuri, Agra during March 8, 2014
- National Conference on Reinvigorating Agricultural Innovations for Farmers Empowerment and Development RAINFED-2015 organized at the University Auditorium, PJTSAU, Hyderabad-500030 during May 3-4, 2015
- National seminar on Copping with Challenges of Modern Stressful Life Using Holistic Methods held at B.V.R.I., Bichpuri, Agra during March 29-30, 2015
- Indo-Spain workshop on electrolyzed water technology: An eco-innovative solution for agro food and water industries held at R.B.S. Engg. Tech. Campus, Bichpuri Agra during July 14, 2016.
- National seminar on waste management and its control measurces: present and future strategies held at R.B.S. college, Agra during Feb. 27-28, 2016.
- National Seminar on current initiatives in higher education held at Govt. (PG) College, Fatehabad, Agra during January 22, 2017.

3. Dr. Yatendra Singh

- National seminar on Horticulture and Agriculture research for Indian prosperity during March 28-29, 2011 Janta college, Bakewar, Etawah.
- International conference on emerging trends in biotechnology & Sciences with special reference to climate change (ETBSERCC-2015) organized by Indian Society of Genetics, Biotechnology Research and Development, Agra (U.P.) in collaboration with KVK, Vansthali vidhyapeeth during Feb. 18-20, 2015
- International seminar on New challenges in Biotechnology and Molecular biology in the context of 21st century (NCBMBCC) organized by Indian Society of Genetics Biotechnology Research and Development, Agra (U.P.) during Feb. 27-29, 2016

- National Seminar on Current Initiatives in Higher Education held at Govt. (PG) College, Fatehabad, Agra during January 22, 2017.
- **Courses attended by faculty to improve competency and update themselves for the benefit of students :**
 1. **Dr. Brijesh Kumar**
 - Orientation programme from UGC, Academic Staff College, Aligarh Muslim University, Aligarh since July 13, 2012 to Aug. 9, 2012 with Grade "A"
 - Summer School on Agribusiness and Market Intelligence sponsored by ICAR, New Delhi organized by Department of Agricultural Economics SASRD, Nagaland University, Mediziphema, Dimapur, Nagaland since Sep. 6-26, 2013
 2. **Dr. Vishwanath**
 - Orientation programme from UGC, Academic Staff College, Aligarh Muslim University, Aligarh since July 13, 2012 to Aug. 9, 2012 with Grade "A"
 - Summer School on Agribusiness and Market Intelligence sponsored by ICAR, New Delhi organized by Department of Agricultural Economics SASRD, Nagaland University, Mediziphema, Dimapur, Nagaland since Sep. 6-26, 2013
- 33. Teaching methods adopted to improve student learning :
 - **Black-board**
 - **Overhead Projector**
 - **LCD**
 - **Poster presentation**
 - **Group Discussion**
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities
 - **Radio talk**
 - **Judging of Flower show ASI and Mughal garden, Agra,**
 - **Lectures in KVK,**
 - **Kissan Mela & Agriclinic center**

35. SWOC analysis of the department and Future plans

- STRENGTHS :**
- a) We have field facility for B.Sc. (Ag.), M.Sc. (Ag.) & Ph. D. students.
 - b) We have competent faculty.
 - c) Faculty members are dedicated to their job.
 - d) We have laboratories for research work.
 - e) Conducted research, based on the local problems of farmers.
 - f) We have orchard and collection plot for practical education.

- WEAKNESSES :**
- a) Quality of students is poor. Students are less exposed.
 - b) Students do not have good communication skills. They are poor in english communication.
 - c) Lack of teaching and non-teaching staff.
 - d) Lack of smart classes in UG. & P.G. level.
 - e) Lack of appropriate funds.

- OPPORTUNITIES :**
- a) We have large farm and equipment.
 - b) We have vast infrastructure and laboratories

- CHALLENGES :**
- a) Develop the courses for Ph.D. classes.
 - b) Develop the ITC activities in the department and emphasis on FDP.
 - c) Emphasis on practical aspects of subject.
 - d) Preparing some prospects for the development of subject and local people.
 - e) Collection and registration of local germplasm of vegetables.
 - f) Establishment of new orchards.

ANNEXURE – 01

Detail of Publications

A) Research paper published by Dr. Brijesh Kumar

- 1) Ram, D., Chandra, R., Vishwanath and **Kumar, Brijesh**. (2010). Effect of spacing & Organics on growth and herbage yield of Kalmegh (*Andrographis paniculata* Wallex. nees) *South Indian Horticulture*. **58**:94-96
- 2) Tiwari, Jagvir, Vishwanath, **Kumar, Brijesh** & Pandey, Manoj (2011). Response of Nitrogen & Phosphorus on the growth and root yield of radish (*Raphanus sativus* Linn) *Indian Res. J. Genetics & Biotech* **1**(3):156-159.
- 3) Srivastava, C.P., Vishwa Nath, Pandey, Manoj and **Kumar, Brijesh** (2011). Effect of foliar spray of plant growth hormone and urea on fruit yield and quality of Aonla (*Emblica officinalis* G.) *Agricultural productivity and resources use*.(48-52)
- 4) Vishwanath, Pandey, Manoj and **Kumar, Brijesh** (2013). Effect of integrated nutrient management in Guava(*Psidium guajava*) on soil properties. *Annals of Plant & soil research*.**15** (2):175-176.
- 5) V.N. Mishra, M.S. Chalkh, **B.K. Chaturvedi**, Manoj Pandey and D.K. Rawat (2015). Performance of radish (*Raphanus sativus* L.) c.v. Pusa Chetki under various biofertilizers and different levels of N P K, Proceeding of National Alumni Meet and national Seminar on Agriculture Development 2015 pp 146-149.

Books Published

1. Handbook of practical Horticulture published by Kalyani Publisher, New Delhi
ISBN 978-93-272-7010-5
2. Adhunik Sabji Utpadan published by Sri Krishna Publishers, Agra

Book Chapter

- 02 in the Book **Agricultural Productivity and Resources Use**, S.S. Publication, New Delhi
ISBN: 978-81-89812-44-7 pp – 214

B) Research Paper Published by Dr. Vishwa Nath

- 1) Ram, D., Chandra, R., **Vishwanath** and Kumar, Brijesh. (2010). Effect of spacing & Organics on growth and herbage yield of Kalmegh (*Andrographis paniculata* Wallex. nees) *South Indian Horticulture*. **58**:94-96
- 2) Khan, S. Singh, H. K., **Vishwanath** and Kumar, Suresh. (2010). Influence of foliar feeding of nutrients and thiourea fruit yield and quality of aonla (*Embllica officinalis* Gaertn.) cv. Narendra Aonla-6, *Indian journals of Ferti.* **6** (8):28-30.
- 3) Kumar, Ram, Prasad, J., Chandra, R. and **Vishwanath** (2010). Flowering, yield and quality of Papaya (*Carica papaya*) in intercropping. *Current Advances in Agri. Sci.* **2** (2):127-128.
- 4) Singh, S.B., Chauhan, S.K., and **Viswanath** (2011). Evaluation of Isabgol (*Plantago ovata* forsk) varieties to potash levels in semi arid condition. *The journal of rural & Agri. Rese.* **11** 2: 58-59.
- 5) Tiwari, Jagvir, **Vishwanath**, Kumar, Brijesh & Pandey, Manoj (2011). Response of Nitrogen & Phosphorus on the growth and root yield of radish (*Raphanus sativus* linn) *Indian Res. J. Genetics & Biotech* **1**(3):156-159.
- 6) **Vishwanath**, Pandey, Manoj and Kumar, Brijesh (2013). Effect of integrated nutrient management in Guava (*Psidium guajava*) on soil properties. *Annals of Plant & soil research*. **15** (2):175-176.
- 7) Ram, D., **Vishwanath**, Chandra, R. and Ravindra Kumar (2010). effect of time & method of sowing on growth and root yield of Ashwagandha (*Withania somnifera* Dunal). *Research journal of Agricultural and Biological Sciences* © 2010 INSI net Pub.
- 8) **V.N. Mishra**, M.S. Chhalakh, B.K. Chaturvedi, Manoj Pandey and D.K. Rawat (2015). Performance of radish (*Raphanus sativus* L.) c.v. Pusa Chetki under various biofertilizers and different levels of N P K, Proceeding of National Alumni Meet and national Seminar on Agriculture Development 2015 pp 146-149.

Books Published

1. **Handbook of practical Horticulture** published by Kalyani Publication, New Delhi. (ISBN 978-93-272-7010-5, pp 167)

Book Chapter

02 in the Book **Agricultural Productivity and Resources Use**, S.S. Publication, New Delhi (ISBN: 978-81-89812-44-7 pp – 214)

Research paper published by Dr. Yatendra Singh

- 1) **Singh, Yatendra**, Singh, Ajay, Gupta Dindayal and Verma, J.P., (2012). Effect of foliar application of NAA on growth and flowering behavior of tuberose (*Polianthes tuberosa* L.) var. single. The journal of rural and agriculture research vol. 12(2), 61-62.
- 2) Singh, Ajay, Singh, **Yatendra, Singh**, Balwant, Gupta, Dindayal and Kumar, Pradip (2013). Effect of levels and method of boron application on growth and yield of cauliflower (*Brassica oleracea* L. var. *botrytis*) cv. Snowball-16. The journal of rural and Agriculture research Vol. 13 (1), 36-37

Books Published

1. Fundamentals of Horticulture, Sri Krishna Publishers, Agra

ANNEXURE – 02**Placement of M. Sc. (Ag.) examination passing out and NET Qualified**

<u>S. No.</u>	<u>Name</u>	<u>Year</u>	<u>Placement</u>
1.	Duli chand Sharma (NET)	2010	NGO
2.	Vishnu (NET)	2011	T A, Krishi Vibhag
3.	Karan Singh Noida	2012	Institute of Horticulture Science,
4.	Lalit Pratap Singh Noida	2012	Institute of Horticulture Science,
5.	Heera Lal (NET)	2012	T A, Krishi Vibhag
6.	Dheeraj Kumar	2013	T A, Krishi Vibhag
7.	Hari Shankar	2013	Teacher Junior high School
8.	Ankleshwar Singh	2013	Foreman Horticulture, ASI
9.	Kiran Rajput	2014	Iffco call center
10.	Rahul Varshney	2014	Teacher Junior High School
11.	Mamtesh Kumari	2015	Agriculture officer, Syndicate Bank
12.	Usha Singh	2015	T A, Krishi Vibhag
13.	Pravesh Kumar	2015	T A, Krishi Vibhag
14.	Veerpal Singh	2015	T A, Krishi Vibhag
15.	Rajesh Meena	2015	T A, Krishi Vibhag
16.	Radha Kishan Sharma (NET)	2015	-

3. Evaluative Report of the Departments

DEPARTMENT OF PLANT BREEDING & GENETICS

1. Name of the Department : **PLANT BREEDING AND GENETICS**
2. Year of Establishment : **UG : 1940**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)] Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	01
Assistant Professors	02	---

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Prem Prakash Singh	M. Sc. (Ag.), Ph.D.	Associate Professor	Plant Breeding	36	05/18

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **1. Dr. M. N. Mishra**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – NIL
Practical – NIL**
13. Student -Teacher Ratio (programme wise) :
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | 01 | --- |
| Lab. Attendant | 01 | --- |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University, : **Yes
DSIR, New Delhi
Dr. B. R. Amedkar
Agra**
19. Publications : **Refer ANNEXURE - 02**
- * a) Publication per faculty
- | Name | No. of papers | No. of Books |
|-----------------|---------------|--------------|
| Dr. P. P. Singh | 05 | --- |
| Total | 05 | --- |
- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **05**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
- * Monographs : **NIL**

20. Areas of consultancy and income generated : **Plant Breeding**
21. Faculty as members in
- a) National committees : **NIL**
 - b) International Committees : **NIL**
 - c) Editorial Boards : **NIL**
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**
23. Awards / Recognitions received by faculty and students : **NIL**
24. List of eminent academicians and scientists/ visitors to the department : **NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National - **NIL**
 - b) International - **NIL**

27. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		166			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	---
	2015-16	80%	20%	---
	2014-15	80%	20%	---
	2013-14	80%	20%	---
	2012-13	80%	20%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **02**

29. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
 b) Internet facilities for Staff & Students : **NIL**
 c) Class rooms with ICT facility : **NIL**
 d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Seminars**

- **Special Lecturers on regular basis**

33. Teaching methods adopted to improve student learning :

- **Black-board**

- **Personal interaction**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

STRENGTHS : a) We have experienced and competent faculty.

b) Faculty members are dedicated to their job.

WEAKNESSES : a) Quality of students is poor. Students are less exposed.

Students do not have good communication skills.

They

are poor in english communication.

OPPORTUNITIES : a) Scope to grow in the action research to meet out the agricultural needs of industry.

CHALLENGES : a) Growing competition – Private institutions are growing in Agra.

b) Declining percentage of quality of students.

ANNEXURE – 01**List of Ph. D. Scholars**1. **Dr. P. P. Singh**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Rajni Tomar	Genotype X Environment Interactions for Genetic Diversity of Yield and Quality Attributed in Cotton	Awarded
2	Shyam Sunder	Genetic diversity and stability Analysis in Groundnut	Awarded
3	Anil Kumar Yadav	Genetic and heterotic studies for yield and yield attributing traits in Karan rai	Awarded
4	Laxman Singh	Study on Induced Mutations in Sesame	Awarded
5	Rohit	Diallel Analysis of yield and its components in Tomato	Awarded

ANNEXURE – 02**Detail of Publications**1. **Dr. P. P. Singh**

- a) Shyam Sunder, **P. P. Singh** and M. N. Mishra (2014). ***Studies on Character Association, Medium fertilizer level for pod yield its components in groundnut.*** The Journal of Rural and Agricultural Research. 14(1):1-4
- b) Rohit and **P. P. Singh** (2015). ***Heterosis for yield and yield components in tomato.*** New Agriculturist. 26(2):287-301
- c) Rohit and **P. P. Singh** (2016). ***Correlation and path analysis for yield and yield components in tomato.*** New Agriculturist. 27(1):57-61
- d) Madhulika Singh, Deep Jyoti Chakraborty, Deepak Kumar Singh, Nikhil Singh, Ishwar Singh, Sain Dass, Vivek Kumar Singh and **Prem Prakash Singh** (2016). ***Evaluating maize inbreds for morpho-physiological characters under high temperature and low moisture stress.*** Annals of plant and soil Research. 18(2):178-182
- e) Madhulika Singh, Deep Jyoti Chakraborty, Deepak Kumar Singh, Ishwar Singh, Sain Dass, Vivek Kumar Singh and **Prem Prakash Singh** (2016). ***Influence of high temperature and low moisture stress on maize hybrids for morpho-physiological, biochemical characters and maize yield.*** Annals of plant and soil Research

3. Evaluative Report of the Departments

DEPARTMENT OF AGRIL. ZOOLOGY & ENTOMOLOGY

1. Name of the Department : **AGRICULTURE ZOOLOGY AND ENTOMOLOGY**
2. Year of Establishment : **UG : 1940**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)] Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	01
Assistant Professors	01	---

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Pradeep Kumar Singh	M. Sc. (Ag.), Ph.D.	Associate Professor	Entomology	34	04

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – NIL**
Practical – NIL
13. Student -Teacher Ratio (programme wise) :
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | --- | --- |
| Lab. Attendant | --- | --- |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **Yes**
DSIR, New Delhi
Dr. B. R. Amedkar
Agra
- University,**
19. Publications : **NIL**
- * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students
 - * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Monographs
 - * Chapter in Books
 - * Books Edited

- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
20. Areas of consultancy and income generated : **Pest Management**
21. Faculty as members in
- a) National committees : **NIL**
- b) International Committees : **NIL**
- c) Editorial Boards : **Dr. P. K. Singh**
Journal of Agriculture and Scientific Research
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **8-10%**
23. Awards / Recognitions received by faculty and students : **NIL**
24. List of eminent academicians and scientists/ visitors to the department : **1. Prof. H. N. Singh**
BHU, Varanasi
2. Prof. Y. K. Mathur
C.S.A. University,
Kanpur
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National - **NIL**
- b) International - **NIL**
26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		157			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	---
	2015-16	80%	20%	---
	2014-15	80%	20%	---
	2013-14	80%	20%	---
	2012-13	80%	20%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **01**

29. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
b) Internet facilities for Staff & Students : **NIL**
c) Class rooms with ICT facility : **NIL**
d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops

/ seminar) with external experts.

- **Seminars**
- **Special Lecturers on regular basis**

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Personal interaction**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Active participation in NSS and RAWE programmes.**

35. SWOC analysis of the department and Future plans

STRENGTHS :

- a) We have experienced and competent faculty.
- b) Faculty members are dedicated to their job.

WEAKNESSES :

- a) Quality of students is poor. Students are less exposed.
- b) Students do not have good communication skills. They are poor in english communication.

OPPORTUNITIES :

- a) Scope to grow in the action research to meet out the agricultural needs of industry.

CHALLENGES :

- a) Growing competition – Private institutions are growing in Agra.
- b) Declining percentage of quality of students.

3. Evaluative Report of the Departments

DEPARTMENT OF PLANT PATHOLOGY

1. Name of the Department : **PLANT PATHOLOGY**
2. Year of Establishment : **UG : 1940**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG [B. Sc. (Ag.)]**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **UG - Semester**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors*	---	---
Assistant Professors	01	01

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Jhilmil Gupta	M. Sc. (Ag.), Ph.D.	Assistant Professor	Plant Pathology	11	---

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – NIL**
Practical – NIL
13. Student -Teacher Ratio (programme wise) : **160 : 2**
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | --- | --- |
| Lab. Attendant | --- | --- |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **NIL**
19. Publications : **Refer ANNEXURE - 01**
- * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students : **Dr. Jhilmil Gupta - 07**
 - * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Monographs : **NIL**

-
- | | | |
|---|---|---------------------------------|
| * | Chapter in Books | : NIL |
| * | Books Edited | : NIL |
| * | Books with ISBN/ISSN numbers with details of publishers | : Dr. Jhilmil Gupta - 02 |
| * | Citation Index | : NIL |
| * | SNIP | : NIL |
| * | SJR | : NIL |
| * | Impact factor | : NIL |
| * | h-index | : NIL |
20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in
- | | |
|-----------------------------|--------------|
| a) National committees | : NIL |
| b) International Committees | : NIL |
| c) Editorial Boards | : NIL |
22. Student projects
- | | |
|---|---------------|
| a) Percentage of students who have done in-house projects including inter departmental/programme | : 100% |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | : NIL |
23. Awards / Recognitions received by faculty and students :
- Recognition Award by Indian Society of Genetics, Biotech. Research and Development, Agra, India**
24. List of eminent academicians and scientists/ visitors to the department : **NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding
- | | |
|------------------|--------------|
| a) National | - NIL |
| b) International | - NIL |
26. Student profile programme/course wise:
-

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Sc. (Ag.) Part - I	2016-17	987	196	168	28	
	2015-16		168			
	2014-15		177			
	2013-14		175			
	2012-13		157			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Ag.) Part - I	2016-17	80%	20%	---
	2015-16	80%	20%	---
	2014-15	80%	20%	---
	2013-14	80%	20%	---
	2012-13	80%	20%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No Information**

28. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	

Entrepreneurship/Self-employment	
----------------------------------	--

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
 b) Internet facilities for Staff & Students : **YES**
 c) Class rooms with ICT facility : **NIL**
 d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Seminars**
- **Special Lecturers on regular basis**
- **Seminars, Workshops and Short Term Programmes attended by faculty to enrich for students benefit**

1. **Dr. Jhilmil Gupta****Training Courses :**

S No	Programme	Duration	Organised by
1	Entrepreneurship development through biological techniques	June 2 – 8, 2011	Bio Link Overseas Co
2	Plant Disease Diagnostic: Theory and Practices	July 4 – 13, 2012	CPRI, Shimla
3	Precision conservation agriculture for climate change adaptation and mitigation in cereal system	Aug 8-17, 2016	IIMR, N Delhi

- **Conferences attended by faculty to improve competency and update themselves for the benefit of students :**

Papers presented in Conferences, Seminars, Workshops, symposia:

S. No	Title of the Paper presented	Type of Conference /Seminar	Date(s) of the event	Organised By	Whether International or National Level
1.	Use of Audio Visual Aid for Effective Teaching	National seminar on Educational Technology – Challenges & Emerging Issue	21 Mar, 2010	ShriMegh Singh Degree College, Agra	National
2.	Global warming: Facts, Causes and Effects	National seminar on Environmental Education for save the earth	26-27 Jun, 2010	Kunwar Educational Society for Research & Development, Agra	National
3.	Understanding India: The future of higher education	National seminar on Higher Education: Vision 2015	6-7 Nov, 2010	Kunwar Educational Society for Research & Development, Agra	National
4.	Corruption in India: A cause of instability and inequalities	National seminar on Corruption in India: Challenges & Responses	12-13 Jun, 2011	Kunwar Educational Society for Research & Development, Agra	National
5.	Education in 21 st Century	National seminar on 21 vi shatabdimei Bharat: dashayeinevamdis hayein	13-14 Nov, 2011	Kunwar Educational Society for Research & Development, Agra	National
6.	Conservation and Cultivation of <i>Artemisia annua</i> L. in semi arid zone of Agra	Conservation, Cultivation and Utilization of Medicinal Plants	26 -27 Feb, 2011	RBS College, Agra	National
7.	Ethnobotanical uses of <i>Tinosporacordifolia</i> in Agra District	Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants	25 - 26 Feb, 2012	RBS College, Agra	National
8.	Population pressure and agricultural development in developing countries.	Impact of Population growth on agriculture and Rural Development	9-10 Feb, 2013	BVRI, Bichpuri (Agra)	National
9.	Climate change treats to yield and quality of potato crops in Agra Region	Climate Change and Biodiversity	03 - 04 March, 2013	RBS College, Agra	National
10.	Biotechnology in India- Current Scene	Vignettes of humanities, social	9-10 Nov,	Kunwar Educational	National

		sciences & basic sciences in the development of Indian society	2013	Society for Research & Development, Agra	
11.	Importance of Land Management	Status of land Resources: Challenges and Solutions	8 th Mar, 2014	BVRI, Bichpuri (Agra)	National
12.	The economics and politics of women's rights	National conference on Globalization: Impact on rights of women	9-10 Mar, 2014	LSSSS Government Degree College, Mathura	National
13.	Studies of Pathological Disease of Cucurbits on bank of river Yamuna at Agra	Yamuna water Pollution and its control measures	30 - 31 Mar, 2014	RBS College, Agra	National
14	Studies on different root extract for the control of wilt in chickpea	Emerging trends in Biotechnology and Sciences with especial reference to climatic change	18-20 Feb, 2015	Indian Society of Genetics, Biotechnology Research and Development, Agra	International
15	Individual and oraganizational strategies for coping with job stress	Coping with challenges of modern stressful life using holistic methods	29-30 Mar, 2015	BVRI, Bichpuri (Agra)	National
16	Influence of temperature and relative humidity regimes on aggressiveness of A_1 and A_2 mating types of <i>Phytophthora infestans</i>	Reinvigorating agricultural innovations for farmers empowerment and development	3-4 May, 2015	GKV Society, Agra	National
17	Biotechnology: A new era for Plant Pathology and Plant Protection	New challenges in biotechnology and molecular biology in the context of 21 st century	27-29 Feb, 2016	Indian Society of Genetics, Biotechnology Research and Development, Agra	International
18	Biological control: An environmental friendly tool of plant disease management	Agricultural and rural development for sustainable agriculture and all round welfare of rural community	11-12 Jun, 2016	GraminVikasA vamSikshaPr asarSamiti, Agra	National
19	Efficacy of antagonists on mycelium growth and carpogenic germination of sclerotia of <i>Sclerotinia sclerotioru</i>	National resources Management for sustainable agriculture	25 Oct, 2016	ATDS, Ghaziabad	National

	mon Indian mustard				
20	Efficacy of biocontrol agents against <i>Phytophthora infestans</i> on potato	Eco-Friendly Approaches for Plant Disease Management: Recent Trends and Opportunities	29-30 Dec, 2016	Indian Phytopathological Society, N Delhi	National

Courses attended by faculty to improve competency and update themselves for the benefit of students :

- **Refresher Course conducted by Aligarh Muslim University, Aligarh from Feb 27- March 20, 2015**
- **Refresher Course conducted by Indian Agricultural Research Institute, New Delhi from Sept. 24 – Oct 14, 2013**
- **Refresher Course conducted by Central Potato Research Institute, Simla July 8-28, 2014**

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**

36. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

STRENGTHS : a) We have experienced and competent faculty.
b) Faculty members are dedicated to their job.

WEAKNESSES : a) Quality of students is poor. Students are less exposed.

OPPORTUNITIES : a) Scope to grow in the action research to meet out the

agricultural needs of industry.
CHALLENGES : a) Growing competition – Private institutions are growing in Agra.
b) Declining percentage of quality of students.

ANNEXURE – 01

Detail of Publications

1. **Dr. Jhilmil Gupta**

1. Gupta, J. Management of Soil and Tuber Borne diseases of Potato. 2012. **Indian Research Journal of Genetics and Biotechnology.** 4(1) : 78-80.
ISSN/ISBN No. 2277-1913
2. Gupta, J. Mycoparasitic efficacy of Trichoderma species against Macrophomina Phaseolina on Potato in Agra region. 2013. **Indian Research Journal of Genetics and Biotechnology.** 5(3).
ISSN/ISBN No. 2277-1913
3. Gupta, J. Occurrence and economic losses of soil and tuber borne diseases of potato in India. 2014 **Science Phenomenon.** 2(1):54-57
ISSN/ISBN No. 2349-2597
4. Gupta, J. Mycoparasitism – An environmental friendly tool for plant disease management. 2016. **Journal of Scientific & Technological Research.** 6(1):38-42
ISSN/ISBN No. 2231-4709
5. Gupta, J. Efficacy of Biocontrol Agents against Phytophthora Infestans on Potato. 2016. **International Journal of Engineering Science and Computing.** 6(9):2249-2252
ISSN/ISBN No. 2321-3361
6. Gupta, J. Genetic Engineering of Potato for Disease and Pest Resistance : A Review. 2016. **Imperial Journal of Interdisciplinary Research (IJIR).** 2(11):248-253
ISSN/ISBN No. 2454-1362
7. Gupta, J. and Gupta, M. Environment Burning Issues. 2016. **Shrinkhla Ek Shodhparak Vaicharik Patrika.** IV(III):55-60. P:ISSN No. 2321-290X E:ISSN No. 2349-980X

Books Published

1. Computer Application published by Shri Krishna Publication, Agra
2. An Introduction to Plant Pathology published by Shri Krishna Publication, Agra

3. Evaluative Report of the Departments

DEPARTMENT OF M. Sc. GENETICS & PLANT BREEDING

1. Name of the Department : **M. Sc. GENETICS & PLANT BREEDING**
2. Year of Establishment : **PG : 1995**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **PG [M. Sc. (Ag.)]**
4. Names of Interdisciplinary courses and the departments/units involved : **Genetics, Cytogenetics, Plant Breeding,**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors*	---	---
Assistant Professors	02	01

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. P. K. Upadhyay	M. Sc. (Ag.), Ph.D.	Assistant Professor	Cytogenetics & Plant Breeding, Applied Physiology of Crop and Pathology	20	---

11. List of senior visiting faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **NIL**

13. Student -Teacher Ratio (programme wise) : **36 : 1**

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	01	01
Lab. Attendant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 01**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **NIL**

19. Publications : **Refer ANNEXURE - 02**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. P. K. Upadhyay	07	02
Total	07	02

* Number of papers published in peer reviewed journals (national / international) by faculty and students - **07**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**

* Monographs	- NIL
* Chapter in Books	- 02
* Books Edited	- 02
* Books with ISBN/ISSN numbers with details of publishers	- 02
* Citation Index	- YES
* SNIP	- NIL
* SJR	- NIL
* Impact factor	- NIL
* h-index	- NIL
20. Areas of consultancy and income generated	: NIL
21. Faculty as members in	
a) National committees	:
<u>Dr. P. K. Upadhyay</u>	
➤ Indian Society of Genetics, Biotechnology Research & Development	
➤ National Genetics & Biotechnology Mission	
➤ Indian Science Congree Association, Calcutta	
➤ The Indian Society of Genetics & Plant Breeding, New Delhi	
➤ Indian Botanical Society	
➤ The Indian Journal of Environment of Eco-Planning	
➤ Indian Council Agriculture Research Samiti	
➤ National Geographic	
b) International Committees	: NIL
c) Editorial Boards	:
<u>Dr. P. K. Upadhyay</u>	
➤ Indian Research Journal of Genetics & Biotechnology	
22. Student projects	
a) Percentage of students who have done in-house projects including inter departmental/programme	: --
b) Percentage of students placed for	: 10%

projects in organizations outside
the institution i.e.in Research laboratories/
Industry/ other agencies

23. Awards / Recognitions received by faculty and students :

Dr. P. K. Upadhyay

- **Emminent Scientist awarded, National Conference, January-2016, CSIR- NBRI, Lucknow**
- **All-India essay writing event 2010 organised by SRCM and United Nations commemoration of U.N. International year (Aug. 2010-2011)**
- **Agra Literacy Samiti (U.P. Govt.) Commendation Card by D.M. Agra**
- **Gregor Johann Mendel Award, international Conference- Feb-2015, Banasthali Vidhyapeeth**
- **Excellent Teacher and Researcher, International Conference- Feb.-2016, St. Johns College.**
- **Best Scientist/Professor Award, National Conference/March-2016 Monad University.**

24. List of eminent academicians and scientists/ visitors to the department :

1. **Professor R.B. Singh, Chancellor, Central Agriculture University, Imphal.**
2. **Professor R.K. Behl, Formar-Dean Hisar**
3. **Dr. Dhiraj Singh, Director, D.R.M.R., Sear, Bharatpur.**
4. **Prof. Prahlad Singh, C.S.A. university, Kanpur**
5. **Dr. D.P. Singh, Former V.C., J.N.K. V.V.**
6. **Prof. A.S. Tiwari, Former V.C., J.N.K.V.V.**
7. **Prof. C.B. Singh, Former – Dean, J.N.K.V.V.**
8. **Dr. Rajendra Kumar, D.G., UPCAR**
9. **Dr. S.C. Mudgal, Former V.C., G.B. Pant Agri. & Tech. University**
10. **Prof. Mahak Singh, C.S.A. U.N.T., Kanpur**
11. **Dr. Mahesh Srimall, Scientist R.A.I.R. Durgapura, Jaipur**
12. **Dr. Vipin Dwivedi, Asso. Prof., C.C.S.U., Meerut**
13. **Dr. Punit Kumar. D.D.M., NABARD**
14. **Col. Dr. G.S. Gill, Indian Army**

15. Wg. Cdr. R.C. Sharma, Indian Air Force

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - NIL

b) International - 02

Dr. P. K. Upadhyay

- 1st International Conference on “Emerging Trends in Biotechnology and Sciences with especial reference to Climatic Change” Banasthali Vidyapeeth, Jaipur
- International Conference on “New Challenges in Biotechnology and Molecular Biology in the Context of 21st Century” at St. John’s College, Agra

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Sc. (Ag.) Genetics and Plant Breeding	2016-17	68	18	17	01	
	2015-16	50	16	15	01	
	2014-15	90	18	18	00	
	2013-14	80	18	18	00	
	2012-13	100	20	20	00	

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	60%	40%	NIL
	2015-16	60%	40%	NIL
	2014-15	60%	40%	NIL
	2013-14	60%	40%	NIL
	2012-13	60%	40%	NIL

28. How many students have cleared national and state competitive examinations such as NET, **2** : **NET - 05**
: **Defence Services -**

SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	18%
PG to M.Phil.	NIL
PG to Ph.D.	
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	20%
· Other than campus recruitment	30%
Entrepreneurship/Self-employment	50%

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **NIL**
d) Laboratories : **03**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Special Lecture by Prof. Mahak Singh, CSA University, Kanpur**
- **Special Lecture by Prof. Mahak Singh, CSA University, Kanpur**
- **Special Lecture by Prof. C.B. Singh, Dean, JNKVV, Jabalpur**
- **Special Lecture by Prof. Mahesh Srimali, Scientist, RAIR. Durgapura, Jaipur**
- **Seminars/Workshops attended by faculty :**

Dr. P. K. Upadhyay

- **National Seminar on “Conservation, Cultivation and Sustainable Utilization of Medical and Herbal Plants” at R. B. S. College, Agra**
- **National Seminar on “Newer Horizons and Innovations in Biotechnology & Biosciences” at R. B. S. Engineering Technical Campus, Agra**

- National Seminar on “Impact of Population Growth on Agriculture and Rural Development” at BVRI, Agra
- National Seminar on “Women Empowerment During XII Five Year Plan Through Agricultural Mechanism” at CSAUA & T, Kanpur
- National Seminar on “Sustainable Agriculture Development through Biotechnological techniques and its impact on Food Security, Human Welfare & Climate” at Monad University, Hapur
- National Seminar on “Strategy to Drive Skill based Agriculture development forward for sustainability and Rural Employment” at BHU, Varanasi
- National Seminar on “Sustainable Rural Livelihood : Technological and Institutional Perspective” at Sher-e-Kashmir University of Agril.Sc. & Tech., Jammu
- National Seminar on “Recent Advances in Biomedical Research : Strategies and Innovation” at AIIMS, New Delhi
- National Seminar on “Current Initiatives in Higher Education” at Govt. Post Graduate College, Agra
- Courses attended by faculty to improve competency and update themselves for the benefit of students :

Dr. P. K. Upadhyay

- International Confence on “New Challenges in Biotechnology and Molecular Biololgy in the Context of 21st Century” at St. John’s College, Agra
- International Conference on “New Approaches in Biotechnology and Biosciences” at R. B. S. Engineering Technical Campus, Agra
- International Conference on “Indigenous Technologies for Sustainable Agriculture & Better Tommorow” at NBRI, Lucknow
- International Conference on “Emerging Trends in Biotechnology and Sciences with Especial reference to Climatic Change” at Banasthali Vidyapith, Jaipur
- International Conference on “Global IPR System and WTO Issues” at Ch. Charan Singh University, Meerut
- International Conference on “Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance” at M.D.U. Rohtak, Haryana
- UGC sponsored Orientation Programme/Refresher Course at Aligarh Muslim University, Aligarh from 13.03.2011 to 12.04.2012

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**
- **LCD**
- **Personal interaction**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Radio Talk

- **Parakhanali Mein Kheti (Test Tube Forestry), Akashvani, Agra**
- **Vraksha Mahatamya**
- **Mere Desh Ki Dharti (92.7 Big FM) – 48 episodes**
- **All India Radio (Kheti mein Jaivik Urvarkon ka Prayog)**
- **All India Radio (Milawati Dudh Ghee ki Pehchaan Kaise ho)**
- **All India Radio (Unnatsheel Beejo evam Kismo ke chayan mein savdhani)**
- **All India Radio (Beej utpadan takniki evam savdhani)**

TV Talk Programme

- **Krishi Varta (E-TV Uttar Pradesh Annadata Program)**
 1. **Bhindi Ke Kheti**
 2. **Wheat Production**
 3. **Lemon Diseases**

35. SWOC analysis of the department and Future plans

- STRENGTHS :**
- a) We have experienced and competent faculty.
 - b) Faculty members are dedicated to their job.

- WEAKNESSES :**
- a) Quality of students is poor. Students are less exposed.

- b) Students do not have good communication skills. They are poor in english communication.

- OPPORTUNITIES :**
- a) Scope to grow in the action research to meet out the agricultural needs of industry.

- CHALLENGES :**
- a) Growing competition – Private institutions are growing in Agra.

- b) Declining percentage of quality of students.

ANNEXURE – 01**Detail of Publications****1. Books Published by Dr. P. K. Upadhyay**

- **Seed Science and Technology** published by Kalyani Publishers, New Delhi
- **Technological Empowerment of Women at the Grass Roots** published by Nikhil Publishers & Distributers, Agra
ISBN No. : 978-93-82937-59-3

2. Journals Published by Dr. P. K. Upadhyay

- Sandeep Kumar, **P. K. Upadhyay**, Anand K. Gupta and Rohini Bansode, 2016. ***Soil enzymatic activity : A virtual tool for soil quality assessment.*** Biotech Express. Vol. 3
- Sandeep Kumar, **P. K. Upadhyay**, Rajkumar Dhakar and Rohini Bansode, 2016. ***Green Tax : Is it a sustainable option to mitigate air pollution.*** Biotech Express. Vol. 3
- Bhuri Singh and **P. K. Upadhyay**, 2016. ***Genetic Variability, Correlation and path Analysis in Wheat (Triticum aestivum L.).*** Indian Research Journal of Genetics and Biotechnology. Vol. 5
- **P. K. Upadhyay** and Bhuri Singh, 2016. ***Genetic Divergence Analysis in Wheat (Triticum aestivum L.).*** Indian Research Journal of Genetics and Biotechnology. Vol. 3
- Bhuri Singh, **P. K. Upadhyay** and K. C. Sharma, 2016. ***Genetic Variability, Correlation and Path Analysis in Pearl Millet (Pennisetum Glaucum (L) R. Br.).*** Indian Research Journal of Genetics and Biotechnology. Vol. 6
- Bhuri Singh, **P. K. Upadhyay**, S. K. Meena and K. C. Sharma, 2016. ***Combining Ability Analysis in Pearl Millet for Dual Purpose in Semi Arid Region of Rajasthan.*** Indian Research Journal of Genetics and Biotechnology. Vol. 6
- Meenu S. Sengar, Priyanshu Sharma and **P. K. Upadhyay**, 2016. ***Review Integration of Biotechnology with Conventional Crop Improvement.*** Indian Research Journal of Genetics and Biotechnology.

3. Evaluative Report of the Departments

DEPARTMENT OF M. Sc. AGRICULTURE ZOOLOGY & ENTOMOLOGY

1. Name of the Department : **M. Sc. AGRICULTURE ZOOLOGY & ENTOMOLOGY**
2. Year of Establishment : **PG : 1995**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **PG [M. Sc. (Ag.)]**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors*	---	---
Assistant Professors	02	01

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Shiv Kumar Singh	M. Sc. (Ag.), Ph.D.	Assistant Professor	Entomology	13	---

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **NIL**
13. Student -Teacher Ratio (programme wise) : **18 : 1**
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | 01 | 01 |
| Lab. Attendant | 01 | 01 |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Sc. (Ag.), Ph. D. - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **NIL**
19. Publications : **NIL**
- * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students : **NIL**
 - * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Monographs : **NIL**
 - * Chapter in Books : **NIL**
 - * Books Edited : **NIL**
 - * Books with ISBN/ISSN numbers with details of publishers : **NIL**

- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**
- 20. Areas of consultancy and income generated : **NIL**
- 21. Faculty as members in
 - a) National committees : **NIL**
 - b) International Committees : **NIL**
 - c) Editorial Boards : **NIL**
- 22. Student projects
 - a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **50%**
- 23. Awards / Recognitions received by faculty and students : **NIL**
- 24. List of eminent academicians and scientists/ visitors to the department : **NIL**
- 25. Seminars/ Conferences/Workshops organized & the source of funding
 - a) National - **NIL**
 - b) International - **NIL**
- 26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M Sc. (Ag.) Part - I	2016-17	39	18	17	01	
	2015-16					
	2014-15		18			
	2013-14		18			
	2012-13		18			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Sc. (Ag.) Part - I	2016-17	80%	20%	
	2015-16	80%	20%	
	2014-15	80%	20%	
	2013-14	80%	20%	
	2012-13	80%	20%	

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **NIL**

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **NIL**
d) Laboratories : **01**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Departmental Seminars**
- **Special Lecturers on regular basis**

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**
- **LCD**
- **Personal interaction**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

STRENGTHS : a) We have experienced and competent faculty.
b) Faculty members are dedicated to their job.

WEAKNESSES : a) Quality of students is poor. Students are less exposed.
b) Students do not have good communication skills. They are poor in english communication.

OPPORTUNITIES : a) Scope to grow in the action research to meet out the agricultural needs of industry.

CHALLENGES : a) Growing competition – Private institutions are growing in Agra.
b) Declining percentage of quality of students.

3. Evaluative Report of the Departments

DEPARTMENT OF ECONOMICS

1. Name of the Department : **ECONOMICS**
2. Year of Establishment : **1947**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)
PG (M. A.)
Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **1. Applied Business Economics
(Commerce)**

2. B.B.A.
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **1. Applied Business Economics
(Commerce)**

2. B.B.A.
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors *	---	05
Assistant Professors	7	02

* Assistant Professors are further promoted to Associate Professor.

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Anupam Goel	M. A., Ph.D.	Associate Professor	Micro & Macro Public Finance	40	0/10
Dr. Anju Jain	M. A., Ph.D.	Associate Professor	Micro & Macro Economics	26	3/3
Dr. Saumya Sharma	M. A., Ph.D.	Associate Professor	Demography	30	3/7
Shri Ravindra Kumar	M. A., M. Phil.	Assistant Professor	Agriculture	13	NIL
Dr. Pushpendra Singh	M. A., Ph.D.	Associate Professor	International Trade	25	3/5
Dr. Pratima Gupta	M. A., Ph.D.	Associate Professor	Macro Economics Public Finance	12	NIL
Dr. Kajal Bansal	M. A., Ph. D.	Mandai Lecturer	Indian Economic Policy	10	NIL

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : 1. **Dr. Bachchu Singh**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 12%**

13. Student -Teacher Ratio (programme wise) : **UG – 40 : 1**
PG – 12 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	--	--
Lab. Attendant	--	--

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. A., Ph. D. - 06
M. Phil. - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST;UGC, DBT, ICSSR, etc. and total **Economic** grants received : **1. UGC sponsored Project on "Indo-Bhutanese Relation" – 1995**
2. ICSSR sponsored Project on "Economics of Urban Labour" 1995
- Child**
18. Research Centre /facility recognized by the University : **Yes**
Dr. B. R. Amedkar
Agra
19. Publications : **Refer ANNEXURE - 02**
- * a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Anupam Goel	---	12
Dr. Anju Jain	03	03
Shri Ravindra Kumar	01	---
Dr. Pratima Gupta	08	---
Dr. Kajal Bansal	02	---
Total	14	15

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **14**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **08**
- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of : **03**

-
- | | | |
|---|----------------|-------|
| | publishers | |
| * | Citation Index | : NIL |
| * | SNIP | : NIL |
| * | SJR | : NIL |
| * | Impact factor | : NIL |
| * | h-index | : NIL |
20. Areas of consultancy and income generated : NIL
21. Faculty as members in
- a) National committees :
- 1. Dr. Anupam Goel**
- a) Life Member of IEA
- b) Convenor of Board of Studies
- c) Convenor, RDC
- 2. Pushpendra Singh**
- a) Programme Officer of NSS
- b) Member of Board of Studies, P.C. Bagla College, Hathras
- c) SVEEP Coordinator
- d) Rover's & Ranger's Committee
- e) Indian Economics Association (Life Membership)
- 3. Dr. Pratima Gupta**
- a) SVEEP Coordinator
- b) Executive Member, Uttar Pradesh-Uttarakhand Economic Association
- c) Life Member, Indian Economic Association
- d) Dr. B. R. Ambedkar University College Economic Association
- 4. Shri Ravindra Kumar**
- a) Dr. B. R. Ambedkar University College Economics Teachers
- b) International Committees :
- 1. Dr. Anju Jain**
- a) Editor, International Journal of Management Development
-

and Information Technology (2016-17)

c) Editorial Boards :

2. Dr. Pushpendra Singh

a) Member, Journal of Society and Politics

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **7%**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**

23. Awards / Recognitions received by faculty and students

1. Dr. Saumya Sharma :

- “Prof. Radha Kamal Mukherji Memorial Award for Young Social Scientist at the IXth Annual Session of ISSA held at Institute of Social Science, Agra University, Agra on 27th Feb., 1985”

2. Dr. Pushpendra Singh

- Attended and successfully completed NCC Pre-Commission Course at NCC Officers Training School, Kamptee from 24.07.2000 to 21.10.2000.

3. Dr. Pratima Gupta

- Selected as a SVEEP (Systematic Voters' Education & Electoral Participation) Coordinator, Mathura by the Election Commission of India.
- Received many appreciation certificates during 2013-20015 from District Magistrate, Mathura, General Manager, Mathura Refinery and Chief Election Officer, Uttar Pradesh
- State level award for significant, outstanding and innovative contribution during the Lok Sabha Election-2014 from the Hon'ble Governor of Uttar Pradesh on 25.01.2015 at Lucknow which includes Rs. 15,000 in cash and a memento and appreciation certificate.
- Received Appreciation Certificate for best stage decoration for Hindi Natya Mahotsava-2016 on 21-23 Oct., 2016 organised by Dayalbagh Educational Institute, Agra

24. List of eminent academicians and scientists/
visitors to the department

1. Prof. Ashok Mittal, AMU
2. Prof. M. L. Cheepa, Vice-Chancellor, Atal Vihari Bajpai
Hindi University, Bhopal (M.P.)
3. Dr. Ghanshyam Sharma, Firozabad
4. Dr. Sudhir Sharma, Gwalior
5. Prof. Anshuman Gupta, Petroleum University, Dehradun
6. Mr. Harshil Agarwal, Mumbai
7. Dr. S. S. S. Chauhan, Principal, Govt. Girls (PG) College,
Sirsaganj
8. Prof. Gyan Prakash, Indore
9. Dr. A. K. Singh
10. Dr. Ved Prakash Tripathi, Prof., Dr. B. R. Ambedkar
University, Agra
11. Dr. Ravikant

25. Seminars/ Conferences/Workshops organized & the source of
funding

- a) National - NIL
- b) International - NIL

Regularly organized Departmental Seminars on latest topics.

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	296	102	194	
	2015-16		335			
	2014-15		338			
	2013-14		399			
	2012-13		376			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. A. Part - I	2016-17	117	74	16	58	
	2015-16		69			
	2014-15		66			
	2013-14		67			
	2012-13		66			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**

29. Student progression

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	NIL
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	---
Employed	
· Campus selection	NIL
· Other than campus recruitment	100%
Entrepreneurship/Self-employment	10%

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
- b) Internet facilities for Staff & Students : **YES**
- c) Class rooms with ICT facility : **NO**
- d) Laboratories : **NIL**

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

Following activities were organized in the department to enrich and develop the students :

- **Workshop on “Inclusive Growth” (2015-16)**
- **Seminar on “Green Accounting” (2015-16)**
- **Panel Discussion on “Monetary Policy” (2015-16)**
- **Seminar on “Personality Development” (2015-16)**
- **Panel discussion on “Impact of Inflation” (2014)**
- **Students presentation on (2014-15) :**
 - (1) **Stagflation**
 - (2) **Current Monetary Policy**
 - (3) **Current Budget**

- Seminar on “Government’s Recent Schemes and Initiates for Higher Economic Growth of India” followed by the Group Discussion on “GST (2016-17)
- Drive to plant trees with the help of students and give the message on “Save environment and save the earth”
- Panel Discussion on “Waste Management” (2015)
- Seminar on “Time Saving Calendar”
- Practical exposure towards social responsibility to make them responsible citizen :
 - (1) Campaigning Anti-tobacco drive
 - (2) Campaigning Anti-polythene drive
 - (3) Training SOS auto drivers and their wives
 - (4) Organising Bhojnalaya to provide subsidized food
- Discussion on “Swachch Bharat Abhiyan” of PM Narendra Modi in 2014. Students were motivated to clean the classrooms and the College campus round the year.
- Courses attended by faculty to improve Competency :
 - 1. Dr. Anju Jain
 - Intellectual Property Right at Udaipur on 29.03.2010
 - Management Development Programme on Leadership, Udaipur on 22-23 January, 2010
 - Census of India 2011 : Analysis, Application and Importance held at Agra College, Agra in association with Directorate of Census Operation, U. P., Ministry of Home Affairs, New Delhi, India on 17.10.2014
 - 2. Dr. Saumya Sharma
 - Census of India 2011 : Analysis, Application and Importance held at Agra College, Agra in association with Directorate of Census Operation, U. P., Ministry of Home Affairs, New Delhi, India on 17.10.2014
 - 3. Dr. Pratima Gupta
 - Participated in National Integration Camp held at St. John’s College, Agra from 12-18 July 2011 as Programme Officer of NSS.

- Participated in the “Training of Trainers in Life Skills” organized by Rajiv Gandhi National Institute of Youth Development, Tamil Nadu at Literacy House, Lucknow from 25-29 April, 2011
- Participated in Trainig-cum-Awareness Workshop on “Assessment & Accreditation Way Forward” held at Dr. Ram Manohar Lohia National Law University, Lucknow on 15.12.2011 sponsored by NAAC, Bangalore.
- Participated in the Workshop on “Writing Research Paper” at Shri Guru Ram Rai (PG) College, Dehradun held on 27-28 October, 2012.
- Participated in Training of Trainers Workshop “Motivating Youth for Skill Building” organized by Tata Institute of Social Sciences (TISS), Mumbai at Agra College, Agra on 6-7 February, 2014.
- Attended a Workshop on “Methodology of Writing Research Paper” at National P.G. College, Lucknow on 05.10.2014
- Attended a Short Term Course on “Deprived Society Movement & Present Scenario” at Human Resource Development Centre, University of Lucknow from 8-14 September, 2015

6. Shri Ravindra Kumar

- Attended UGC sponsored Refresher Course in the year 2010

➤ Seminars/Conferences attended by faculty :

1. Dr. Anju Jain

- Participated and presented a paper on “Happiness and Rural Tourism” in International Conference organized by HIMCS, Mathura on the theme “Happiness February 2010”
- Presented a paper on “Community well being : Rural Tourism” in International Conference held at Srilanka from 22-23 July, 2011
- 7th Doctoral Conference on “Current Trends in Management and Information Technology” at HIMCS, Farah (Mathura) from 29-30 July 2016
- Seminar on “Government’s Recent Schemes and Initiatives” in R. B. S. College, Agra pm 23.08.2016

Seminar on “Time Saving Calendar” in R. B. S. College, Agra on 14.12.2016

2. Dr. Saumya Sharma

- **Special National Convention on “Globalization : Opportunities and Challenges” organized by Indian Economic Association at Ess Ess College of Education, Dayalbagh, Agra on 23.12.2015**

3. Dr. Pushpendra Singh

- **Participated in National Seminar on “Education and Women Empowerment” at AIFUCTO’s XXI Statutory Conference held at Revindralaya, Lucknow on 09.11.2011**

4. Dr. Pratima Gupta

- **“Work Ethics & Ethics in work- A study of Indian Classical Values” Organized by Agra College, Agra On 16-17 Jan., 2011.**
- **“Global Financial Crisis Implication for India & Agriculture” organized by D.S.college, Aligarh on 25-26Feb., 2011.**
- **“Free Trade Agreements in South Asia- A Study of India & SAFTA (International Conference)” organized by Dayal Bagh Educational Institute, Agra on 12-13 Nov, 2011.**
- **“Inclusive Growth in India – An Exclusive Vision & Strategy for the 12th Five year plan” organized by Bharti Vidyapath, Pune on 27-29 Dec., 2011.**
- **“Irrigation in India Challenges & Way forward” organized by Agra College, Agra on 11-12 Feb., 2012.**
- **“Transforming Indian Agriculture to ensure food security (International Seminar)” organized by D.S.College, Aligarh on 25-26 Aug., 2012.**
- **“Economic Growth & Employment Linkages in India” organized GITAM University Visakhapatnam on 27-29 Dec., 2012.**
- **“Human Development: A matter of Concern for inclusive growth (International Seminar)” organized by RCA College, Mathura on 12-14 Feb., 2013.**
- **“Quality of Higher Education in India : Problems & Remedies” organized by Dr. B.R. Ambedka University Economics Teachers' Welfare Association Agra on 15-16 Feb., 2013**
- **“Climate Change, Sustainable Development & India” organized by National PG College, Lucknow on 5-7 Oct., 2014.**

- “Economics of Poverty Alleviation & Sustainable growth- A Case study of Indian Middle Class” organized by Mohanlal Sukhad University Udaipur (Raj.) on 27-19 Dec., 2014
- “Work Ethics & Ethics- In-work Gandhian Values in Present Context organized by K.R. (PG) College Mathura on 12-13 March, 2015.
- “भारत में गरीबी निवारण में बैंकों की भूमिका” organized by D. S. College, Aligarh on 19-20 September, 2015
- “Financial Inclusion Reforms for Inclusive Growth organized by S.R.K. (PG) College, Firozabad on 12-13 Dec., 2015.
- “Challenges for Success of Goods & Services Tax (GST) in India organized by Venkateshwara University, Tirupat Andhrapradesh on 27-29 Dec., 2016.

5. Shri Ravindra Kumar

- Attended a Conference on “Alternative Paradigm of Planning Commission” on 03.03.2015

6. Dr. Kajal Bansal

- 4th Annual Conference on Challenge of Developing Countries in 21st Century on 22-23 Feb, 2014 at St. John’s College, Agra
- A Workshop on Census of India 2011 : Analysis, Application and Importance in 2014 at Agra College, Agra
- 7th Doctoral Conference on Current Trends in Management and Information Technology on 29-30 July, 2016 in Hindustan Institute of Management and Computer Science, Mathura
- A Seminar on “Government’s Scheme and Initiatives” in RBS College, Agra on 23.08.2016
- A Seminar on “Time Saving Calendar” in RBS College, Agra on 14.12.2016

33. Teaching methods adopted to improve student learning :

- Classroom studies
- Seminars/Workshops
- Panel Discussions
- Field Exposure

34. Participation in Institutional Social Responsibility (ISR) and Extension

activities

1. Initiated LTA (Lapka to AAPka) Project on 15th August 2014 at Agra Cantt Railway Station and then SOS (Soldiers of Society) Project on 15th August 2015 at Raja Ki Mandi Railway Station and Agra Fort Railway Station with the following objects :
 - To make Agra a tourist friendly place by imparting training to auto drivers. Auto drivers are the brand ambassador of the city. This will further boost tourism and hence the economy of the Agra.
 - To enhance the quality of life and economic status of the auto drivers.
 - To make them social responsible citizen.
2. Initiated Anti-tobacco drive in 2015. An ayurvedic pan masala was prepared as a substitute of tobacco pan masala, named as “Vikalp”. As a result of this drive more than thousand people have quit eating pan masala.
3. Initiated “Oxygen Temple” project to protect the environment and convey the importance of trees and oxygen. In this drive trees were planted and citizens of Agra were motivated to adopt at least one tree. As result more the 100 trees were planted during the monsoon season in 2016.
4. Initiated a project “My Kitchen My Health” in the year 2017. Objectives of the project were :
 - To grow vegetable at home
 - To make people aware of the negative effect of the pesticides.
 - To develop a community living.
 - To develop the team of environmental engineers (Maali).
5. Initiated “Annapurna” project in 2015 with the objective to utilize the surplus food of kitchen for needy by installing fridges in different apartments or colonies.
6. Initiated “Annapurna Project B (Bhojnalaya)” in 2016 to provide subsidized food to BPL (Below Poverty Line).
7. Lectures and talks delivered by faculty :

1. Dr. Anju Jain

- Delivered talk on “Waste Management” at SOS meeting, Raja Ki Mandi Railway Station, Agra on 01.04.2016
- Participated in Panel Discussion on the “Importance of Plantation and Environment” and launched the social project of oxygen temple on 06.05.2016
- Participated in Panel Discussion on “Demographic Dividend” at HIMCS, Mathura on 20.03.2015
- Participated in “Save Water Campaign” on 04.06.2016
- Planted 15 trees along with SOS team at Surya Nagar temple ground and delivered talk on importance of trees on 13.07.2016
- Participated in Panel Discussion on Doctoral Conference held on 29-30 July, 2016.
- Lecture on the Importance of Hatt for BPL on Deepawali Festival on 26.10.2016 in association with HIMCS and SOS

2. Dr. Pratima Gupta

- Delivered Lecture on the theme "Dr. Ambedkar & his Economic Vision" at Baba Saheb Dr. Ambedkar Study & Research Centre, D.S. College, Aligarh on 17 March, 2012.
- Participated as a Resource person in the deliberations & discussions of National Conference on the "Promotion of Ethics & Human" at Agra College, Agra on 16th Jan. 2011.
- Delivered a Lecture in one day seminar on NSS Programme for B. Tech. students on May 6, 2014 at Maharaja Agrasen Institute of Technology, Delhi.
- Delivered a Lecture as a SVEEP Coordinator on "Voter Awareness" Programme on 12 Nov. 2014 organized by R.C.A. (PG) College, Mathura.
- Member of Advisory_ Committee of National Seminar Sponsored by UP Govt. at KR (PG) College, Mathura on 12th & 13th March, 2015.
- Delivered Invited Talk on 'Demonetization • Myths & Realities' on 22nd December, 2016 at Dayalbagh Educational Institute, Agra

- Delivered a Lecture on Stress Management & Youth in a training programme organized by Nehru Yuva Kendra Agra at Youth Hostel, Agra on 30-11-012 under Life Skill Workshop.
- Delivered a Lecture on Stress Management & Youth in a training programme organized by N. Agra at Rajiv Gandhi Training Institute, Sikandra, Agra on 18th Dec. 2012.
- Resource person for training of NSS Programme Officers at Empanelled Training Institute (ETI), An approved training institute for NSS PO's Accredited & sponsored by the Ministry of Youth Affairs, Skill Development & Entrepreneurship, Government of India during the session 2013-14 & 2014-2015 at St. John's College, Agra & Lucknow University, Lucknow & delivered 62 (Sixty two) lectures on Leadership & Personality Development & Presentation — Action Plan for NSS.
- Attended 7th Doctoral Conference on 'Current Trends in Management & Information Technology' on 29th -30th July 2016 & imparted Valuable insights & inspirations to research scholars & teachers.
- Delivered a Lecture on "Leadership & Personality Development" in National Integration Camp for NSS Volunteers by the Ministry of Youth Affairs, Skill Development & Entrepreneurship, Govt. of India at MPS College Agra on from 13th June — 19th June 2016.

35. SWOC analysis of the department and Future plans

- STRENGTHS :**
- a) We have experienced faculty. 90 % of faculty have research experience. Our average experience length is 19.6 years
 - b) We have competent faculty.
 - c) Faculty members are dedicated to their job.
 - d) There is cohesiveness among the faculty members.
 - e) Participatory management through various committee.

- WEAKNESSES :**
- f) Department is socially sensitive and therefore take initiatives for the betterment of the society and also for the enrichment of the students.
 - g) All the faculty members are the member of one or the other committee of the College and actively participate in different activities of the College.
 - a) Quality of students is poor. Students are less exposed and are generally from the rural background.
 - b) Students do not have good communication skills.
 - c) Poor Infrastructural and Modern Teaching aids
 - d) No industry interface
- OPPORTUNITIES :**
- e) Irregular session due to late results.
 - a) Scope to grow in the action research to meet out the economic needs of industry and society of Agra city.
 - b) To design the intervention for boosting economy of Agra.
 - c) To introduce vocational courses in the department for generating employment opportunities.
 - d) Industrial Tours may be introduced.
- CHALLENGES :**
- a) Growing competition – Private institutions are growing in Agra. They also have many financial top-up courses.
 - b) Declining percentage of quality of students.
 - c) Number of urban students are declining.

Future Plan :

1. Use of Modern teaching aids viz. Slide projectors, LCD Projectors with audio visual facility
2. Plans to open few career oriented courses like :
 - * Diploma Course in IBM
 - * Retail Management Course
 - * Shelf Management in Malls
 - * Establish/organize entrepreneurship lab for students to discuss business plans.

ANNEXURE – 01**List of Ph. D. Scholars**1. **Dr. Anju Jain**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Pushpendra Singh	Panchayati Raj Vyavastha evam Mahila Sanskritikaran (Agra Zila Ke Vishesh Sambandh Me)	Awarded
2	Kavita Singh	Impact of GATS (WTO) in India	Awarded
3	Nidhi Agarwal	Fiscal Position of the States of India since 1991	Awarded

2 **Dr. Saumya Sharma**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Aparna Porwal	Human Resource Development and Training in Life Insurance Corporation of India (With special reference to North-Central Zone, Kanpur)	Awarded
2	Kavita Goel	An Analytical Study of Pharmaceutical Industry of India under Patent Regime	Awarded
3	Neelam Chahar	The Workers of Agra and Implementation of Labour Laws	Awarded

2 **Dr. Pushpendra Singh**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Anita Gupta	A Study of Regional Imbalances in Employment and Cost of Living of Agricultural Labours in UP	Awarded
2	Yogita	बुलन्दशहर जनपद के आर्थिक विकास का विश्लेषणात्मक अध्ययन (1961-2007)	Awarded
3	Ashish Dabral	Reforms on the working and potentials of Textile Industry of Uttar Pradesh	Awarded

ANNEXURE – 02**Detail of Publications**1. **Dr. Anju Jain**

Sl. No	Article	Name of Journal
1	Non-price Measures for promoting exports	International Journal of Management Development and Information Technology. Vol. 9, Dec. 2011
2	World Trade Organizations : Its basic tenets and Contradictions with Regionalism.	International Journal of Management Development and Information Technology. Vol. 10, Dec. 2012
3	Extractive Sector in Africa : An Analysis of Indian Cooperation	International Journal of Management Development and Information Technology. Vol. 10, Dec. 2012

Sl. No	Name of Book	Publisher
1	Macro Economics	Navyug Sahitya Sadan Publishers, Agra
2	Micro Arthashastra Ke Siddhanta	Navyug Sahitya Sadan Publishers, Agra
3	Vyavasaik Arthashastra	Navyug Sahitya Sadan Publishers, Agra

2. **Shri Ravindra Kumar**

“Role of NABARD in Rural Development” – The Horizon : A Journal of Social Welfare – No 1/2011 Vol. II Jan 2011

3. **Dr. Pratima Gupta**

Sl. No	Article	Name of Journal	ISSN/ISBN No.
1	Inclusive Growth in India – An Exclusive Vision & Strategy for the XII five year plan.	Indian Economic Journal	ISSN-0019-462
2	Poverty Alleviation through Public Distribution System (PDS) (Chapter in Book)	Title of Book – Economic Liberalization & Poverty Alleviation in India	ISBN-978-93-8075-46-4

3	An approach towards self-reliance & sustainability of the Self Help Group (SHG)	UPUEA Economic Journal	ISBN-0975-2382
4	Climate Change, Sustainable Development & India	UPUEA Economic Journal	ISSN-0975-2382
5	SWOT Analysis of Foreign Direct Investment (FDI) in Indian Retail Market	UPUEA Economic Journal	ISSN-95-2382
6	Financial Inclusion Reforms for Inclusive Growth	Proceeding of National Seminar sponsored by UGC	ISBN-978-93-5254-260-4
7	MGNREGA Empowered Woman & Poverty Reduction	UPUEA Economic Journal	ISSN-0975-2382
8	Challenges for the Success of Goods Services Tax (GST) in India	The Indian Economic Journal	ISSN-0019-4662

1. **Dr. Kajal Bansal**

Sl. No	Article	Name of Journal	ISSN/ISBN No.
1	Role of Indian Women in Agricultural Sector	Humanities and Social Science Interdisciplinary Approach	ISSN-0975-7090
2	An Analytical Study of SAARC	Humanities and Social Science Interdisciplinary Approach	ISSN-0975

3. Evaluative Report of the Departments

DEPARTMENT OF GEOGRAPHY

1. Name of the Department : **GEOGRAPHY**
2. Year of Establishment : **UG – 1949**
PG - 1951
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)**
PG (M. A.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **1. Botany 3. Statistics**
2. Zoology 4. Economics
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	04
Assistant Professors	06	02

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Anupama Singh	M. A., JRF, Ph. D.	Associate Professor	Political Geography & Urban Geography	21	3/4
Dr. Om Hari Arya	M. A., NET, Ph. D.	Assistant Professor		17	---
Dr. Avinash Kumar Singh	M. A., Ph. D.	Associate Professor	Environment al Geography	13	---
Dr. Piyush Arora	M. A., Ph. D.	Associate Professor	Industrial Geography	13	---
Shri Prem Shankar Tiwari	M. A., NET, M. Phil.	Associate Professor	Environment al Geography	13	---
Dr. Rakhi	M. A., Ph. D.	Assistant Professor (Mandai)	Regional & Urban Geography	13	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 16%**
Practical – 16%
13. Student -Teacher Ratio (programme wise) : **UG – 40 : 1**
PG – 10 : 1
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | 01 | --- |
| Lab. Attendant | 01 | --- |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. A., Ph. D. - 05**
M. A., M. Phil. - 01

16. Number of faculty with completed project from : **01**
 a) National b) International funding agencies **Dr. Chandra Bhan**
 and grants received

Major Project : “Evolution of Badland and Strategies of their
 Stabilization, Reclamation & Utilization : A case study
 of Agra District.”
April 2002 to March 2005, UGC Funded

17. Departmental projects funded by DST - FIST; : **NIL**
 UGC, DBT, ICSSR, etc. and total grants received

18. Research Centre /facility recognized by the : **Yes**
 University **Dr. B. R. Amedkar**
University,
Agra

19. Publications : **Refer ANNEXURE - 02**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Anupama Singh	-	-
Dr. Om Hari Arya	3	---
Dr. Avinash Kukar Singh	2	---
Dr. Piyush Arora	4	1
Shri P. S. Tiwari	3	2
Total	12	03

- * Number of papers published in peer reviewed journals
 (national / international) by faculty and students -
- * Number of publications listed in International Database - **NIL**
 (For Eg: Web of Science, Scopus, Humanities
 International Complete, Dare Database - International
 Social Sciences Directory, EBSCO host, etc.)
- * Monographs - **NIL**
- * Chapter in Books - **NIL**
- * Books Edited - **NIL**
- * Books with ISBN/ISSN numbers with details of publishers - **03**
- * Citation Index - **nil**
- * SNIP - **nil**

- * SJR - YES
- * Impact factor - YES
- * h-index - no
20. Subject expert : **Sh. P.S. Tiwari, Asso. Prof.,
Subject Expert of Earth
and Geography volume ,
which is the part of major
project “ Hindi
Encyclopedia” , Central
Institute of Hindi, MHRD ,
New Delhi**
21. Faculty as members in
- a) National committees : **Dr. Anupama Singh :**
**1. PG Syllabus Committee of
Dr. B. R. Ambedkar
University, Agra.**
**2. Member of Definitional
Directory of Terminology in
Geography of CSTT, New
Delhi**
- b) International Committees : **NIL**
- c) 1 : Editorial Boards : **Dr. Anupama Singh**
1. Asian Resonance, Kanpur 2. Periodic Research, Kanpur
2. Member ; 1: Dr. Anupama Singh – NAGI
2. P.S. Tiwari - NAGI
**3. Post Graduate Geographical Society, Department of Geography,
RBS College, Agra**
 a) President – Dr. Anupama Singh
 b) Secretary – Dr. Piyush Arora
 c) Treasurer – Shri P. S. Tiwari
 d) Member – Dr. Om Hari Arya
 Dr. Avinash Kumar Singh
 Dr. Rakhi

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **5 %**

23. Awards / Recognitions received by faculty and students

- **Dr. Avinash Kumar Singh :- FNRS Fellow of Natural Resource**

24. List of eminent academicians and scientists/ visitors to the department
- 1. Dr. Prithvish Nag**
Ex/Retd. Surveyor General of India
 - 2. Dr. Rajendra Prasad**
NATMO, Kolkata
 - 3. Dr. Chandra Bhan**
 - 4. Dr. B. L. Sharma**
 - 5. Dr. Sudha Saxena**
 - 6. Dr. Rohan Singh**
 - 7. Dr K. C. Agarwal**
 - 8. Late (Dr.) R. R. Mohitra**
 - 9. Dr. Avinish Kumar Singh**
 - 10. Dr. B. B. L. Sharma,**
Jodhpur

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National - **NIL**
- b) International - **NIL**

Regularly organized Departmental Seminars on latest topics.
Population growth, Low sex ratio in India, Climate Change,
Environmental problems etc.

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	181	90	91	
	2015-16		200			
	2014-15		242			
	2013-14		264			
	2012-13		249			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. A. Part - I	2016-17	51	35	16	19	
	2015-16	65	51			
	2014-15	40	22			
	2013-14	50	33			
	2012-13	65	50			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **NET -3**
JRF -1

Placement

1. Vikas Sunar – TGT Teacher – Kendriya Vidhyalaya
2. Dharmendra Sharma – Investigator, TCPO, Urban Development Ministry, Govt. of India
3. Ratan Chandra Paul – Assistant Professor of Geography, Siliguri Mahila Mahavidhyalaya, West Bengal
4. Naveen Kumar – GIS Digitiser, Scottish Govt., Scotland (UK)
5. Shashi Kant Sharma, GIS Engineer, HARSAC, Govt. of Haryana

29. Student progression

Student progression	Against % enrolled
UG to PG	15%
PG to M.Phil.	NIL
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	.
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities

- | | |
|---|-----------------------------------|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : Yes |
| c) Class rooms with ICT facility | : Yes |
| d) Laboratories | : Yes (02) |

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Special Lectures on regular basis.**
- **Three types of field study tours :-**
 - (a) **Field Tour : Field tour is especially organized by staff to explore geographical awareness in India for the students.**
 - (b) **Socio-economic survey camp**
 - (c) **Village survey camp**
 - (d) **Seminars and Workshops attended by faculty :**

1. **Dr. Anupama Singh**

- Participated in the National Seminar on “Conservation, Cultivation and Utilization of Medicinal Plants” organized by R. B. S. College, Agra on 26-27, February, 2011
- Participated and Co-Chaired in the Technical Session on “Urban Society, Economy & Geography” on 03.11.2012 in the XXXIV Indian Geography Congress, National Association of Geographers, India (NAGI) on 2-7 November, 2012 at Patna University, Patna.
- Participated in UGC sponsored National Workshop on “Application of Remote Sensing and GIS in Geographical Studies” on 26-27 September, 2013 organized by Dept. of Geography, Patna Women’s College, Patna University.
- Participated in the Seminar on “Role of CSTUP in Promotion of Science and Technology and Facilitation of IPR Protection” organized by Dept. of Zoology, R. B. S. College, Agra on 22.02.2015
- Participated in National Seminar on “New Frontiers in Organic

Farming for Sustainable Development of Indian Agriculture” organized by the Dept. of Botany, R. B. S. College, Agra on 14-15 March, 2015

2. Dr. Om Hari Arya

- Participated in the National Seminar on “Environmental Education for Save the Earch” organized by Kunwar Educational Society for Research & Development, Agra on 26-27 June, 2010
- Participated in Workshop on “Bhugol Vishay Ke Anusandhan Karuya mein Hindi Ki Bhumika” organized by Kanhaiya Lal Munshi Hindi tatha Bhasha Vigyan Vidhyapeeth, Dr. B. R. Ambedkar University, Agra evam Kendriya Hindi Sansthan, Agra

3. Dr. Avinash Kumar Singh

- Participated in the National Seminar on “Mental Health & Well-being : Recent Trends & Intervention” organized by Dept. of Psychology, Agra College, Agra on 6-7 February, 2012
- Participated in Seminar on “Teacher Empowerment & Educational Excellence Vision-2020” organized by R. B. S. College, Agra on 19.12.2010

4. Dr. Piyush Arora

- Participated in UGC sponsored Seminar on “Natural Resource Management Policy & Planning” organized by National PG College, Bhogaon, Mainpuri
- Participated in UGC sponsored National Seminar on “भारत में ग्रामीण विकास की आवश्यकता के प्रभाव का मूल्यांकन” at Govt. PG College, Khair, Aligarh
- Participated in National Seminar on “Democratic System and Decentralized Planning of Village Strength, Village Panchayat” at Govt. PG College, Khair, Aligarh

5. Prof. P. S. Tiwari

- Participated in the National Seminar on “Conservation, Cultivation and Utilization of Medicinal Plants” organized by R. B. S. College, Agra on 26-27, February, 2011
- Participated in Workshop and Training Programme on “Census of India 2011 : Analysis, Application and Importance” held at Agra College, Agra on 17.10.2014
- Participated in the Seminar on “Role of CSTUP in Promotion of Science and Technology and Facilitation of IPR Protection”

organized by Dept. of Zoology, R. B. S. College, Agra on 22.02.2015

- Participated in National Seminar on “New Frontiers in Organic Farming for Sustainable Development of Indian Agriculture” organized by the Dept. of Botany, R. B. S. College, Agra on 14-15 March, 2015
- Participated in the “Editing Workshop on Earth and Geography” held at Central Institute of Hindi, New Delhi on 6-12 April, 2015
- Participated in International Seminar on “Globalization and Human Security : Issue & Challenges” held at Sri Varshneya College, Aligarh on 21-22 November, 2015 and presented a paper on “Impact of Globalization in India”
- Participated in the UP Political Science Association 19th Convention and National Seminar on “Rising India : Domestic & External Opportunities and Challenges” held at Dept. of Political Science, Agra College, Agra on 4-6 December, 2015 and presented a paper on “India’s Rise as a Global Power : Role of Geographical Factors”

- **Courses attended by faculty to improve competency and update themselves for the benefit of students :**

Dr. Anupama Singh

- Participated in the National Conference on “Land, Water & Renewable Energy for Sustainable Development” on 20-21 March, 2015 organized by Dept. of Geography, St. John’s College, Agra on 20-21 March, 2015 and presented a paper on “Watershed Planning and Management (Bushpura Micro Watershed)”

Dr. Om Hari Arya

- Participated in UGC sponsored Refresher Course in Geography at Aligarh Muslim University from 14.10.2010 to 03.11.2010.
- Participated in UGC sponsored Refresher Course in Geography at Aligarh Muslim University from 6.12.16 to 27.12.16

Dr. Avinash Kumar Singh

- Participated in UGC sponsored Refresher Course in Geography at Aligarh Muslim University from 20.01.2011 to 10.02.2010

Dr. Piyush Arora

- Participated in UGC sponsored Refresher Course in Geography at Aligarh Muslim University from 09.05.2013 to 29.05.2013
- Participated in UGC sponsored Refresher Course in Geography at University of Rajasthan, Jaipur from 03.03.2014 to 22.03.2014

Prof. P.S.Tiwari

- Participated in UGC sponsored Refresher Course in Geography at Aligarh Muslim University from 31.03.2012 to 21.02.2012
- Participated in UGC sponsored Refresher Course in Geography at Jamia Milia Islannia, New Delhi from 22.01.2013 to 13.02.2013
- Participated in the National Conference on “Land, Water & Renewable Energy for Sustainable Development” on 20-21 March, 2015 organized by Dept. of Geography, St. John’s College, Agra on 20-21 March, 2015 and presented a paper on “Renewable energy production in India”.
- Participated in International Conference on “How to understand and Coexist with Radical Islam” held at R.C.A. Girl’s PG College, Mathura on 18-20 November, 2015 and presented a paper on “Sufism and Islam”
- Participated in UGC sponsored summer school in Human Rights at HRDC-Aligarh Muslim University from 24th May 2016 to 13 June 2016.
- Participated in UGC sponsored one week STC on Innovative teaching at HRDC Lucknow University, Lucknow from 11 July to 17 July 2016

33. Teaching methods adopted to improve student learning :

- **ICT based**
- **Guest Lectures**
- **Questionnaire based survey**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Students go to villages in Agra and various parts of country and make them aware of environment, soil erosion, water management, socio cultural studies, human settlement.**

35. SWOC analysis of the department and Future plans

STRENGTHS : a) Qualified and committed Faculty
b) harmony in the Department.
c) Well equipped Library
d) Well equipped Laboratory with models,
instruments
e) ICT facilities
f) Student - teacher friendly relation and interaction
with emphasis on the subject knowledge and moral values.

WEAKNESSES : a) Quality of students is poor
b) Institutional Alliance with relevant companies,
organization is required for enhancing students
placement.
c) Skill inculcation in students is imperative.
d) Syllabus revision is required.

OPPORTUNITIES : a) Govt. Sector as regional development expert and
cartographer
b) NGO'S
c) Remote sensing and GIS expert
d) Environmental and Town Planning

CHALLENGES : a) GIS lab. Is required with trained staff.

FUTURE PLAN :

(1) We have future plans to organize Seminars & In house Projects to
give students latest updates and enhance knowledge.

(2) Plan to start Programme GIS application and remote sensing.

ANNEXURE – 01**List of Ph. D. Scholars****1. Dr. Anupama Singh**

Sl. No.	Name of Scholar	Title of Topic	Position
1	Nidhi Khanna	Study of Environmental Map Design with special reference to colour use	Awarded
2	Sunita Kalra	Urbanization and Landuse Pattern in Towns of Rewari and its Impact on Socio-economic Devevelopment (1971-2001) – A case study of Rewari District	Awarded
3	Om Hari Arya	Mainpuri Jila (UP) ka Gramin Audhyokikaran evam Gram Vikas : Ek Bhaugolik Adhyayan	Awarded

ANNEXURE – 02**Detail of Publications****1. Dr. Om Hari Arya**

Sl. No	Article	Name of Journal
1	Bhoomandaliya Taapan Ka Vaishvik Prabhav : Ek Bhaugolik Adhyayan	Deliberation Research
2	Gramin Vikas Ke Pariprekshya mein Krishi ka Adhunikaran (Janpad Agra ke vishesh sandarbh mein)	Humanities & Social Science : Interdisciplinary Approach ISSN : 0975-7090
3	Disaster Management	Journal of Scientific & Technological Research ISSN : 2231-4709

2. Dr. Avinash Kumar Singh

Sl. No	Article	Name of Journal
1	Concentration of Ari Pollutants in Varanasi City and its impact on Microflora	Humanities & Social Science : Interdisciplinary Approach
2	Noise Pollution : A Gift of Technological Development	Journal of Scientific & Technological Research

3. Dr. Piyush Arora

Sl. No	Article	Name of Journal
1	Water Scarcity and Water Problems in Agra District	Charmanvat : Bhugol Shodh Patrika
2	Green House effect and global warning	India's Message in Durban Research Journal of Social Sciences
3	Natural Disasters and Environmental Issues	India's Message in Durban Research Journal of Social Sciences
4	Water Quality Assessment & Water Pollution : Its effect on Human Health	Charmanvat : Bhugol Shodh Patrika

4. **Dr. Piyush Arora**

Sl. No	Name of Book	Name of Publisher & ISBN No.
1	Geomorphology	Lakshmi Narayan Agarwal, Agra ISBN : 978-81-89770-98-3

5. **Shri Prem Shankar Tiwari**

Sl. No	Article	Name of Journal
1	Quality of Air in the Agra City	Indian Streams Research Journal, sept. 2013, ISSN 22307850
2	Solar Energy Potential in India	Asian Resonance, Jan 2016, vol 5, issue 1 ,ISSN - 09768602
3	Impact of odd-even scheme on air quality of Delhi	Periodic Research, Feb-2016, vol1, Issue 3 ,ISSN- 22310045

6. **Shri Prem Shankar Tiwari**

Sl. No	Name of Book	Name of Publisher & ISBN No.
1	Krishi Mausim Vigyan, 2012	Shri Krishna Publishers, Agra ,ISBN -9788191082067
2	Air Quality in Delhi Metropolitan City : A spatio-temporal Analysis, 2016	Laxmi Book Publisher, Solapur ISBN : 978-1-329-95023-8

3. Evaluative Report of the Departments

DEPARTMENT OF ENGLISH

1. Name of the Department : **ENGLISH**
2. Year of Establishment : **UG – 1940**
PG - 1948
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)**
PG (M. A.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **1. Dept. of Psychology**
Lecture on Clinical
Psychology by Dr.
S. K. Misra
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts : **06**

	Sanctioned	Filled
Professors	---	---
Associate Professors *	---	03
Assistant Professors	06	01

* Assistant Professors are further promoted to Associate Professor.

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Anil Kumar Singh	M. A., Ph.D.	Associate Professor	British Literature	28+	18
Dr. Sanjay Kumar Misra	M. A., Ph.D., NET	Associate Professor	Post tutorial Studies Indian Writing in English	19	01/01
Dr. Rashmi Shandilya	M. A., Ph.D., D.Lit.	Associate Professor	Indian Writing in English	18	---
Dr. Digvijay Singh	M. A., Ph.D.	Assistant Professor	English Fiction	06	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : Dr. R. P. Tewari,
Dr. N.R. Smith,
Dr. R.N. Singh,
Dr. Maya Shrivastava,
Dr. Chanda Singh

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise) : UG – 30:1
PG – 15 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	--	--
Lab. Attendant	--	--

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : M. A., Ph. D. - 04
D. Litt. – 01, NET - 01

16. Number of faculty with ongoing projects from : **NIL**
a) National b) International funding agencies
and grants received
17. Departmental projects funded by : **NIL**
DST - FIST;UGC, DBT, ICSSR, etc. and total
grants received
18. Research Centre /facility recognized by the : **Yes**
University **Dr. B. R. Ambedkar**
University, **Agra**
19. Publications :
- * a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Anil Kumar Singh	05	---
Dr. Sanjay Kumar Misra	01	---
Dr. Rashmi Shandilya	01	---
Total	07	---

- * Number of papers published in peer : **07**
reviewed journals (national /
international) by faculty and students

1. Dr. A.K. Singh

“Where Literature Speaks History: Unearthing Secrets in *Ice Candy Man*”, The Indian Journal of English Studies (Association For English Studies Of India) , Vol. LIII , 2016.

“Introducing Shakespeare”, Creative Writing And Criticism(An International Biannual Journal of English Studies), Sikandrabad, Vol. XVII, No.2 October 2016.ISSN 0975-2390.

“Reading A Fresh Interpretation of Human Environment In R.P. Singh’s Plays”, IRFA’s Uniresearch (Multidisciplinary International E-Research Journal , Vol VII , Issue VI December 2016. ISSN: 2321-4953.Impact Factor[GIF] 0.234[2013],[CIF] 3.020(2015).

“Botheration, No Consideration”(Poem), Impressions(A Bi-Annual Refereed e-Journal of English Studies), Meerut/Ghaziabad, Vol. XI, Issue I Jan 2017.ISSN 0974-892X.

“R.P. Singh’s *Flea Market and Other Plays* : Reasserting Humanism”, Cenacle (A Peer Reviewed Annual Journal of English), Nagpur, Vol 1 No.7 Jan-Dec 2017.ISSN 2231-0592.

2. Dr. Sanjay Kumar Misra

“Postcolonial Imperialism : 9/11 and Iraq II”. Re-Markings. Agra, Vol. 11, No.2 Sept. 2012. ISSN : 0972-611X

3. Dr. Rashmi Shandilya

“The Gandhian Vision” Hind Swaraj, June 2010. Kumaon University, Nainital

- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of publishers : **NIL**
- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees :

1. Dr. Anil Kumar Singh

- Observer, CBSE Board Examination, Allahabad & Meerut Division
- Observer for All India Medical Entrance Examinations organized by CBSE
- Observer for All India Engineering Entrance Examination organized by CBSE
- Member, U.P. Senior Secondary Services Selection Board, Allahabad[U.P]
- Member, U.P. Higher Education Service Commission ,Allahabad[U.P]

2. Sanjay Kumar Misra

- Life Member of Indian Association for Commonwealth Literature and Language Studies (IACLALS), Delhi, the officially recognised Indian chapter of the international ACLALS
- Life Member of Forum on Contemporary Theory (FCT), Baroda
- Life Member of Society for the Promotion of Indian English Literature (SPIEL), Lucknow
- Member of English Literary Society of Agra (ELSA), Agra
- Life Member of Comparative Literature Association of India (CLAI), New Delhi

b) International Committees : **NIL**

c) Editorial Boards :

1. Dr. Anil Kumar Singh

- **Member, Editorial Board, Indian Journal of English Studies**
- **Member, Editorial Board, Cenacle(A Peer Reviewed Annual Journal Of English)**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/ visitors to the department :

1. Dr. M. S. Kushwaha

2. Prof. R. K. Dhawan

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - **NIL**

b) International - **NIL**

26. Student profile programme/course wise :

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part – I	2016-17	665	278	95	183	
	2015-16		349			
	2014-15		433			
	2013-14		433			
	2012-13		458			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. A. Part – I	2016-17	93	58	10	48	
	2015-16		84			
	2014-15		65			
	2013-14		65			
	2012-13		68			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part – I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. A. Part – I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- | | |
|---|----------------------------|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : YES |
| c) Class rooms with ICT facility | : NO |
| d) Laboratories | : NIL |
31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Courses attended by faculty to improve Competency :**

1. **Dr. Anil Kumar Singh**

Paper Presentation in UGC Sponsored Workshops and Seminars

- **Chaired a Session “Gandhi as a Social Reform” at Smt. B. D. Jain Girls (PG) College, Agra on 01.10.2010.**
- **Presided over a seminar in Vidhya Mandir Degree College, Kaimganj, Farrukhabad on “Disseminating the Thought of Vivekananda” and delivered the Presidential Address.**
- **Delivered the Presidential Address in the programme held in Bhartiya Mahavidhalya, Farrukhabad on the occasion of Dr.Ram Manohar Lohia’s birth anniversary**

Presentation of Papers in the Research Workshops

- **Presented a Research Paper on “Uses of English Language” in a workshop organized by Department of English and Modern European Languages, Lucknow University.**

Papers Presented in All India English Teachers Conferences

- **Presented Research Paper in All India English Teachers Conference held in Bareilly in 2011.**

- Presented Research Paper in 59th All India English Teachers' Conference held in Kota from 19th to 21st December, 2014
- Presented Research Paper in 60th All India English Teachers' Conference held in Bellary from 19th to 21st December, 2015
- Presented a Research Paper in 61st All India English Teachers' Conference held at Nagpur from 20th to 22nd January, 2017

Positions Held in Academic Associations

- Elected General secretary of Association for English Studies of India for 2014-17 at Kota in 2014.[*Registered National Body of All India Fraternity of English Teachers of Colleges and Universities*]

5. Dr. Digvijay Singh

- Attended UGC-Orientation Programme at Aligarh Muslim University, Aligarh from 07.09.2011 to 04.10.2011
- Attended Refresher Course in English at Aligarh Muslim University, Aligarh from 10.09.2014 to 30.09.2014

Papers presented in Seminars :

- “Gandhi as a Social Reform” at Smt. B. D. Jain Girls (PG) College, Agra on 01.10.2010
- “Womens’ Quest for Self in the male dominated society by Nayantara Sahagal” at RCA Girls PG College, Mathura on 01-02 Feb., 2014
- “A Study of Socio Economic backwardness among Scheduled Caste” at D.S. College, Aligarh from 19-20 Sept., 2015

33. Teaching methods adopted to improve student learning :

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Lectures and talks delivered by faculty :

1. Dr. Anil Kumar Singh

- Contributed to the growth and development of society by writing articles, making speeches and speaking in various gatherings on social and national issues female foeticide, AIDS, environmental awareness, voter awareness campaign, water conservation and so on. Also contributed towards the spread and dissemination of the ideas and thoughts of prominent national thinkers, like Swami Vivekananda, Acharya Ramkrishna Paramhans, Vinoba Bhave, and also of great socialist thinkers like Jaya Prakash Narayan and Dr. Ram Manohar Lohia by actively organizing programmes and gatherings for this great purpose.
- Delivered a talk as Chief Guest In One Day Symposium On Influence of French Revolution On Romantic Poetry at D.A.V. College, Bulandshahar on 2nd December, 2006.
- Presided over the Inaugural function Of NSS Pre-Republic Day Parade Camp organised by Ministry of Youth Affairs & Sports, Govt. Of India on 4th October, 2014 organised at St. John's College, Agra and delivered a talk on the Importance of English in the Global World.

2. Dr. Sanjay Kumar Misra

- Invited Lecture: Delivered a Talk on 'Clinical Psychology: Nature, Scope and Utility' in Department of Psychology, R.B.S. College, Agra on 02 Feb. 2015
- Resource Person in Pre-Ph.D. Course in English at Dr. Bhimrao Ambedkar University, Agra, November 2015 – April 2016

- Delivered a talk on Rudyard Kipling on 12.03.2016 in the English Literary Society of Agra (ELSA), Agra in the year of Kipling's 150th anniversary
- Delivered a lecture on Franz Kafka on 31.07.2016 in the English Literary Society of Agra (ELSA), Agra
- Delivered a talk on Albert Camus' *The Outsider* 06.11.2016 in the English Literary Society of Agra (ELSA), Agra
- Delivered a talk on 'Literature and Social Media: Emerging Trends' on 29.01.2017 in the English Literary Society of Agra (ELSA), Agra

35. SWOC analysis of the department and Future plans

- STRENGTHS :**
- a) We have experienced faculty.
 - b) We have competent faculty.
 - c) Faculty members are dedicated to their job.
 - d) There is cohesiveness among the faculty members.
 - e) Participatory management through various committee.
 - f) Department is socially sensitive and therefore take initiatives for the betterment of the society and also for the enrichment of the students.
 - g) All the faculty members are the member of one or the other committee of the College and actively participate in different activities of the College.

- WEAKNESSES :**
- a) Quality of students is poor. Students are less exposed and are generally from the rural background.
 - b) Students do not have good communication skills. They are poor in english communication.
 - c) Infrastructural and Modern Teaching aids
 - d) No industry interface
 - e) Irregular session due to late results.

- OPPORTUNITIES :**
- a) Scope to grow in the action research to meet out the economic needs of industry and society of Agra city.
 - b) To design the intervention for boosting economy of Agra.

- c) To introduce vocational courses in the department for generating employment opportunities.
- d) Industrial Tours should be introduced.

- CHALLENGES :**
- a) Growing competition – Private institutions are growing in Agra. They also have many financial top-up courses.
 - b) Declining percentage of quality of students.
 - c) Number of urban students are declining.

FUTURE PLAN :

- (1) Organisation of Seminars /Symposium/ Group discussion (at least once in year.)
- (2) We have Plan to develop Audio-Visual Library
- (3) Provide on-line library facility
- (4) Plan to start linguistic lab and theatre for training students for dramatics and literary activities .

3. Evaluative Report of the Departments

DEPARTMENT OF HINDI

1. Name of the Department : **HINDI**
2. Year of Establishment : **UG – 1944**
PG - 1948
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)**
PG (M. A.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	02
Assistant Professors	6	02

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Yuvraj Singh	M. A., Ph. D.	Associate Professor		17	5
Dr. Uma Awasthi	M. A., Ph. D.	Associate Professor			
Dr. Om Prakash	M. A., Ph. D.	Assistant Professor		6	NIL
Dr. Jyotasana Sharma	M. A., Ph. D.	Mandai Lecturer		13	NIL

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 20%**
13. Student -Teacher Ratio (programme wise) : **UG – 40 : 1**
PG –
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	---	---

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. A., Ph. D. - 04**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
NIL
18. Research Centre /facility recognized by the University : **Yes**
Dr. B. R. Amedkar
University,
Agra

19. Publications : Refer ANNEXURE - 02

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Yuvraj Singhj	2	2
Dr. Om Prakash	3	1
Dr. Jyotasana Sharma	2	1
Total	7	4

- * Number of papers published in peer reviewed journals (national / international) by faculty and students - **7**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**
- * Monographs - **NIL**
- * Chapter in Books - **NIL**
- * Books Edited - **NIL**
- * Books with ISBN/ISSN numbers with details of publishers - **4**
- * Citation Index - **NIL**
- * SNIP - **NIL**
- * SJR - **NIL**
- * Impact factor - **NIL**
- * h-index - **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees :

(A) Dr. Yuvraj Singh

➤ Board of Studies, J.N.V. University, Jodhpur

b) International Committees : **NIL**

c) Editorial Boards :

(A) Dr. Yuvraj Singh

➤ उपाध्यक्ष, "सहयात्रा" साहित्यिक एवं सांस्कृतिक संस्था (रजिस्टर्ड)

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **30 Nos.**

23. Awards / Recognitions received by faculty and students

(A) Dr. Jyotasana Sharma

➤ "काव्य कलाधर"

24. List of eminent academicians and scientists/visitors to the department

1. Dr. B. K. Singh, Ex-Vice Chancellor, Kanpur University

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National - **NIL**
- b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	279	82	197	
	2015-16		317			
	2014-15		343			
	2013-14		402			
	2012-13		443			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. A. Part - I	2016-17	120	59	09	50	
	2015-16		79			
	2014-15		63			
	2013-14		67			
	2012-13		62			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	15%
PG to M.Phil.	2%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	.
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
- b) Internet facilities for Staff & Students : **Yes**
- c) Class rooms with ICT facility : **Yes**
- d) Laboratories : **NIL**

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Special Lectures on regular basis.**
- **Seminars and Workshops attended by faculty :**

1. **Dr. Yuvraj Singh**

- केन्द्रीय हिन्दी संस्थान, आगरा द्वारा आयोजित सेमिनार "अनुसंधान की मौलिकता"
- श्री वार्ष्णेय कालेज, अलीगढ़ द्वारा आयोजित सेमिनार "समकाजलीन हिन्दी कविता में सामाजिक द्वंद"
- आर०बी०एस० कालेज, आगरा द्वारा आयोजित सेमिनार "Teacher Empowerment and Educational Excellence : Vision"
- अलंकार सिद्धांत परम्परा एवं विकास – पं० बैजनाथ शर्मा प्राच्यविद्या शोध संस्थान,

हाथरस एवं केन्द्रीय हिन्दी निदेशालय, नई दिल्ली – 2011

- भूमण्डलीकरण के दौर में हिन्दी दशा और दिशा – चौ० चरण सिंह वि०वि, मेरठ – 2010
- हिन्दी का राष्ट्रीय एवं अन्तराष्ट्रीय परिदृश्य (सात दिवसीय अन्तराष्ट्रीय कार्यशाला) – आगरा विश्वविद्यालय, आगरा एवं केन्द्रीय हिन्दी संस्थान, आगरा – 2016
- **Me & My Book – organized by Authors Guild of India on 18-19 March, 2017**

विशेष व्याख्यान

- कविता शिक्षण एवं गद्य शिक्षण – नजीर सभागार, केन्द्रीय हिन्दी संस्थान, आगरा – 2015
- व्यक्तित्व विकास – नेहरू युवा केन्द्र, यूथ हॉस्टल, आगरा – 2016

2. Dr. Om Prakash

- साठोत्तर हिन्दी कवितायें दलित चेतना – विवेकानन्द ग्रामोद्योग महाविद्यालय, दिबियापुर, औरैया – 2016
- **Muslim Education and Employment in the Past-Sachar Scenario Initiatives and Achievements – AMU, Aligarh – 2015**
- बदलते सामाजिक परिवेश में पर्यावरण, स्त्री एवं यौन शिक्षा – दयानन्द वैदिक स्नातकोत्तर महाविद्यालय, उदई, जालौन – 2009
- उ० प्र० राज्य आपदा प्रबन्ध संस्थान द्वारा आयोजित “कैपेसिटी बिल्डिंग प्रोग्राम हेतु आपदा प्रबन्ध ट्रेनिंग”

3. Dr. Jyotsana Sharma

- हिन्दी भाषा के विकास में अन्य भारतीय भाषाओं का योगदान – 2016

33. Teaching methods adopted to improve student learning :

- **Lecture Method**
- **Group Discussion**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Dr. Yuvraj Singh

- आकाशवाणी आगरा से प्रसारण :
 - “शमशेर बहादुर सिंह का रचना संसार” शीर्षक वार्ता – 03.06.2011

- “आधुनिक बाल साहित्य : दशा और दिशा” – 17.11.2011
- कविता पाठ – 23.11.2016
- राष्ट्रीय कवि सम्मेलन में काव्यपाठ – अछल्दा, इटावा – 2015

Dr. Jyotasana Sharma

- आकाशवाणी आगरा से प्रसारण : वार्ता, कविता गीत आदि
- राष्ट्रीय कवि सम्मेलनो में सक्रिय सहभागिता

37. SWOC analysis of the department and Future plans

STRENGTHS : a) Qualified Faculty.

WEAKNESSES : a) Lack of motivation amongst students.
b) Shyness and inferiority complex of the students
c) Quality of students is poor. Students are less exposed
and are generally from the rural background.

OPPORTUNITIES :

CHALLENGES : a) To train and educate rural students.

b) To educate girl students for economic independence.

FUTURE PLANS :

- (1) Audio-visual Library, To develop seminar / conference room
- (2) We have plan to provide field exposure by organizing local and out Door touring.
- (3) Development of language lab to learn bhasha vigyan
- (4) E-membership of Elsevier and Springer journals for the online access.

ANNEXURE – 01**List of Ph. D. Scholars**

1. Dr. Yuvraj Singh

Sl. No.	Name of Scholar	Title of Topic	Position
1	Radha Sharma	निर्मल वर्मा के कथा साहित्य में मानव मूल्य	Awarded
2	Khushboo Singh	अमरकांत के उपन्यासों की शिल्पकला का मूल्यांकन	Awarded
3	Devesh Kumar Dwivedi	मृणाल पाण्डे के कथा साहित्य में नारी चेतना	Awarded
4	Krishna KLurari	दलित साहित्य के परिप्रेक्ष्य में श्यौराज सिंह "बेचैन" के साहित्य का मूल्यांकन	Awarded
5	Anjali Bhoaru	बहुभाषी समाज में अन्य भाषा के रूप में हिन्दी शिक्षण	

ANNEXURE – 02**Detail of Publications**1. **Dr. Yuvraj Singh**

Sl. No	Article	Name of Journal	ISSN NO.
1	समकालीन हिन्दी में समाजिक द्वंद	शोध संदेश	ISSN No. 2348-8484
2	इक्कीसवीं सदी की हिन्दी और चुनौतियां	शोध संदेश	ISSN No. 978-93-81778-44-9

Books Published

Sl. No	Title of Book	Publisher	ISBN NO.
1	आत्मकथा साहित्य और "बच्चन" की आत्मकथा का मूल्यांकन	राजेश प्रकाशन, नई दिल्ली	978-81-89229-96-2
2	अगर तुम न होते (कविता संग्रह)		

1. **Dr. Om Prakash**

Sl. No	Article	Name of Journal	ISSN NO.
1	"स्त्री जीवन" भारत और मॉरीशस के संदर्भ में	"मित्रोमरजानी" में नारी चेतना	ISBN No. 978-93-81616-73-2
2	समाजिक, सांस्कृतिक क्रांति के	Journal of Society	ISSN No. 2277-3487

	संवाहक कबीर	for Scientific Study in Social Sciences	
3	डा० विश्वम्भर उपाध्याय : सृजनात्मक संस्करण	आलोचक डा० उपाध्याय	ISBN No. 81953-30-3

Books Published

Sl. No	Title of Book	Publisher	ISBN NO.
1	आधुनिक बोध और श्रीकांत वर्मा का कथा साहित्य		978-81-89228-73-6

1. **Dr. Jyotasana Sharma**

Sl. No	Article	Name of Journal	ISSN NO.
1	मॉरिशस कवि डा० हेमराज सुंदर की हिन्दी कविता	अन्तराष्ट्रीय शोध पत्रिका	
2	स्त्री जीवन – भारत और मॉरिशस के संदर्भ में	अन्तराष्ट्रीय शोध पत्रिका	ISBN No. 978-93-81610-73-2

Books Published

Sl. No	Title of Book	Publisher	ISBN NO.
1	लक्ष्मीनारायण मिश्र के नाटकों में युग चेतना	राजेश प्रकाशन, नई दिल्ली	978-81-89229-98-6

3. Evaluative Report of the Departments

DEPARTMENT OF SANSKRIT

1. Name of the Department : **SANSKRIT**
2. Year of Establishment : **UG – 1944**
PG - 1946
3. Names of Programmes / Courses offered : **UG (B. A.)**
(UG, PG, M.Phil., Ph.D., Integrated **PG (M. A.)**
Masters; Integrated Ph.D., etc.) **Ph. D.**
4. Names of Interdisciplinary courses and the : **NIL**
departments/units involved
5. Annual/ semester/choice based credit system : **Annual**
(programme wise)
6. Participation of the department in the courses : **NIL**
offered by other departments
7. Courses in collaboration with other : **NIL**
universities, industries, foreign institutions, etc.
8. Details of courses/programmes discontinued : **Nil**
(if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	02
Assistant Professors	03	---

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students 4 years
Dr. Asha Saxena	M. A., Ph. D.	Associate Professor	Literature	28	04
Dr. Rekha Rani Sharma	M. A., Ph. D.	Associate Professor	Literature	8 years R A+, 22 years Teaching	05

(Ph. D. Scholars list attached as Annexure – 01)

11. List of senior visiting faculty : **1. Dr. Chandan Lal Parashar**

2. Dr. H. K. Upadhyay

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 33%**

13. Student -Teacher Ratio (programme wise) : **UG – 10 : 1
PG – 3 : 1**

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	---	---

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. A., Ph. D. - 04**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **Yes
Dr. B. R. Amedkar**

19. Publications : **Agra
Refer ANNEXURE - 02**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Rekha Rani Sharma	06	---
Total	06	---

* a) Publication per faculty :

* Number of papers published in peer reviewed journals

(national / international) by faculty and students

- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Monographs
- * Chapter in Books
- * Books Edited :
- * Books with ISBN/ISSN numbers with details of publishers
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : **NIL**

Dr. Asha Saxena:

Member of board of studies in Dr. B.R. Ambedkar University Agra

b) International Committees : **NIL**

c) Editorial Boards :

Dr. Rekha Rani Sharma:

Member, Editorial Board of Journal "Humanities & Social Sciences – Interdisciplinary Approach"

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **30 %**

23. Awards / Recognitions received by faculty and students

1. **Ms. Archana Rathore – Gold Medal – Post Graduate – 2014**
2. **Dr.Rekha Rani Sharma received Nation Builders Award by Rotary Club.**

24. List of eminent academicians and scientists/: **Dr. Chandan Lal Parashar** visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National - **NIL**
- b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	45	31	14	17	
	2015-16		10			
	2014-15		11			
	2013-14		63			
	2012-13		10			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. A. Part - I	2016-17	04	04	01	03	
	2015-16		04			
	2014-15		11			
	2013-14		18			
	2012-13		10			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	15%
PG to M.Phil.	2%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	NIL
Employed	
· Campus selection	
· Other than campus recruitment	.
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- | | |
|---|----------------------------|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : Yes |
| c) Class rooms with ICT facility | : NIL |
| d) Laboratories | : NIL |
31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.
- **Special Lectures on regular basis.**
 - **Seminars/Workshops/Debates attended by faculty**
33. Teaching methods adopted to improve student learning :
- **Black-board ,Guest Lectures**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

STRENGTHS : a) Qualified Faculty.

WEAKNESSES : a) Inability in organizing seminars due to no funding.
b) Non-availability of high quality books and journals.
c) Non-availability of computers, internet facilities, AC.

OPPORTUNITIES : a) ज्योतिष, योगा, आयुर्वेद एवं अध्यात्म एवं कर्मकाण्ड से सम्बन्धित डिप्लोमा पाठ्यक्रम

CHALLENGES : a) To train and educate rural students.

FUTURE PLAN : Organize seminars / Conference at least once in a year.

To organize Cultural Tours to create awareness and enhance the knowledge of students

LCD Projector with audio- video facility to make teaching effective. And to start Language Lab and enrich our students learning.

List of Ph. D. Scholars**Dr. Rekha Rani Sharma**

S.No.	Name	Title	Postion
1	Geeta Sharma	पुराणों में शिव का स्वरूप	Awarded
2	Shipra Bhardwaj	पुराणों में वास्तु विज्ञान – एक समीक्षात्मक अध्ययन	Awarded
3	Preeti Tripathi	चरक संहिता में वर्णित आयुर्वेद चिकित्सा पद्धति एवं वर्तमान में उसकी प्रासंगिकता – एक समीक्षात्मक अध्ययन	Awarded
4	Shivani	वैष्णव पुराणों में ब्रज का स्वरूप – एक अध्ययन	Submitted
5	Neerja	पुराण वाङ्मय में गणपति उपासना की परम्परा – एक अध्ययन	Submitted

ANNEXURE – 02**List of Publications****Dr. Rekha Rani Shrma**

Chapter in book on Symbolism of numbers seven and three in the Grayhsuta – Harappa Civilization and Vedic Culture – 1st edition 2010

Research Papers :

S.No.	Topic	Name of Journal	ISSN No.
1	The Nexus between Dance and Religion – A social aspect	Aesthetics – A Journal of Arts, interiors and life style – Dec., 2011	0976-3082
2	Fire – The Supreme source of energy	गुरुकुल पत्रिका – गुरुकुल कांगड़ी विश्वविद्यालय, हरिद्वार – Dec., 2011	0976-8017
3	स्मृतिकालीन एवं आधुनिक नारी	Institute of Rajasthan Studies, Deemed University, Udaypur – Dec., 2012	0975-6868
4	महिला और मानवाधिकार	शोधायन – मानविकी समाजविज्ञान, वाणिज्य की राष्ट्रीय शोध पत्रिका – Oct., 2014	2249-7536
5	Contribution of Sanskrit to the Science of Mathematics	Journal of Scientific & Technological Research – March, 2016	2231-4709

3. Evaluative Report of the Departments**DEPARTMENT OF PSYCHOLOGY**

1. Name of the Department : **PSYCHOLOGY**

2. Year of Establishment : **UG – 1944**
PG - 1958
3. Names of Programmes / Courses offered : **UG (B. A.)**
(UG, PG, M.Phil., Ph.D., Integrated **PG (M. A.)**
Masters; Integrated Ph.D., etc.) **Ph. D.**
4. Names of Interdisciplinary courses and the : **NIL**
departments/units involved
5. Annual/ semester/choice based credit system : **Annual**
(programme wise)
6. Participation of the department in the courses : **NIL**
offered by other departments
7. Courses in collaboration with other : **NIL**
universities, industries, foreign institutions, etc.
8. Details of courses/programmes discontinued : **Nil**
(if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	02
Assistant Professors	04	02

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S. P. Singh	M. A., Ph. D.	Associate Professor	Abnormal Psychology	28	07
Dr. Sudhir Kumar Singh	M. A., Ph. D., M. Phil., NET	Associate Professor	OB & Quantitative Psychology	16	---
Dr. Madhu Bala	M.A., Ph. D., M. Phil.	Assistant Professor	Social Psychology	06	---
Dr. Poonam Tiwari	M. A., Ph. D., NET	Mandai Lecturer	Clinical Psychology	10	---

11. List of senior visiting faculty

: 1. Dr. S. N. Sharma
2. Dr. Yashvir Singh
3. Dr. Jai Prakash
4. Dr. Lalit

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

: UG – 16 Lectures
PG – 08 Lecturers
Projects – 8 Practicals

13. Student -Teacher Ratio (programme wise)

: UG – 15 : 1
PG – 12 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	01	01
Lab. Attendant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

: M. A., Ph. D. - 04
M. Phil. – 02, NET - 02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

: NIL

17. Departmental projects funded by DST - FIST; : **NIL**

UGC, DBT, ICSSR, etc. and total grants received

18. Research Centre /facility recognized by the : **Yes**

University

Dr. B. R. Amedkar

University,

Agra

19. Publications

: **Refer ANNEXURE - 01**

* a) Publication per faculty

Name of Faculty	No. of Journals	No. of Books
Dr. S. P. Singh	---	---
Dr. Sudhir Kumar Singh	---	02
Dr. Madhu Bala	07	---
Dr. Poonam Tiwari	03	---
Total	10	02

* Number of papers published in peer reviewed journals (national / international) by faculty and students : **10**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**

* Monographs : **NIL**

* Chapter in Books : **01**

* Books Edited : **NIL**

* Books with ISBN/ISSN numbers with details of publishers : **NIL**

* Citation Index : **NIL**

* SNIP : **NIL**

* SJR : **NIL**

* Impact factor : **NIL**

* h-index : **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : 02

Dr. Sudhir Kumar Singh

- Life Member of “ASTHA” Foundation
- Life Member of National Academy of Psychology (NAOP) India

b) International Committees : NIL

c) Editorial Boards :

Dr. Sudhir Kumar Singh

- Editor, Journal for Humanities and Social Sciences
- Editor, Humanities and Social Sciences : Interdisciplinary Approach
- Editor, Journal of Scientific and Technological Research
- Member, Knowledge News

Dr. Madhu Bala

- Member, Journal for Humanities and Social Sciences
- Member, Humanities and Social Sciences : Interdisciplinary Approach
- Member, Indian Science Congress, Kolkata
- Member, National Association of Psychological Science, Chandigarh
- Member, Journal of Scientific and Technological Research

Dr. Poonam Tiwari

- Life Member, Indian Journal of Human Relation, Jaunpur
- Member, Humanities and Social Sciences, Agra

22. Student projects

a) Percentage of students who have : 100% (UG Final Year)
done in-house projects including inter 20% (PG Final Year)
departmental/programmeb) Percentage of students placed for :
projects in organizations outside

the institution i.e.in Research laboratories/
Industry/ other agencies

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/ visitors to the department : **1. Prof. A. P. Singh, BHU, Varanasi**

**2. Prof. P. C. Mishra,
Lucknow University**

**3. Dr. Jagdish, Principal
Saraswati PG College,
Hathras**

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - **NIL**

b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	262	56	206	
	2015-16		264			
	2014-15		194			
	2013-14		279			
	2012-13		244			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. A. Part - I	2016-17	64	40	05	35	
	2015-16		49			
	2014-15		34			
	2013-14		26			
	2012-13		45			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No Information**

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	.
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- | | |
|---|-----------------------------------|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : Wi-Fi Internet Facility |
| c) Class rooms with ICT facility | : NIL |
| d) Laboratories | : 03 |
31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.
- **Special Lectures on regular basis.**
 - **Visit to Mental Hospital**
 - **Visit to Beggar Home**
 - **Visit to Old Age Home**
 - **Seminars/Workshops/Debates attended by faculty**

Dr. Sudhir Kumar Singh

- Seminar on Decision Making : An Empirical Study of Communication Stule and Role Variables – AASTHA & NIMHANS BANGLURU
- Seminar on Working Women in India – AASTHA, NEW DELHI
- Problem in Psychological Research in India organized by National Academy of Psychology and N.J., USA, ICSSR
- Seminar on Revalidational of the Klauss & Brass model of Interpersonal Communication, organized by AASTHA, New Delhi
- Seminar on UGC Challenges, Opportunities and Problem facing in the Colleges organized by LNI Gwalior
- Workshop on Pollution organized by UP Pollution Control Board
- Workshop on Stress & its remedies organized by NCERT, New Delhi

Dr. Madhu Bala

- Workshop attended on the topic “Psycho-Spiritual Therapies” held at C.C.S.University Campus, Meerut
- Workshop attended on the topic “Preparing Research Paper for

Standard Journal” held at Harprasad Institute of Behavioral Studies (HIBS), Agra

- Workshop attended on “Test Construction and use of Computerized Psychological Tools” held at C.C.S.University Campus, Meerut

Papers presented in National & International Conferences :

- Presented a paper in International Seminar on Post modernism: Dimension and Challenges held at S.V. College, Aligarh, (U.P.), on the topic “Modernization and Suicidal Ideation” during 4th , 5th & 6th March, 2011.
- Presented a paper in National Seminar on Indigenous Techniques in Psychotherapy held at Dev Sanskrit Vishwavidyalaya, Gayatrikunj, Shantikunj, Haridwar, in the topic “Prayer: The Healing Aspect for Mental Health” during 25th ,26th & 27th March, 2011.
- Presented a paper in National Seminar on Mental Health & Well-Being: Recent Trends & Intervention held at Agra College, Agra, (U.P.) on the topic “Mental Health and Meditation” during 6th-7th Feb. 2012.
- Presented a paper in International Seminar on Postmodernism: Dimension and Challenges held at S.V.College, Aligarh, (U.P.) on the topic “Meditation and Yoga: AS A Coping Device” during 1st , 2nd & 3rd March, 2012.
- Presented a paper in National Seminar on Human Rights and Social Security in Age of Globalization held at S.R.K. (P.G.) College, Firozabad, (U.P.) on the topic “Human Rights Education” during 4th-5th March, 2012.
- Presented a paper in National Seminar on Challenges and Opportunities of Work Ethics in National Building held at St. John’s College, Agra (U.P.) on the topic “Suicidal Ideation Among Students” during 4th ,5th & 6th March, 2012.
- Presented a paper in International Seminar on Applicability and Relevance of Psycho-educational Testing in Human Life on held at Harprasad Institute of Behavioral Studies (HIBS), Agra (U.P.) on the topic “Effect of Parenting Style on Achievement Motivation” during 21st , 22nd Sep. 2013.

- Presented a paper in International Seminar held at P.G. Govt. College, Chandigarh, on the topic “Spirituality and Death Anxiety” during 24th, 25th Feb. 2014.
- Presented a paper in National Seminar on Crime Against Women held at D.J. College, Baraut, (U.P.) on the topic “Why Do Men Rape: A Psychological Overview” during 1st, 2nd Nov. 2015.
- Presented a paper in International Seminar on Globalization And Human Security: Issues and Challenges held at S.V. College, Aligarh (U.P.) on the topic “Protection of Human Rights in Globalised World” during 21st -22nd Nov. 2015.

Dr. Poonam Tewari

- Workshop on attended on the topic “Digital Indian” held at R.B.S. College, Agra Dated 27-09-2016.
- Workshop attended on the topic “Personality Assesment Workshop S/S” held at Hindustan College, Agra Dated 02-04-2015

Papers presented in National & International Conferences/Seminars :

- “Psycho Social Problems of Yough on overview” on Political Science 19th Convention at Agra College, Agra
- “Effect of Noise Pollution on Mental Health” in National Seminar on Conservation of Challenges and Remedies at B.K.D. College, Agra
- “Teaching Strateties to Educate Gifted Children” in International Conference on Applicability and relevance of Psycho Educational testing in Human Life at H.I.B.S., Agra
- “Indian Women & Human Rights” in National Conference of Human Rights & Education at Agra College, Agra
- “Geeta Saar As a Tool of Work Ethics” in National Seminar on Challenges and Opportuties of Work Ethics in Nation Building at St. John’s College, Agra
- “Spiritual Dimensions of Modern Managemnt : A Revival of Innter Potential” in National Seminar on mental Health 7 Well-being : Recent Trends & Intervensions at Agra College, Agra
- “Psychological Evaluation of Anxiety Neurosis treated with Yoga Therapy, Drugs Therapy & Combined Therapy” in National Seminar on Indigenous Techniques in Psychotherapy at Dev Sanskriti Vishwavidhyalaya, Haridwar

Training Programme

- Training of Trainers on like skills organized by RGNIYD held at Lucknow University dated 25-31 July 2016
- Training of Trainers on “Motivating youth for skill Building” Organized by TISS held at Agra College, Agra Dated 6-7 Feb 2014
- Training of Trainers on “Youth leadership & people skills” held at Agra College, Agra Dated 4-7 June 2014
- Certificate of teaching “Motivating youth for skill Building course” for 15 hours in academic year 2013-14 at St. John’s College, Agra
- **Courses attended by faculty to improve competency and update themselves for the benefit of students :**

Dr. Madhu Bala

- Attended International Conference on the topic “Recent Advance on Cognitive Science” held at BHU, Varanasi
- Attended Indian Science Congress held at Calcutta University, Kolkata (West Bengal).
- Participated in 4-Week Orientation Programme OP-103 held from 29-08-2011 to 24-09-2011 and obtained ‘A’ grade.
- Participated in SRC in Research Methodology in Social Science held from 31-03-2013 to 19-04-2013 and obtained ‘A’ grade.

33. Teaching methods adopted to improve student learning :

- **Conventional Method**
- **Lecture Method**
- **Seminar Method**
- **Discussion Method**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Provide counseling to the needy of the society**
- **Provide counseling to the students**
- **Organise training and personality development programme for the students and different sections of the society.**

35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) To Organize from time to time field visit to beggar home, mental Hospital, Jail for juveniles, destitute homes
- (2) To organize Seminars / Conference at least one in a year.
- (3) To Give field work to students to enhance the skills of students regarding research work / Survey Work
- (4) To organize educational Topics, Plan visit to de-addiction Centers
- (5) To organize clinical guidance certificate programme (One Week)

ANNEXURE – 01

Details of Publications

1. Dr. Sudhir Kumar Singh

Books Published

- ***Rethinking Embodiment in Feminist Media Studies*** published by M. D. Publication Pvt. Ltd., New Delhi ISBN No. : 978-81—7533-2560
- ***Feminism & Nationalism in Third World Studies*** published by M. D. Publication Pvt. Ltd., New Delhi ISBN No. : 978-81—7533-257-7

2. Dr. Madhu Bala

“Modernization and Suicidal Ideation” in *Deliberative Research*, vol. 12(01), p.g. no.-117-122, 2011.

- “Mental Health and Meditation” in *Journal of Scientific and Technological Research*, vol.02(01), p.g. no.- 45-46, 2012.
- “Meditation and Yoga: As a Coping Device” in *Humanities and Social Science: Interdisciplinary Approach*, vol. 04(02), p.g. no. – 26-27, 2012.
- “Suicidal Ideation among Students” in *Humanities and Social Science: Interdisciplinary Approach*, vol. 02(02), p.g.no. 45-47, 2013.
- “Prayer: The Healing Aspect of Mental” in *Journal of Scientific and Technological Research*, vol.03(01), p.g.no.- 17-18, 2013.
- “Effect of Occupation, Gender and Aggression and Emotional Intelligence” in *Prachi Journal of Psycho-Cultural Dimension*, vol.29(29), p.g. no.-127-131,2013.
- “Spirituality and Death Anxiety” in *Humanities and Social Science: Interdisciplinary Approach*, vol.07(01), p.g.no.- 93-95, 2015.

3. Dr. Poonam Tewari

“Hanuman Chalisa: An Effective Tool of Spiritual Therapy for Anxiety” accepted for Publication in *Humanities & Social Sciences: Interdisciplinary Approach*, ISSN- 0975-7090, June 2012.

- “Yoga ki Dristi me Mann” in *Humanities & Social Sciences: Interdisciplinary Approach*, vol.3(1), ISSN-0975-7090, June 2011, pp. 124-128.
- “Balikaon Ka Ghatta Anupat: Ek Manovaijanyanik Drishtikon” in *Hindi Sapatahik “Aaj Ka Pratiyogi”*. Agra 2011, pp 22-33.

3. Evaluative Report of the Departments

DEPARTMENT OF POLITICAL SCIENCE

1. Name of the Department : **POLITICAL SCIENCE**
2. Year of Establishment : **UG – 1944**
PG - 1947
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)**
PG (M. A.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors *	---	02
Assistant Professors	04	01

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sangeeta Rai	M. A., NET, Ph.D.	Assistant Professor	Indian Govt. & Politics	18	---
Dr. Arun Kumar Raghav	M. A., Ph.D.,	Associate Professor	Public Administration	31	02
Dr. R. S. Upadhyay	M. A., Ph.D.	Associate Professor	International Law	37	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : 1. **Dr. Ajinder Jain**
2. **Dr. S. K. Raizada**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **25%**
13. Student -Teacher Ratio (programme wise) : **UG – 40 : 1**
PG – 35 : 1
14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled
- | Post | Sanctioned | Filled |
|----------------|------------|--------|
| Lab. Assistant | -- | -- |
| Lab. Attendant | -- | -- |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. A., Ph. D. - 03**
NET - 01
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST;UGC, DBT, ICSSR, etc. and total grants received : **01 – Dr.S. K. Raizada**
Funded by UGC
from 01.02.2011 to
31.07.2013

18. Research Centre /facility recognized by the University : **Yes**
Dr. B. R. Amedkar
University,
Agra

19. Publications :

a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Sangeeta Rai	---	---
Dr. Arun Kumar Raghav	02	---
Dr. R. S. Upadhyay	---	---
Total	02	---

* Number of papers published in peer reviewed journals (national / international) by faculty and students : **02**

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**

* Monographs : **NIL**
 * Chapter in Books : **NIL**
 * Books Edited : **NIL**
 * Books with ISBN/ISSN numbers with details of publishers : **NIL**
 * Citation Index : **NIL**
 * SNIP : **NIL**
 * SJR : **NIL**
 * Impact factor : **NIL**
 * h-index : **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : 02

Dr. A. K. Raghav

➤ **Indian Social Science Association**

➤ **The Indian Economics Association**

b) International Committees : NIL

c) Editorial Boards :

1. Dr. Sangeeta Rai

➤ **Member, Editorial Board, Humanities & Social Sciences – Interdisciplinary Approach**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : NIL

23. Awards / Recognitions received by faculty and students : 01

Ms. Neeraj (M. A.) – Gold Medal – 2014

24. List of eminent academicians and scientists/visitors to the department :

1. Dr. Babu Ram, Ex-Principal, Govt. PG College, Agra

2. Dr. M. S. Dixit

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - NIL

b) International - NIL

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	162	69	93	
	2015-16		175			
	2014-15		191			
	2013-14		221			
	2012-13		170			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. A. Part - I	2016-17	82	59	12	47	
	2015-16		65			
	2014-15		56			
	2013-14		46			
	2012-13		65			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Central**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **NO**
d) Laboratories : **NIL**

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

Seminar attended by Dr. A. K. Rahgav :

1. National Reasearch Seminar on “The Contemporary form of Feminist Movement in India : Challenges and Prospect at M. L. B. Govt. College of Excellence, Gwarior, M. P. from 28.02.2015 to 01.03.2015
2. National Seminar on “Challenges of Rural Urban Transformation in India” at K. R. College, Mathura from 12-13 March, 2015
3. National Seminar on “Challenges of Development in 21st Century” from 22-23 February, 2014
4. Natioanl Seminar at Meenakshi University, Chennai from 27-29 December, 2013
5. National Seminar on “Impact of Population Growth on Agriculture and Rural Development” at BVRI, Bichpuri, Agra from 9-10 February, 2013
6. International Seminar on “Impact of Peace, Conflict and Disturbances on Economic Development Process” at University of Kashmir, Srinagar from 11-13 May, 2012
7. National Seminar at Govt. College, Sirsaganj, Firozabad from 8-9 December, 2012
8. National Seminar at Govt. College, Sirsaganj, Firozabad from 19-20 March, 2012
9. National Seminar on “Food Security in India” at B.S.M. PG College, Roorkee from 8-9 October, 2012
10. International Seminar on “Economic, Social and Environmental Challenges of Globalization” at St. Bede’s College, Shimla from 5-6 October, 2012

• **Conferneces attended by Dr. A. K. Raghav**

- **National Conference on “Promotion of Ethical Human Values” at Agra College, Agra sponsore by UGC from 16-17 February, 2011**

33. Teaching methods adopted to improve student learning :

- **Group Discussion**
- **Assignments**
- **Tutorials**
- **Presentation by Students**
- **Tests**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Participation of faculty members in ISR, in creating awareness regarding socially relevant issues.**

35. SWOC analysis of the department and Future plans

STRENGTHS :

- a) Department of repute in Agra for imparting quality education.
- b) Presence of committed, competent and experienced faculty
- c) Accessible and equitable environment which is conducted for learning.

WEAKNESSES :

- a) Lack of remedial classes for students with poor learning skills.
- b) Lack of ICT facility to provide supplementary reading material to the students.
- c) Inability to maintain department library according to desired standards for want for technical and human assistance.
- d) Lack of smart classes and other modern teaching aids.

OPPORTUNITIES :

- a) Development of web-based teaching facility for the students.
- b) More scope to use modern teaching aid, PPT etc.

CHALLENGES :

- a) Most of the students are from rural and weaker section of the society, thus, it is a great challenge to provide holistic education.
- b) Establishing quality research and academic level publication.

FUTURE PLAN :

- (1) Field Work / Survey to be initiated to give research and practical exposure to students .
- (2) Educational tours.
- (3) To make use all modern aids of teaching to enrich the knowledge of student and provide smart classes.
- (4) To conduct seminar and workshop for students which would prepare them for various competitive examinations and help them to achieve employment.
- (5) To develop book sharing faculty & departmental library.

ANNEXURE – 01**List of Ph. D. Scholars**1. **Dr. A. K. Raghav**

S.No.	Name of Candidate	Topic	Year of awarded
1	Jagriti Magotra	Role of Panchayati Raj Institutions in Rural Development of Agra District	2016
2	Rohtash	नेताजी सुभाष चन्द्र बोस और आजाद हिन्द सेना का भारतीय स्वतंत्रता संग्राम में योगदान	2012

ANNEXURE – 02**List of Publications**1. **Dr. A. K. Raghav**

- “Social Audit : Its Implementation in MGNREGA” in ***Journal of Humanities & Social Sciences : Interdisciplinary Approach*** (ISSN No. 0975-7098-A-131 – Annual Multilingual Research Journal, Volume-03, Issue 02, Dec., 2011
- “Development of Police Administration in India during British Raj” in ***Journal of Humanities & Social Sciences : Interdisciplinary Approach*** – Annual Multilingual Research Journal, Volume-02, Issue 02, Dec., 2010

3. Evaluative Report of the Departments

DEPARTMENT OF SOCIOLOGY

1. Name of the Department : **SOCIOLOGY**
2. Year of Establishment : **UG – 1953**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors *	---	---
Assistant Professors	01	01

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Shri Shramveer Singh Kushwah	M. A., SLET	Assistant Professor		13	---

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **N.A.**
13. Student -Teacher Ratio (programme wise) : **UG – 150 : 1**

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	--	--
Lab. Attendant	--	--

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. A., SLET - 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST;UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **No**
19. Publications : **ANNEXURE - 01**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Shri Shramveer Singh Kushwah	06	---
Total	06	---

* Number of papers published in peer reviewed journals (national / international) by faculty and students : **06**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**

-
- | | | |
|---|---|--------------------------------------|
| * | Monographs | : NIL |
| * | Chapter in Books | : NIL |
| * | Books Edited | : NIL |
| * | Books with ISBN/ISSN numbers with details of publishers | : NIL |
| * | Citation Index | : NIL |
| * | SNIP | : NIL |
| * | SJR | : NIL |
| * | Impact factor | : 06 (GIF – 0.543, GIF-4.473) |
| * | h-index | : NIL |
20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in
- | | |
|-----------------------------|--------------|
| a) National committees | : NIL |
| b) International Committees | : NIL |
| c) Editorial Boards | : NIL |
22. Student projects
- | | |
|---|--------------|
| a) Percentage of students who have done in-house projects including inter departmental/programme | : NIL |
| b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies | : NIL |
23. Awards / Recognitions received by faculty and students : **NIL**
24. List of eminent academicians and scientists/ visitors to the department : **NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding
- | | |
|------------------|--------------|
| a) National | - NIL |
| b) International | - NIL |

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	151	27	124	
	2015-16		153			
	2014-15		174			
	2013-14		219			
	2012-13		241			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**

29. Student progression : **No information**

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- | | |
|---|---------------------|
| a) Library | : Central |
| b) Internet facilities for Staff & Students | : YES (WiFi) |
| c) Class rooms with ICT facility | : NO |
| d) Laboratories | : NIL |
31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

1. Shri Shramveer Singh Kushwah

- **Attended Workshop and Training Programme on “Census of India-2011. Analysis, Application and Importance” held on 17.10.2014 at Agra College, Agra**
- **Attended National Seminar on “भारत उदय के समक्ष भ्रष्टाचार : एक चुनौती” held on 4-6 December, 2015 at Agra College, Agra sponsored by UGC and ICSSR.**
- **Attended National Seminar on “स्वच्छ भारत अभियान : एक मूल्यांकन” held on 4-5 January, 2016 at Govt. PG College, Bindki, Fatehpur sponsored by ICSSR.**
- **Attended National Seminar on “उच्च शिक्षा में गुणवत्ता की समस्या” held on 20-21 February, 2016 at G.P.G. College, Agra sponsored by Dept. of Higher Education, Govt. of U.P.**
- **Attended National Seminar on “Increasing Waste in India : Problem and Solution” held on 27-28 February, 2016 at R. B. S. College, Agra sponsored by Dept. of Higher Education, Govt. of U.P.**
- **Attended National Seminar on “उच्च शिक्षा के समक्ष चुनौतियाँ” held on 22.01.2017 at G.P.G. College, Agra sponsored by Dept. of Higher Education, Govt. of U.P.**

- **Courses attended by faculty to improve competency and update themselves for the benefit of students :**

1. Shri Shramveer Singh Kushwah

- Refresher Course from 15.07.2011 to 04.08.2011 at Aligarh Muslim University, Aligarh
- Refresher Course from 09.05.2013 to 29.05.2013 at Aligarh Muslim University, Aligarh
- Refresher Course from 20.02.2017 to 14.03.2017 at Aligarh Muslim University, Aligarh

33. Teaching methods adopted to improve student learning :

- Group Discussion
- Assignments
- Tutorials
- Presentation by Students
- Tests

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

- STRENGTHS :**
- a) Experienced faculty.
 - b) Competent faculty.
 - c) Dedicated Faculty.
 - d) Cooperative approach faculty.

- WEAKNESSES :**
- a) Lack of smart classes.
 - b) Lack of departmental library.
 - c) One faculty department
 - d) UG department

- OPPORTUNITIES :**
- a) More scope to use modern teaching aid.
 - b) Scope to upgrade department upto PG level.

- CHALLENGES :**
- a) Most of the students are from weaker section of the society, thus, it is a great challenge to provide holistic education.

FUTURE PLAN :

- (1) Future Plan for Education tours.
- (2) Plan to Organize Seminars (at least once in a year)
- (3) Plan to organize workshops for students who want to participate in competition.
- (4) Plan to organize workshop on the moral values for the students.

Detail of Publications**1. Shri Shramveer Singh Kushwah**

Sl. No	Title of Paper	Name of Journal	ISSN No.	Impact Factor
1	जलवायु परिवर्तन : कारण एवं दुष्परिणाम	Remarking An Analisation (Multi-disciplinary International Journal)	(P) 2394-0344 (E) 2455-0817	GIF – 0.543 SJIF – 4.473
2	महिलाओं के विरुद्ध अपराध : एक विश्लेषण	Remarking An Analisation (Multi-disciplinary International Journal)	(P) 2394-0344 (E) 2455-0817	GIF – 0.543 SJIF – 4.473
3	विषम लिंगानुपात : एक विश्लेषण	Shrinkhla Ek Shodjparak Vaicharik patrika (Multi-disciplinary International Journal)	(P) 2321-290X (E) 2349-980X	GIF – 0.543 SJIF – 4.473
4	महिलाओं की प्रस्थिति समस्याएँ एवं समाधान	Shrinkhla Ek Shodjparak Vaicharik patrika (Multi-disciplinary International Journal)	(P) 2321-290X (E) 2349-980X	GIF – 0.543 SJIF – 4.473
5	भारत में साइबर अपराध : एक विश्लेषण	Shrinkhla Ek Shodjparak Vaicharik patrika (Multi-disciplinary International Journal)	(P) 2321-290X (E) 2349-980X	GIF – 0.543 SJIF – 4.473
6	विधि विवादित किशोर : स्थिति, कारण एवं उपचार	Shrinkhla Ek Shodjparak Vaicharik patrika (Multi-disciplinary International Journal)	(P) 2321-290X (E) 2349-980X	GIF – 0.543 SJIF – 4.473

3. Evaluative Report of the Departments

DEPARTMENT OF HISTORY

1. Name of the Department : **HISTORY**
2. Year of Establishment : **1944**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors *	---	---
Assistant Professors	01	01

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sanjeev Jain	M. A., Ph. D.	Assistant Professor	Medival Indian Histroy	3	---

11. List of senior visiting faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **NIL**

13. Student -Teacher Ratio (programme wise) : **UG –**

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	--	--
Lab. Attendant	--	--

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. A., Ph. D. - 01**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST;UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **No**

19. Publications : **ANNEXURE - 01**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Sanjeev Jain	05	---
Total	05	---

* Number of papers published in peer reviewed journals (national / international) by faculty and students : **04**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International) : **NIL**

Social Sciences Directory, EBSCO host, etc.)

- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of publishers : **NIL**
- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h-index : **NIL**
- 20. Areas of consultancy and income generated : **NIL**
- 21. Faculty as members in
 - a) National committees : **NIL**
 - b) International Committees : **NIL**
 - c) Editorial Boards : **NIL**
- 22. Student projects
 - a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**
- 23. Awards / Recognitions received by faculty and students : **NIL**
- 24. List of eminent academicians and scientists/ visitors to the department : **NIL**
- 25. Seminars/ Conferences/Workshops organized & the source of funding
 - a) National - **NIL**
 - b) International - **NIL**
- 26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	138	87	51	
	2015-16		176			
	2014-15		175			
	2013-14		219			
	2012-13		211			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**

29. Student progression

Student progression	Against % enrolled
UG to PG	N.A.
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- | | |
|---|------------------|
| a) Library | : Central |
| b) Internet facilities for Staff & Students | : YES |
| c) Class rooms with ICT facility | : NO |
| d) Laboratories | : NIL |

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

1. **Dr. Sanjeev Jain**

- **Attended Seminar on “Role of FDI in the preservation of Historical Heritage in India : Need and Prospects” held on 15-16 March, 2015 at Govt. Degree College, Mathura**
- **Attended National Seminar on “Factors which effected J. L. Nehru to decide initial foreign policy in independent India” held on 4-6 December, 2015 at Agra College, Agra sponsored by UGC and ICSSR.**
- **Attended National Seminar on “मानवाधिकार का वर्तमान वैश्विक परिदृश्य एवं विश्व शानित” held on 22-23 December, 2015 at Akbarpur Degree College, Kanpur Dehat**
- **Attended National Seminar on “Strategies to market the concept of Swachh Bharat” held on 4-5 January, 2016 at Govt. PG College, Bindki, Fatehpur sponsored by ICSSR.**
- **Attended National Seminar on “Environmental concerns in India during British Period” held on 7 Febuary, 2016 at Govt. PG College, Bindki, Fatehpur sponsored by ICSSR.**
- **Attended National Seminar on “Oldways of wste disposal management in India” held on 27-28 February, 2016 at U. P. Govt. College, Lucknow**
- **Attended National Seminar on “Role of Biotechnology in Sustainable Agriculture and Rural Development” at R.B.S. College, Agra from 4-5 March, 2017**

33. Teaching methods adopted to improve student learning :

- **Group Discussion**
- **Debate**
- **Presentation by Students**
- **Quizing**
- **Question and answer method**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Providing training to students in literacy and cultural activities.**

35. SWOC analysis of the department and Future plans

STRENGTHS :

- a) Proper infrastructure.
- b) Internet facility.
- c) Rich campus library.
- d) competent and sincere faculty.

WEAKNESSES :

- a) Lack of modern equipment like computer, LCD projector, visuliser, intractive board, etc.
- b) Lack of department library.
- c) Overloaded teacher as one teacher has to teach 7 papers.
- d) Quality and communication skills. of students are poor. Students are less exposed and are generally from the rural background.

OPPORTUNITIES :

- a) To upgrade the department for PG and M.Phil.
- b) More scope to use modern teaching aid.

CHALLENGES :

- a) To face high competition with other colleges.
- b) To get more and more students successfullin competitive examinations.
- c) Most of the students are from rural and weaker section of the society, thus, it is a great challenge to provide holistic education.

FUTURE PLAN :

- To get P.G. classes and research facilities.
- Teachng most of the classess with audio video aids like using LCDs, intractive boards, etc.
- To give field exposure to students by organizing History Tours.
- To organisethe national saminar in history.

ANNEXURE – 01**Detail of Publications****1. Dr. Sanjeev Jain**

Sl. No	Title of Paper	Name of Journal	ISSN No.
1	उत्तर भारत के संतों का मुगलकालीन सामाजिक मूल्यों एवं परम्पराओं पर प्रभाव	Humanities and Social Sciences : Interdisciplinary Approach	0975-7090
2	मुगलकालीन भक्तों की दृष्टि से समकालीन सामाजिक संस्कार एवं लोक विश्वास	Humanities and Social Sciences : Interdisciplinary Approach	0975-7090
3	उत्तर मध्यकालीन भारत के लोक जीवन में खेल : समकालीन हिन्दी स्त्रोतों के आधार पर एक विश्लेषणात्मक अध्ययन	Humanities and Social Sciences : Interdisciplinary Approach	0975-7090
4	मुगलकालीन हिन्दु समाज में पर्व समकालीन भारतीय स्त्रोतों के आधार पर एक विश्लेषण	Humanities and Social Sciences : Interdisciplinary Approach	0975-7090
5	मध्यकालीन इतिहास के हिन्दी स्त्रोतों में आमोद प्रमोद – जनसाधारण के विशेष संदर्भ में	Humanities and Social Sciences : Interdisciplinary Approach	0975-7090

3. Evaluative Report of the Departments

DEPARTMENT OF DEFENCE & STRATEGIC STUDIES

1. Name of the Department : **DEFENCE AND STRATEGIC STUDIES**
2. Year of Establishment : **UG : 1944**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. A.)**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	02
Assistant Professors	02	---

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Y. V. S. Chauhan	M. A., Ph.D.	Associate Professor		34	
Dr. Rajnish Kunwar	M. Sc., Ph.D.	Associate Professor		13	

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 42%**
Practical – 30%

13. Student -Teacher Ratio (programme wise) :

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	01	01
Lab. Attendant	---	---

15. Qualifications of teaching faculty with **02** : **M. A.-01, M.Sc.-01, Ph. D. -**
DSc/ D.Litt/ Ph.D/ MPhil / PG.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **01 funded by UGC**
Rs. 140000/-

18. Research Centre /facility recognized by the University : **No**

19. Publications :

* a) Publication per faculty : **30**

* Number of papers published in peer reviewed journals (national / : **09**

- international) by faculty and students
- * Number of publications listed in : **08**
International Database (For Eg:
Web of Science, Scopus, Humanities
International Complete, Dare
Database - International Social
Sciences Directory, EBSCO host, etc.)
 - * Monographs : **NIL**
 - * Chapter in Books : **04**
 - * Books Edited : **NIL**
 - * Books with ISBN/ISSN numbers with : **01**
details of publishers
20. Areas of consultancy and income generated : **1. Parivaar Paramarsh Kendra**

2. Helpdesk-2014, Dr. B. R. Ambedkar University, Agra

3. Board of Studies, Dr. B. R. Ambedkar University, Agra
21. Faculty as members in
- a) National committees : **NIL**
 - b) International Committees : **NIL**
 - c) Editorial Boards : **NIL**
22. Student projects
- a) Percentage of students who have : **100%**
done in-house projects including inter
departmental/programme
 - b) Percentage of students placed for :
projects in organizations outside
the institution i.e.in Research laboratories/
Industry/ other agencies

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/
visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of
funding

a) National - **NIL**

b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. A. Part - I	2016-17	665	110	78	32	
	2015-16		112			
	2014-15		99			
	2013-14		162			
	2012-13		127			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. A. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **NIL**

29. Student progression

Student progression	Against % enrolled
UG to PG	NIL
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Central Library**
- b) Internet facilities for Staff & Students : **YES**
- c) Class rooms with ICT facility : **YES**
- d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Assignments & Tests**
- **Group Discussion**
- **Special Lecturers on regular basis.**
- **Paper Presentation**

- Participated in a Refresher Course as a Compulsory requirement for CAS, ie.- Reader/ Selection Grade from D. D. U. University, Gorakhpur from 10.03.2010 to 30.03.2010

33. Teaching methods adopted to improve student learning :

- **Black-board**
- **Overhead Projector**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) To make use of modern teaching Aids-LCD projects etc.
- (2) To Organize tours to different national and international Institutes, as Institute of Defence studies and Analysis, Babha Atomic Research Centre, Indian Military Academy, Dehradun, National Defence Academy, Army Officers Training Schools, Nagpur
- (3) To Organize seminars at least once in a year.
- (4) To enrich Departmental library.
- (5) To purchase Cartography and Map Reading equipments for the enrichments of the students
- (6) To have one sand model room
- (7) To organize field trips to organize social service and community development programmes.

ANNEXURE-I**Dr.Rajnish Kunwar:****Published Papers in Journals**

S.N.	Title with page nos.	Journal	ISSN/ ISBN No.
1	“भारतचीनसम्बन्धोंकानया अध्याय: संभावनायें एवंचुनौतियाँ” 99-106	तूणीर Vol-9, Tear-4, Aug. 2007	ISBN: 789-81-904574-1-5
2	“जनसंख्या विस्फोट एवंभारत की आन्तरिकसुरक्षा” 265-275	THE INSIDE Vol.- 4, No.- 4, 2009	ISSN: 0974-1976
3	“आतंककानयाचेहरा: भारत के सन्दर्भमें” 104-108	Humanities & Social Sciences: Interdisciplinary Approach Dec. 2009	ISSN: 0975-7090
4	“Indo-Myanmar Bilateral Relation” 49-50	Humanities & Social Sciences: Interdisciplinary Approach June 2010	ISSN: 0975-7090
5	“राष्ट्रीय सुरक्षातैयारी: आतंकवाद के परिप्रेक्ष्य में” 133-135	Humanities & Social Sciences: Interdisciplinary Approach Dec. 2010	ISSN: 0975-7090
6	“दूरसंवेदनकाविकास एवंभारतमेंइसकाअनुप्रयोग” 58-65	ShodhDhara Dec. 2010	ISSN: 0975-3664
7	“कौटिल्य अर्थशास्त्र काराजनीतिकविश्लेषण” 220-233	THE INSIDE Vol.-06, 2011	ISSN: 0974-1976
8	Basic Features of American Foreign Policy with reference of it's interest in Asia 70-73	Journal of Scientific & Technological Research Sep., 2011	ISSN: 2231-4709
9	“Manipur: In a Strange Whirlpool Of Cross-Current Insurgency” 49-52	Journal of Scientific & Technological Research March, 2012	ISSN: 2231-4709
10	“इन्टरनेट बढ़तीसाइबरसमस्याएँ राष्ट्रीय सुरक्षा के समक्ष चुनौती 78-79	Humanities & Social Sciences: Interdisciplinary Approach June. 2012	ISSN: 0975-7090
11	“भारत की राष्ट्रीय सुरक्षा एवंनक्सलवाद (चन्दौली जनपद के सन्दर्भ में)”	Humanities & Social Sciences: Interdisciplinary Approach	ISSN: 0975-7090

	67-73	Dec. 2012	
12	Science & Warfare: An Analytical Study 47-51	Journal of Scientific & Technological Research Sep., 2013	ISSN: 2231-4709
13	भारतकाराष्ट्रीय उपग्रहकार्यक्रम: विकास एवंउपलब्धियों104-107	Humanities & Social Sciences: Interdisciplinary Approach Dec. 2013	ISSN: 0975-7090
14	Wireless Border Security System for Military Using GSM Modem 28-31	Journal of Scientific & Technological Research March, 2014	ISSN: 2231-4709
15	सूचनाकाअधिकारअधिनियम: व्यापकता एवंउपादेयता58-60	Humanities & Social Sciences: Interdisciplinary Approach June, 2014	ISSN: 0975-7090
16	“नक्सलवाद: ऐतिहासिकपृष्ठभूमि, कारण एवंनिवारण की संभावनाये” 151-165	ShodhDhara June-Sep. 2014	ISSN: 0975-3664
17	India’s Nuclear Doctrine & Policy 19-29	Journal of Scientific & Technological Research September, 2014	ISSN:2231-4709
18	“नाभिकीय परीक्षण 1998 तथापाकिस्तान की नाभिकीय नीति” 70-74	Humanities & Social Sciences: Interdisciplinary Approach December, 2014	ISSN: 0975-7090
19	Terrorism in South Asia & India’s Strategic Response 22-32	Journal of Scientific & Technological Research March, 2015	ISSN: 2231-4709
20	वैश्वीकरण के युगमेंसुरक्षाचुनौतियों के बदलतेआयाम (भारत-चीन सम्बन्धों के परिप्रेक्ष्य में)	Humanities & Social Sciences: Interdisciplinary Approach June, 2015	ISSN: 0975-7090
21	नेपाल की राजशाहीव्यवस्थातथामाओवादीआन्दोलन के कारणसंविधाननिर्माण के समक्ष चुनौती: अन्तर्राष्ट्रीय परिदृश्य के सन्दर्भमें एक अवलोकन	Printing Area July, 2015	ISSN: 2394-5303
22	आतंकवाद के व्यापकस्वरूप एवंविकास की विवेचना	VidhyaVarta Sep., 2015	ISSN: 2394-5303
23	भारतकाउपग्रहविकासकार्यक्रम	ShodhDhara Sep. 2015	ISSN: 0975-3664
24	Science & Warfare: An Analytical Study 47-51	Journal of Scientific & Technological Research September, 2015	ISSN: 2231-4709
25	पश्चिमबंगालमेंबोंगलादेशी शरणार्थी एवंप्रव्रजन की समस्या के आयाम 99-104	Humanities & Social Sciences: Interdisciplinary Approach December, 2015	ISSN: 0975-7090
26	Narco-Terrorism & Ficn: A Threat to National Security 33-38	Journal of Scientific & Technological Research September, 2015	ISSN: 2231-4709
27	भारतीय राजनय की चुनौतियाँ 45-48	रक्षाअनुसंधान January, 2016	ISSN: 2250-3323
28	आत्मनिर्भरहोतीभारत की रक्षातैयारियाँ 78-89	तूणीर August, 2016	ISSN: 0974-2360
29	Land Relations in British India 31-33	Journal of Scientific & Technological Research March, 2016	ISSN: 2231-4709

30	आर्थिकउदारीकरणनिजीकरण एवंवैश्वीकरण के सन्दर्भमेंभारतीय विदेशनीति (श्रीनरसिम्हा राव के विशेषसन्दर्भ में) 61-64	Humanities & Social Sciences: Interdisciplinary Approach June, 2016	ISSN: 0975-7090
31	Indo-Bangladesh Bilateral Relationship 44-46	Journal of Scientific & Technological Research September, 2016	ISSN: 2231-4709
32	भारतकानाभिकीय सिद्धान्त: एक विश्लेषणात्मक अध्ययन 119-124	Humanities & Social Sciences: Interdisciplinary Approach December, 2016	ISSN: 0975-7090

Articles/Chapters published in Books

S.N.	Title with Page nos.	Book Title, editor & publisher	ISSN/ISBNNo.
1	“संयुक्तराष्ट्र संघऔरइराकसंकट” 174- 180	“स्त्रातेजिकवातावरण”, Dr. K.N. Shukla Radha Publication, New Delhi Pub. year- 2008	ISBN: 81-7487-596-4
2	“अन्तर्राष्ट्रीय राजनीतिमेंप्रतिबन्धों की भूमिका एवंसंयुक्तराष्ट्र संघ” 120-124.	“शांति, सुरक्षाऔरविकास की समस्याएं” Dr. K.N. Shukla Radha Pub., New Delhi Pub. year- 2009	ISBN: 81-7487-598-0
3	“हिन्दमहासागरकाभू-राजनीतिकमहत्व एवंभारत” 88-97	“भारत की आन्तरिकसुरक्षासमस्याएं” Dr. V. Singh & Dr. D. Dwivedi Adhyayan Publishers & Distributors, New Delhi Pub. year- 2009	ISBN: 978-81-8435-211-5
4	“भारतमेंनक्सलवाद: समस्याओंसेघिरीआन्तरिकसुरक्षा” 266-275	“दक्षिण एशियामेंसुरक्षाचुनौतियों के नए आयाम” Mohit Pub., N.Delhi Pub. year- 2012	ISBN: 978-81-7445-640-3
5	भारतमेंसौरऊर्जा: आवश्यकता, प्रयोग एवंविकास 193-206	“भारत की आन्तरिकसुरक्षा एवंऊर्जासुरक्षा” Raj Pub., N.Delhi Pub. year- 2013	ISBN: 978-93-82281-08-5

Sole Author Book

S.N.	Book Title	publisher	ISBN No.
1	चन्दौलीमेंनक्सलवाद: चुनौतियाँ एवंसंभावनायें	राधापब्लिकेशन्स 4231 / 1, अन्सारीरोड, दरियागंज, नईदिल्ली	ISBN: 81-7487-971-4

Research Project

S.N.	Title	Agency	Period	Grant
1	भारत की राष्ट्रीय सुरक्षा एवंनक्सलवाद: चुनौतियाँ एवंसंभावनायें (उत्तर प्रदेशमेंनक्सलवादसेप्रभावितचन्दौलीजनपद के विशेषसन्दर्भ में)	Minor R. P. accepted by U.G.C.	1 Year 07 Months	Rs.140000.00

Participation in National & International Seminars, Symposiums, Conferences & Workshops:

Title of the paper presented	Title of Conference/Seminar etc	Organized by
“दक्षिण एशियामें एक नाभिकीय शक्ति के रुपमेंभारत के कदम ”	“Peace and Security in South Asia” 17 th to 19 th October 1997	XII th Annual session of the N. C. D. S. held at D.D.U. University, Gorakhpur
Human Rights and National Security	Human Right and National Security 10 th December 1997	The Council for Security & Advanced Strategic Studies & Dept. of DSST, D.D.U. Uni., Gorakhpur
“पोखरन-II के उपरान्तभारतीय राष्ट्रीय सुरक्षाहेतुचुनौतियाँ एवंप्रत्युत्तर”.	“पोखरनविस्फोट के पश्चात् राष्ट्रीय सुरक्षापरिदृश्य” 10 th August 1998	NCDS, Ballia Unit & Dept. of DSST, S.M.M. T.P.G. College, Ballia
“मानवाधिकार: सुरक्षा एवंजनसंचारमाध्यम की भूमिका”	“मानवाधिकार : सुरक्षा एवंजनसंचारमाध्यम की भूमिका” 10 th December 1998	NCDS, Ballia Unit & Dept. of DSST, S.M.M. T.P.G. College, Ballia
“भूमण्डलीयकरण: समझौता या राष्ट्रीय सुरक्षाकोचुनौती”.	“Globalization & National Security” 3 rd to 5 th February 1999	XIII th Annual session of the NCDS and National Conference held at Punjabi University, Patiala
“मानवाधिकार एवंभारतीय कानून”	“Human Rights, National Security and Media” 20 th February 1999	Dept. of DSST, D. D. U. Gorakhpur University, Gorakhpur
“कारगिलसंघर्ष एवंभारतीय सुरक्षापरिदृश्य”	“कारगिलसंघर्ष के पश्चात् भारतीय सुरक्षा के बदलतेआयाम” 21 st August 1999	Ballia Unit of NCDS and the Dept. of DSST, S.M.M.T.P.G. College, Ballia
“मानवाधिकारों के संरक्षणमेंसुरक्षाबलों की भूमिका एवंआतंकवाद”.	“मानवाधिकार के संरक्षणमेंन्यायपालिका एवंसुरक्षाबलों की भूमिका” 10 th December 1999	Ballia Unit of NCDS and the Dept. of DSST, S.M.M.T.P.G. College, Ballia
“युद्ध व शस्त्रीकरणमेंअन्तःसम्बन्ध एवंनिःशस्त्रीकरणहेतुचुनौतियाँ”	“Armament & History” 27 th & 28 th February 2004	Dr. S. P. M. Govt. D. College, Phaphamau, Allahabad & CSIR & ICHR, New Delhi
“विश्वविद्यालय अनुदानआयोग: विश्वविद्यालयीय एवंमहाविद्यालयीय विकासका एक वित्तपोषीअभिकरण ”	“U.G.C. and Higher Education & It's Role in Personality Development of Teachers & Students” 9 th & 10 th October 2004	U.G.C. & Academic Staff College Gwalior (M.P.)
“जनसंख्या विस्फोट एवंभारत की आन्तरिकसुरक्षा”	“Security Environment & Threats to the India's Internal Security” 27 th & 28 th Jan. 2007	Dept. of Defence Studies, P.C.Bagla College, Hathras & sponsored by U. G. C.
“Challenges for Higher Education: Vision 2015”	“Higher Education: Vision 2015 17 Feb. 2008	Govt. P. G. College, Noida.
“Teaching Methodology: Adequacy of Audiovisual	WORKSHOP 26 th & 27 th October	Dept. of Education, Swami Keshavanand Teachers

Technique”	2008	Training Girls College, Laxmangarh, Alwar
Importance of Lesson Planning in Education	Workshop on Lesson Planning 15 & 16 Nov. 2008	Dept. of Education, Swami Keshavanand Teachers Training Girls College, Laxmangarh, Alwar
“भारतीय सामाजिकपरिदृश्य एवंजनसंख्या”	“प्रथमसमाजशास्त्रीय सम्मेलन 2009” 01 जनवरी 2009	A. K. College, Shikohabad.
“Privatization of Teacher Education: Issues & Consequences”	“Teacher Education in India Contemporary Scenario” 20 th & 21 st Sep. 2009	Dept. of Education, Swami Keshavanand Teachers Training Girls College, Laxmangarh, Alwar
“माओवादियों की बढ़तीगतिविधियाँ एवंभारत की आन्तरिकसुरक्षा”	“Contemporary Scenario of Humanities & Social Sciences” 20 th & 21 st Feb. 2010	Faculty of Humanities & Social Sciences, S. V. College, Aligarh
“वैश्विकपरिदृश्य मेंभारतीय नारी”	“भूमण्डलीकरण, मीडियाऔरनारी” 3 rd & 4 th April 2010	M. B. D. Govt. Girls College, Aawalkhera, Agra & sponsored by U. G. C.
“India’s National Security and Environmental Education”.	“Environmental Education: A Pledge to Save the Earth” 2 nd & 3 rd July 2010	Faculty of Education, Dayalbagh Educational Institute Deemed University, Dayalbagh, Agra.
“भारतमेंनक्सलवाद की समस्या एवंउसकासमाधान”	“नक्सलवादबनामआन्तरिकसुरक्षा: चुनौतियाँ औरसमाधान” 28 th & 29 th Aug. 2010	J.L.N.S.P.G.College, Mahrajganj, Gorakhpur & sponsored by U.G.C.
“संघर्षसमाधान के परिप्रेक्ष्य मेंगोंधीदर्शन”	“Gandhi: The Man & Mission” 1 st October 2010	Smt. B. D. Jain Girls P. G. College, Agra & sponsored by U.G.C.
Importance of Micro Teaching in Education	Workshop on Micro Teaching 10 & 11 Oct. 2010	Dept. of Education, Swami Keshavanand Teachers Training Girls College, Laxmangarh, Alwar
“Vedic Period’s Spirituality & Ethics in Management”	“Spirituality & Ethics in Management” 30 & 31 Oct. 2010	S.M.S., Varanasi & Centre for Spiritualism and Human Enrichment
“मानवाधिकार की व्यापकता एवंउपादेयता”	“मानवाधिकारोंकासामाजिकस्वरूप एवंकल्याणकारीराज्य की भूमिका” 14 & 15 Nov. 2010	Govt. Girls P. G. College, Sirsaganj, Firozabad & sponsored by U.G.C
“सशक्तिकरण की ओरभारतीय महिला के बढ़तेकदम”	“भारतमेंमहिलासशक्तिकरणबनाममहिलाविकास: आवश्यकता एवंक्रियान्वयन” 22 to 28 Nov. 2010	Govt. Girls P. G. College, Sirsaganj, Firozabad & sponsored by U.G.C
“Globalization & it’s Impact on Higher Education”.	“Excellence: Vision 2020” 19 th December 2010	R.B.S. College, Agra
“भारतीय परिप्रेक्ष्य मेंबदलतेमानवमूल्य”	“Promotion of Ethics & Human Values” 16 th & 17 th January 2011	Agra College, Agra & sponsored by U.G.C
“In New Era Challenges for India’s National Security”.	“नईसदीमेंभारत—दशा एवंदिशा” 26 th & 30 th January 2011	Tilak P. G. College, Auraiya& sponsored by U. G. C.
“आतंकवादसेभारत की सुरक्षाकोउभरते खतरे”	“Imperatives of Internal Security: Tackling Terror”	P. C. Bagla College, Hathras& sponsored by

	26 th & 27 th Feb. 2011	U. G. C.
“Globalization & Indian Society”.	“Globalization & Indian Society: Challenges & Prospects” 4 th to 5 th March 2011	Sri M. M. T. P. G. College, Ballia & sponsored by U. G. C. and ICSSR
“Biological Terrorism: The Next Big Thing”	“आतंकवाद की वैश्विक अवधारणा और भारतीय अर्थव्यवस्था पर इसका प्रभाव” 13 th to 14 th March 2011	D. V. College, Urai, Jaloan & sponsored by U. G. C.
“नक्सलवाद के प्रभावी उपाय के रूप में ग्रामीण लघु उद्योग”	“परिवर्तित आर्थिक पर्यावरण में गाँवों में सुदृढ़ बुनियादी आधार से रोजगार संभावनाएँ” 03 to 04 April 2011	Govt. Girls P. G. College, Sirsaganj, Firozabad & sponsored by U.G.C.
New Dimensions of Security Challenges in South Asia: Diagnosis & Prognosis	New Dimensions of Security Challenges in South Asia: Diagnosis & Prognosis 15 & 16 Oct. 2011	K.S.Saket P. G. College, Ayodhya, Faizabad. & sponsored by U.G.C.
Naxal Movement in India & National Security	Naxal Violence: A Grave Threat to Security 10 & 11 Sep. 2011	Allahabad Degree College, Allahabad. & sponsored by U.G.C.
“राष्ट्रीय एकीकरण में युवाओं की भूमिका”	“हिंदी मीडिया की सामाजिक उत्पादेयता युवा पीढ़ी और रोजगार” 03 & 04 Feb. 2012	Deptt. of Hindi, Dayalbagh Educational Institute Deemed University, Dayalbagh, Agra.
Jawaharlal Nehru as a Socio-economic Reformer	“आधुनिक भारत के निर्माता पं० जवाहरलाल नेहरू” 06 Feb. 2012	A.N.D.K. College, Gonda & sponsored by U. G. C.
Mental Health of Border Security Force Personnel	Mental Health & Well-Being: Recent Trends & Interventions 06-07 Feb. 2012	Agra College, Agra & Dept. of Higher Education, Govt. of U.P., Lucknow
“मानवाधिकार एवं राष्ट्रीय सुरक्षा”	“भारतीय परिप्रेक्ष्य में मानवाधिकार” 12 Feb. 2012	J.S.H.P.G. College, Amroha & sponsored by U.G.C.
“Spiritual Paradigm Crises Surmounting Global Management Crisis in Vedic Period”	“Spiritual Paradigm Crises Surmounting Global Management Crisis” 24 & 26 Feb. 2012	S.M.S., Varanasi & Centre for Spiritualism and Human Enrichment
“नैतिकता एवं मानव मूल्यों का संवर्द्धन: सामयिक आवश्यकता”	“नैतिकता एवं मानव मूल्यों का संवर्द्धन सामयिक आवश्यकता” 19 & 20 March 2012	U.G.C. & Govt. Girls P. G. College, Sirsaganj, Firozabad
“Role of Information & Communication Technology in India’s National Security”	English Language Reaching and Information & Communication 26 to 28 April 2012	U.G.C. & Govt. P.G. College, Lansdowne, Uttarakhand.
“भारत में सौर ऊर्जा”	“India’s Energy Scenario & National Security” 28-29 Oct. 2012	Sakaldiha P.G. College, Sakaldiha & sponsored by U. G. C.
Contemporary Scenario of Globalization in India”: Challenges & Responses	Globalization: Issues & Challenges 10-11 Nov. 2012	Kunwar Educational Society for Research & Development, Agra
“भारतीय वायु सेना में महिलाएँ: विकास का नया आयाम”	“भारत में 21 ^{वीं} शताब्दी में नारी: दशा और दिशा” 08 to 09 Dec. 2012	Govt. Girls P. G. College, Sirsaganj, Firozabad & sponsored by U.G.C.
Reforms in Examination and Evaluation (2E) & it’s Impact on Quality Education	Reforms in Examination and Evaluation (2E) & it’s Impact on Quality Education 20-21 Jan 2013	R. B. S. College, Agra & I.S.E.E., Chennai.
Quality of Higher Education in India: Problems & Solutions	Quality of Higher Education in India: Problems & Solutions 15 & 16 Feb. 2013	Dr. B.R.A.U.E.W. Association, Agra, Indian Eco. Association

		&Symbozia G. College, Agra.
Gandhian Technology of Conflict Resolution	Gandhian Ideology & its Relevance in the Present Times 23-24 Feb. 2013	Agra College, Agra & sponsored by Higher Education Govt. of U.P.
Human Rights & National Security: A Contemporary Scenario	Human Rights & Media 15-16 June 2013	Kunwar Educational Society for Research & Development, Agra
“Environment, Human Rights & National Security in India”	Environment & Human Rights 16 & 17 March 2013	Govt. P. G. College, Khair, Aligarh & Sponsored by U.G.C.
Human Rights Education & Civil Society	Human Rights Education & Civil Society (Workshop) 18 - 24 March 2013	Govt. P. G. College, Khair, Aligarh & Sponsored by U.G.C.
“सैन्यकर्मियोंमेंमानसिकदबाव के कारण एवंनिदान के उपाय”	Applicability & Relevance of Psycho-educational Testing in Human Life 21-22 Sep. 2013	Harprasad Institute of Behavioral Studies (HIBS), Agra & I.P.E.R.A
Impact of Social on the Development of Indian Society	Vignettes of Humanities, Social Sciences & Basic Sciences in the Development of Indian Society 09-10 Nov. 2013	Kunwar Educational Society for Research & Development, Agra
Holistic Approach in Present Education	Holistic Approach in Present Education 21-21 Jan. 2014	I.S.E.E., Chennai, G.E.R.A., Bhopal & S. C. S. College, Puri
Socio-Cultural Constraints of Women Empowerment	“Globalization: Impact on Rights of Women” 9-10 March 2014	LSSSS Govt. Degree College Mant, Mathura & sponsored by Higher Education Govt. of U.P.
“आर्थिकअसमानता एवंकसलवाद”	Naxalism: Understanding the issues, challenges & alternative approaches, 30-31 March 2014	S. V. College, Aligarh & sponsored by Higher Education Govt. of U.P.
“भारतकासुरक्षापरिदृश्य एवंविदेशनीति”	Contemporary Scenario of Humanities, Social Sciences & Basic Sciences 14-15 June 2014	Kunwar Educational Society for Research & Development, Agra
Media & Civil Defence	Media & Civil Society: Challenges and Perspectives 08-09 Nov. 2014	Kunwar Educational Society for Research & Development, Agra
Human Rights among Civilizations and International Security	Threats to Human Rights: The Intervention Strategies by Global Society 21-22 Sep. 2014	Harprasad Institute of Behavioral Studies (HIBS), Agra & I.P.E.R.A
“Spirituality: The Essence of Ethical Leadership & Management in India”	Spirituality: The Essence of Ethical Leadership & Management 22- 24 Nov. 2014	S.M.S., Varanasi & Claflin Uni., USA.
“भारत के राष्ट्रीय विकासमेंसौरऊर्जा: नीतियाँ, योजनायें एवंआवश्यकतायें”	Natural Resource Management: Policy & Planning 23-24 Dec. 2014	S. V. College, Aligarh & sponsored by Higher Education Govt. of U.P.
“Gender Equality & Status of Women”	Women Empowerment: A Challenge of 21 st Century. 23 & 24 Feb. 2015	P.R. Govt. Girls P.G. College, Etawah& sponsored by Higher Education Govt. of U.P.
“Role of Higher Education System in Defence Studies: Safely &	Role of Higher Education System in Context of Socio-economic & Scientific	Govt. P.G. College, Jalesar, Etah& sponsored by Higher

Development ”	Standards 12 & 13 March 2015	Education Govt. of U.P.
KEYNOTE SPEAKER Potential Return of FDI in India	“Potential Return of FDI in India” 15-16 March 2015	LSSSS Govt. Degree College, Mant, Mathura & sponsored by Higher Education Govt. of U.P.
Human Rights Education & Dalit Women	Human Rights Education & Dalit Women (Workshop) 13-19 June 2015	Govt. P. G. College, Khair, Aligarh & Sponsored by U.G.C.
“भारतमेंमहिलासशक्तिकरण के प्रयास: चुनौतियाँ एवंसंभावनायें”	Women Empowerment in India: Contemporary Issues, Challenges& Horizons 20-21 June 2015	Kunwar Educational Society for Research & Development, Agra
Role & Use if ICT in Higher Education	Changing Perspectives & Challenges of Teachers Education 26-28 Sep. 2015	Harprasad Institute of Behavioral Studies (HIBS), Agra & I.P.E.R.A
Defence Challenges in Rising India	19th UP Pol. Sci. Convention 4-6 Dec. 2015	Agra College Agra, ICSSR & U.G.C.
“सामाजिकन्याय एवंमानवाधिकार”	Present Global Scenario of Human Rights & Sarvidaya-Philosophy 22- 23 Dec. 2015	Akbarpur D. College, Akbarpur, Kanpur & U.G.C.
Clean India Campaign & Social Media	Swachh Bharat Campaign 2014 04-05 Jan 2016	Govt. Girls P. G. College, Bindki, Fatehpur & U.G.C.
“क्रियात्मकअनुसंधान एवंन्यून कक्षाउपस्थिति”	Classroom Attendance: An Indicator in the Relevance of Education to Life 30-31 Jan. 2016	S. S. K. Girls Degree College, Allahabad & U. G. C.
Emerging Environmental Concerns & Sustainable Development	Emerging Environmental Concerns & Sustainable Development 07 Feb. 2016	Govt. Girls P. G. College, Bindki, Fatehpur & U.P. Higher Education
“धार्मिकआतंकवाद: वैश्विकचुनौती के रुपमें”	Terrorism in South Asia: Issues, Challenges & Options 13-14 Feb. 2016	Bapu P.G. College, Pipiganj, Gorakhpur & ICSSR
“उच्चशिक्षाकाभारतीय राष्ट्रीय सुरक्षापरप्रभाव: नक्सलवाद के विशेषसन्दर्भमें”	Recent Initiatives in Higher Education 20-21 Feb. 2016	Govt. P. G. College, Fatehabad, Agra & U.P. Higher Education
Basic Research Methodology & Statistical Analysis	Basic Research Methodology & Statistical Analysis (Workshop) 22-28 Feb. 2016	A. K. College, Shikohabad & TAPESYA
“अहिन्दीभाषी क्षेत्र औरसीमासुरक्षा बल: दशाऔरदिशा”	“हिन्दीकाराष्ट्रीय एवंअन्तर्राष्ट्रीय परिदृश्य” 25 April -01May 2016	K.M.I., Dr. B.R.A. Uni., Agra, Kendriya Hindi Sansthan, Agra & UGC
“उच्चशिक्षामें रक्षा एवं स्त्रातजिक अध्ययन विषय की उपयोगितातथा भविष्य”	Current Initiatives in Higher Education, 22 January 2017	Govt. P. G. College, Fatehabad, Agra & U.P. Higher Education
Biotechnology for Promotion of Rural Development	Role of Biotechnology in Sustainable Agriculture & Rural Development 04- 05 March 2017	R. B. S. College, Agra & U.P. Higher Education
Science, Technology and National Security	Innovations in Science & Society 05-06 March 2017	Govt. Degree College Mant, Mathura & U.P. Higher Education

3. Evaluative Report of the Departments

DEPARTMENT OF ACCOUNTANCY & LAW (COMMERCE)

1. Name of the Department : **ACCOUNTANCY & LAW**
2. Year of Establishment : **UG – 1942**
PG - 1948
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Com.)**
PG (M. Com.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	03
Assistant Professors	04	01

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Kalpana Bansal	M. Com., Ph. D.	Associate Professor	Accounts	28	05
Dr. Ranjan Porwal	M. Com., Ph. D.	Associate Professor	Accounts	24	---
Dr. Sanjeev Pal Singh	M. Com., Ph. D.	Assistant Professor	Accounts	14	---
Dr.R.K.Jain	M. Com., Ph. D.	Associate Professor	Accounts	46	5/36

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **NIL**
13. Student -Teacher Ratio (programme wise) : **UG – 500 : 1**
PG – 90 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	---	---

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Com., Ph. D. - 04**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **Yes**
Dr. B. R. Amedkar
University,
Agra
19. Publications : **Annexure - 02**

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Kalpana	---	---
Dr. Ranjan Porwal	01	01
Dr. Sanjeev Pal Singh	---	---
Dr. R.K. Jain	---	8
Total	01	09

- * Number of papers published in peer reviewed journals (national / international) by faculty and students
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **NIL**
- * Monographs - **NIL**
- * Chapter in Books - **NIL**
- * Books Edited - **NIL**
- * Books with ISBN/ISSN numbers with details of publishers - **01**
- * Citation Index - **NIL**
- * SNIP - **NIL**
- * SJR - **NIL**
- * Impact factor - **NIL**
- * h-index - **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

- a) National committees : **Member,Peer team**
NAAC,Bangalore
- b) International Committees : **NIL**
- c) Editorial Boards : **NIL**

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **22 %**

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National - **NIL**
- b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Com. Part - I	2016-17	1541	394	158	236	
	2015-16		368			
	2014-15		389			
	2013-14		291			
	2012-13		328			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Com. Part - I	2016-17	265	79	25	54	
	2015-16		90			
	2014-15		80			
	2013-14		60			
	2012-13		62			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Com. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Com. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : No information

29. Student progression

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NA
Employed	
· Campus selection	
· Other than campus recruitment	.
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
- b) Internet facilities for Staff & Students : **Yes**
- c) Class rooms with ICT facility : **NIL**
- d) Laboratories : **NIL**

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

- **Special Lectures on regular basis.**

33. Teaching methods adopted to improve student learning :

- **ICT based**
- **Guest Lectures**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) To develop income tax information and guidance Carrier counseling, arranging seminars .
- (2) To organize in future Industrial and educational tours and field trips for students learning and enhance Industrial interface.
- (3) Research Forums has to be set up to organize departmental seminars, workshops and symposiums.
- (4) Enrich Departmental libraries.
- (5) IGNOU-EDUSAT facilities be made available.
- (6) To set up lectures room, theaters for students better learning.

ANNEXURE – 01**List of Ph. D. Scholars****Dr. Kalpana**

S.No.	Name	Title	Postion
1	Aashish Kumar Sharma	A Study of on performance of foreign banks in India (since 1998 to 2008)	Awarded
2	Anamika Kardam	Marketing strategies of public and private sector petroleum companies in India	Awarded
3	Deepti Pachori	An Analytical study of the implementation of laws relating to the regulation and welfare of labour employed in shoe industry of Agra	Awarded
4	Sandeep Kumar Sharma	सेन्ट्रल बैंक ऑफ इण्डिया की मानव संसाधन विकास नीतियां और उनके प्रभाव का आलोचनात्मक अध्यन	Awarded
5	Bhupendra Singh Rana	Options as a strategic investment in India Capital Market since 2001	Awarded

ANNEXURE – 02**Detail of Publications****Dr. Ranjan Porwal****Book Published**

1. **COST ACCOUNTING** published by Jawahar Publications, Agra

ISBN : 978-81-910176-6-3

Research Paper Published

1. **OPERATIONAL ASPECTS OF E-COMMERCE IN MANUFACTURING COMPANIES IN INDIA** – Journal of Business Thought

Vol. 4, April 2013 – March 2014 ISSN : 2231-1734

3. Evaluative Report of the Departments

DEPARTMENT OF BUSINESS ADMINISTRATION (COMMERCE)

1. Name of the Department : **BUSINESS ADMINISTRATION**
2. Year of Establishment : **UG – 1942
PG - 1948**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Com.)
PG (M. Com.)
Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	01
Assistant Professors	04	02

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Siddhartha	M. Com. (Buss. Admn.), Ph. D.	Associate Professor	---	28	02
Dr. Anand Prashar	M. Com. (A/c & Law), Ph. D.	Mandai Lecturer	...	17	---
Dr. Maninder Kaur	M. Com. (App. Buss. Eco.), Ph. D.	Mandai Lecturer	---	11	---

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **NIL**
13. Student -Teacher Ratio (programme wise) : **UG – 500 : 1**
PG – 90 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	---	---

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Com., Ph. D. - 03**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the : **Yes**

University

Dr. B. R. Amedkar
University,
Agra

19. Publications

:

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Siddhartha	---	---
Dr. Anand Parashar	---	---
Dr. Maninder Kaur	---	---
	---	---
Total	---	---

* Number of papers published in peer reviewed journals (national / international) by faculty and students

* Number of publications listed in International Database - **NIL**
(For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)* Monographs - **NIL*** Chapter in Books - **NIL*** Books Edited - **NIL*** Books with ISBN/ISSN numbers with details of publishers - **NIL*** Citation Index - **NIL*** SNIP - **NIL*** SJR - **NIL*** Impact factor - **NIL*** h-index - **NIL**20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : **NIL**b) International Committees : **NIL**c) Editorial Boards : **NIL**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **20 %**

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/ visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - **NIL**

b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Com. Part - I	2016-17	1541	394	158	236	
	2015-16		368			
	2014-15		389			
	2013-14		291			
	2012-13		328			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Com. Part - I	2016-17	324	90	30	60	
	2015-16		86			
	2014-15		80			
	2013-14		68			
	2012-13		63			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Com. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Com. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**

29. Student progression

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NA
Employed	
· Campus selection	
· Other than campus recruitment	.
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- | | |
|---|-----------------------------------|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : Yes |
| c) Class rooms with ICT facility | : NIL |
| d) Laboratories | : NIL |
31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.
- **Special Lectures on regular basis.**
33. Teaching methods adopted to improve student learning :
- **ICT based**
 - **Guest Lectures**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
35. SWOC analysis of the department and Future plans

FUTURE PLAN :

- (1) To develop a centre for career counseling and guidance
- (2) To set up Research Forums for departmental seminars workshops symposiums.
- (3) To make IGNOU-EDUSAT Facilities available to all the students of UG-PG and Research.
- (4) To Organize Educational tours to provide national and international exposure to students.

ANNEXURE – 01**List of Ph. D. Scholars****Dr. Siddhartha**

S.No.	Name	Title	Postion
1	Parmeshwar Rai	An Analytical Study of Growth & Performance of Unit Trust of India and Prospects of UTI Mutual Funds	Awarded
2	Archana	A Critical Study of Human Resources Development strategies and policies in the Punjab National Bank (Agra region)	Awarded

3. Evaluative Report of the Departments

DEPARTMENT OF APPLIED BUSINESS ECONOMICS (COMMERCE)

1. Name of the Department : **APPLIED BUSINESS ECONOMIC**
2. Year of Establishment : **UG – 1942**
PG - 1948
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Com.)**
PG (M. Com.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) : **Annual**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	02
Assistant Professors	02	---

* **Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Manu Kant Shastri	M. Com., Ph. D.	Associate Professor	---	27	06
Dr. Mridula Singhal	M. Com., Ph. D.	Associate Professor	...	17	---

11. List of senior visiting faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **NIL**

13. Student -Teacher Ratio (programme wise) : **UG – 500 : 1**
PG – 90 : 1

14. Number of academic support staff (technical) :
and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab. Assistant	---	---
Lab. Attendant	---	---

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **M. Com., Ph. D. - 02**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research Centre /facility recognized by the University : **Yes**
Dr. B. R. Amedkar
University,
Agra

19. Publications : Annexure - 01

* a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Manu Kant Shastri	06	---
Dr. Mridula Singhal	02	---
Total	08	---

* Number of papers published in peer reviewed journals : **08**
(national / international) by faculty and students

* Number of publications listed in International Database - **NIL**
(For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Monographs - **NIL**

* Chapter in Books - **NIL**

* Books Edited - **NIL**

* Books with ISBN/ISSN numbers with details of publishers - **NIL**

* Citation Index - **NIL**

* SNIP - **NIL**

* SJR - **NIL**

* Impact factor - **NIL**

* h-index - **NIL**

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees : **NIL**

b) International Committees : **NIL**

c) Editorial Boards : **NIL**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : **NIL**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **35 %**

23. Awards / Recognitions received by faculty and students :

Dr. Manu Kant Shastri

- **“Nation Builders Award 2016” by Rotary Indian Literacy Mission for valuable contribution to Nation Building as a teacher.**

24. List of eminent academicians and scientists/: **Pro. J. K. Sharma, Palwal** visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - **NIL**

b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Com. Part - I	2016-17	1541	394	158	236	
	2015-16		368			
	2014-15		389			
	2013-14		291			
	2012-13		328			

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Com. Part - I	2016-17	301	93	42	51	
	2015-16		90			
	2014-15		80			
	2013-14		60			
	2012-13		62			

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Com. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Com. Part - I	2016-17	95%	5%	---
	2015-16	95%	5%	---
	2014-15	95%	5%	---
	2013-14	95%	5%	---
	2012-13	95%	5%	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**

29. Student progression

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NA
Employed	
· Campus selection	
· Other than campus recruitment	.
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- | | |
|---|----------------------------|
| a) Library | : Departmental and Central |
| b) Internet facilities for Staff & Students | : Yes |
| c) Class rooms with ICT facility | : NIL |
| d) Laboratories | : NIL |
31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.
- **Special Lectures on motivatin, research methodology for students.**
 - **Seminars and Workshops attended by faculty :**
 1. **Dr. Manu Kant Shastri**
 - Paper presented in International Seminar on 12-13 Nov., 2011 at Dayal Bagh Educational Institute, Agra on “Free Trade Agreements in South Asia – A Study of India and SAFTA”
 - Attended National Seminar at D. S. College, Aligarh on 25-26 Feb., 2011 on “Global Financial Crisis”
 - Paper presented at Bharati Vidyapeeth, Deemed University, Pune on 27-29 Dec., 2011 on “Inclusive Growth in India – An Exclusive Vision & Strategy for the XII Five Year Plan.”
 - Paper presented at Agra College, College on 11-12 Feb., 2012 on “Irrigation in India Challenges & Way forward.”
 - Participated in National Seminar on “Business Research Methods for Research Supervisors” from 27 Feb. to 2 March, 2012 at M. L. Sukhadia University, Udaipur (Raj.)
 - Participated in National Seminar on “Viral Marketing” on 03.03.2012 at College of Business Studies, MPS Group of Institutions, Agra
 - Participated in Workshop on “Writing Research Paper” and presented paper on “An Approach towards self-reliance & sustainability of the Self Help Group (SHG)” on 27-29 Oct., 2012 at Shri Guru Ram Rai (PG) College, Dehradun
 - Presented paper at Annual conference of IEA 27-29 December 2012. Title-Economics Growth & Employment Linkages in India at

GITAM University, Visakhapatnam.

- Presented paper on “Quality of Higher Education in India: problems & Remedies Organised by Dr. B.R.Ambedkar University Economic Welfare Association on 15-16 feb 2013.
- Participated in Annual Conference on Challenges of Development in 21st Century organized by Deptt. Of Economics, St. John’s College, Agra on 22-23 feb 2014.
- Presented paper on ‘Climate Change, Sustainable Development & India’ organized by National P.G. College, Lucknow on 5-7 oct 2014.
- Presented paper on ‘Economics of Poverty Alleviation & Sustainable Growth- A case study of Indian middle class at Mohanlal Sukhadia University, Udaipur (Raj.).
- Presented paper on “Enhancing Human Resource Through Skill Development” at SRK (P.G.) College, Firozabad on 12-13 Dec 2015.
- Presented paper “at Prof. Jaya Shankar Telangana State Agriculture University, Hyderabad from 27-29 Dec. 2015.
- Participated in one day Capacity Building Workshop organized by IQAC Cell of Agra College, Agra on 27.10.2016.
- Presented paper on Challenges for success of Good & Services Tax (GST) in India “at Sri Venkateswara University Tirupati, AP from 27-29 December 2016 during 99th Annual conference of the Indian Economic Association (IEA) E. Invited Lectures/Resource Person.
- Acted as a chair person in Technical Session Ethical issues in Finance’ in a National Conference on “EAFT” 2016 organised by Deptt. Of Accounts & Law, Dayal Bagh Educational Inst. Agra on 30 March 2016.
- Delivered invited talk on “Skill Development & Entrepreneurship” organized for NSS Volunteers on 20th Dec 2016 at DEI, Agra.
- Delivered a lecture on “Skill Development” in a Seven day workshop organized by NYK, Agra at Youth Hostel, Agra on 20 Dec 2016.
- Delivered a Lecturer “Skill Development” in a Five Day Workshop organized by NYK, Agra on 27.02.2017

3. Dr. Mridula Singhal

1. Presented paper in International Seminar titled “HRM: Key to Enhance Organizational Performance in Globalized Era” at S.S. (P.G.) College, Shahjahanpur, 26th -27th Feb 2011
 2. Presented paper in National Conference titled “Human Rights Education for Social change:An Assessment” at S.S. (P.G.) College, Shahjahanpur, 28th Feb-1st March 2011
 3. Presented paper in National Seminar titled “Human Rights and Tribal Women’s Empowerment ” at S.S. (P.G.) College, Shahjahanpur, 1st-3rd March 2011
 4. Presented paper in International Seminar titled “Privatization: Do we Need to Change the Strategy?”, at S.S.(P.G.) College, Shahjahanpur, 25th -26th Feb 2012
 5. Presented paper in National Seminar titled “Impact of Taxation on Economic Development”, at K.B.J. Girls College, Bhind, (M.P.), 3rd - 4th March 2012
 6. Presented paper in National Seminar titled “Rural Development and Sustainable Livelihood in India: Scope, Opportunities and Challenges” at K.R.(P.G.) College, Mathura, 12th-13th March 2015
 7. Presented paper in National Seminar on titled, “Talent Management: A Tool for Creating Sustainable Development of an Organisation” at DEI, Agra, 6th-7th, Feb 2016
 8. Presented paper in National Seminar on titled, “Role of Self Help Groups through Microfinance in Socio-Economic Development of India: An Overview” at DEI, Agra, 12th-13th, Feb 2017
 9. Presented paper in National Seminar on titled, “Global Scenario of Financial Literacy: An Overview and its Future Prospects” at DEI, Agra, 12th-13th, Feb 2017
- Courses/Conferences attended by faculty to improve competency and update themselves for the benefit of students :

1. Dr. Manu Kant Shastri.

- Paper presented in National Conference on 16-17 Jan., 2011 at Agra College, Agra on “Work Ethic & Ethics in Work – A Study of Indian Classical Values.”

33. Teaching methods adopted to improve student learning :

- ICT based
- Guest Lectures

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities

1. **Dr. Manu Kant Shastri**

Manpower generated/Trained

Resource person for training of NSS Programme Officers at Empanelled Training Institute (ETI), an approved Training institute for NSS Po's Accredited & Sponsored by the Ministry of Youth Affairs, Skill Development & Entrepreneurship, Govt. of India during the session 2013-14 & delivered 27 Lectures on Employability skill in Youth"

2. **Dr. Mridula Singhal**

On behalf of the **All India Management Association, N. Delhi** conducted "**Campus to Corporate**" training programme at **HDFC Standard Life's, Agra** on 11th-13th July 2011

35. SWOC analysis of the department and Future plans

- STRENGTHS :**
- a) Qualified Faculty and harmony in the Department.
 - b) Regular classes.
 - c) Good attendance of students, both at UG and PG level.
 - d) Many Co-curricular activities for the students.
- WEAKNESSES :**
- a) Lack of staff. Only two permanent teachers.
 - b) Small departmental room
 - c) Less number of classes due to irregular session of the University.
 - d) No new research for last eight years.
- OPPORTUNITIES :**
- a) There is an ocean of opportunities for the department if faculty positions are increased reducing the teaching load of the present staff. Many new courses can be started as commerce education is very popular and in demand in present times.
- CHALLENGES :**
- a) The challenges are common to the formal college education like lack of student's interest and participation in college activities. No job opportunities for UG and PG students.
- FUTURE PLAN :**
- (1) To develop a centre for career Counseling and Guidance
 - (2) To set up Research Forums for departmental seminars workshops symposiums.
 - (3) To make IGNOU-EDUSAT Facilities available to all the students of UG-PG and Research.
 - (4) To Organize Educational tours to provide national and international exposure to students.

ANNEXURE – 01**Detail of Publications****1. Dr. Manu Kant Shastri**

Sl. No	Title	Name of Journal	ISSn/ISBN No.
1	Inclusive Growth in India – An Exclusive Vision & Strategy for the XII Five Year Plan	Indian Economic Journal	ISSN No. 0019-4662
2	Free Trade Agreements in South Asia – A Study of India and SAFTA	Aarthiki	ISSN No. 2449008
3	Trends & Pattern of Employment in a Globalized Indian Economy	UPUEA Economic Journal	ISSN No. 0975-2382
4	Enhancing Human Resource through Skill Development	Proceeding of National Seminar sponsored by UGC	ISBN No. 978-93-5254-260-4
5	Sustainable Agricultural Development for Poverty Alleviation : Problems & Policies	UPUEA Economic Journal	ISSN No. 975-2382
6	Challenges for the Success of Goods & Services Tax (GST) in India	The Indian Economic Journal	ISSN No. 0019-4662

2. Dr. Mridula Singhal

“Role of Microfinance Interventions in Financial Inclusion and Poverty Alleviation”	Aarthiki, Journal of Commerce, Economics and Management , Vol. 02, Issue 01, pp. 3-8, June 2015	ISSN: 2349-008X
“Environmental Accounting: An Overview”	International Research Journal of Humanities and Social Sciences: Interdisciplinary Approach, Vol. 07, Issue 01, pp. 99-102, June 2015	ISSN: 0975-7090

3. Evaluative Report of the Departments

DEPARTMENT OF EDUCATION

1. Name of the Department : EDUCATION
2. Year of Establishment : **UG : 13 AUG 1947**
PG : 1960
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG (B. Ed.)**
PG (M. Ed.)
Ph. D.
4. Names of Interdisciplinary courses and the departments/units involved : **Nil**
5. Annual/ semester/choice based credit system (programme wise) : **Annual (B.Ed.),**
Semester (M.Ed.)
6. Participation of the department in the courses offered by other departments : **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Given below

B.Ed. Course (U.P. Rajarshi Tondon Open University, Allahabad
M.A. Education (U.P. Rajarshi Open Tondon University,
Allahabad)

8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors	---	06
Assistant Professors	14	02

*** Assistant Professors are further promoted to Associate Professor.**

10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Punita Rani Maheshwari	M.A. (History), M.Ed., Ph.D. (Education)	Associate Professor	Measurement in Guidance, Guidance & Counseling	30	04
Dr. Vinod Kumar	M.A. (Geography) M.Ed., M. Phil., Ph.D. (Education)	Associate Professor	Educational Technology, Educational Psychology, Teacher Education	28	10
Dr. Vandana Saxena	M.A (Psychology), M.A. (Hindi), M.Ed., Ph.D. (Education)	Associate Professor	Guidance & Counseling	25	04
Dr. Mradula Kulshrestha	M.A. (Geography), M.Ed., Ph.D. (Education), Ph.D. (Geography)	Associate Professor	Guidance & Counseling	25	01
Dr. Veena Srivastava	M.Sc., M.Ed., Ph.D. (Education)	Associate Professor	Measurement in Guidance, Guidance & Counseling	16	Nil
Dr. Basant Bahadur Singh	M.A., M.Ed., M.Phil., Ph.D. (Education)	Associate Professor	Value Education, Educational Technology	15	06
Dr. Lalit Mohan Sharma	M.Sc. (Physics), M.Ed., NET, Ph.D. (Education)	Assistant Professor	Guidance & Counseling	11	Nil
Shri Harish Chand	M.Sc. (Chemistry), M.Ed., NET (Education)	Assistant Professor	Guidance & Counseling	08	Nil

Dr. Sudha Rani Sharma	M.A., M.Ed., Ph.D. (Education)	Retd.	Guidance & Counseling	40	06
Dr. M.P. Gupta	M.A., M.Ed., Ph.D. (Education)	Retd.	Guidance & Counseling	40	06
Dr. I.J. Nigam	M.A., M.Ed., Ph.D. (Education)	Retd.	Guidance & Counseling	40	07
Dr. Rama Rani Sharma	M.A., M.Ed., Ph.D. (Education)	Retd. (from DEI)	Educational Psychology	38	Nil

(List of Ph. D. Scholars is attached as Annexure – 01)

11. List of senior visiting faculty (Temporary) : **1. Dr. Sudha Rani Sharma
2. Dr. M.P. Gupta
3. Dr. I.J. Nigam
4. Dr. Rama Rani Sharma
Refer ANNEXURE - 02**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Lectures – 30% (B.Ed.)
Lectures – 30% (M.Ed.)**
13. Student -Teacher Ratio (programme wise) : **UG (B.Ed.) - 10:01
PG (M.Ed.) - 10:01**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : **Govern by Principal Office**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **Ph. D. - 07
M.Phil. – 02
NET – 02**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **Yes, Supervisors
Dr. B. R. Amedkar
University,
Agra**

19. Publications

: **Refer ANNEXURE - 03**

* a) Publication per faculty

Name of Faculty	Number of Papers	Number of Books
Dr. Vinod Kumar	09	03
Dr. Vandana Saxena	03	02
Dr. Mradula Kulshrestha	---	01
Dr. Veena Srivastava	02	---
Dr. Basant Bahadur Singh	12	07
Dr. Lalit Mohan Sharma	---	---
Shri Harish Chand	---	---
Dr. Sudha Rani Sharma	---	---
Dr. M.P. Gupta	08	10
Dr. I.J. Nigam	04	---
TOTAL	38	23

* Number of papers published in peerreviewed journals
(national /international) by faculty and students **02 Refer ANNEXURE – 03**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

02 Refer ANNEXURE -03

* Monographs Nil

* Chapter in Books **06 Refer ANNEXURE -03**

* Books Edited Nil

* Books with ISBN/ISSN numbers with details of publishers
Refer ANNEXURE -03

* Citation Index Nil

* SNIP Nil

* SJR Nil

* Impact factor **02 Refer ANNEXURE -03**

* h-index Nil

20. Areas of consultancy and income generated : **NIL**

21. Faculty as members in

a) National committees :

1. **Dr. Punita Rani Maheshwari,**
 - VT Member, NCTE, New Delhi.
2. **Dr. Vinod Kumar,**
 - VT Member, NCTE, New Delhi.
 - Member, All India Association of Teacher Educators, New Delhi.
 - Member, Parent Teacher Association of India, New Delhi.
 - Member, SRSD Memorial Shiksha Sodh Sansthan, Agra
 - Member, All India Association of Education Technology, New Delhi.
 - Acted as a observer **All India Pre-medical Entrance Exam 2012.**
3. **Dr. Basant Bahadur Singh,**
 - VT Member, NCTE, New Delhi.
 - IATE-Indian Association of Teacher Educators, India.
 - CTE- Council for Teacher Education (CTE) (Executive Members)
 - Sahodaya Group- CBSE Affiliated Schools of District Indore (M.P.).
 - Indian Council of Social Science Research, New Delhi.
 - Indian Educational Abstract (IEA), NCERT, New Delhi.
 - Etka Samajik Shikshan Sansthan (ESSS), Gadchiroli, Rajasthan, Register No. F2332/M.H-150/1995, 11.04.2016 (Life Member).
4. **Dr. Mridula Kulshretha,**
 - VT Member, NCTE, New Delhi.
 - Acted as a observer **UGC NET.**
5. **Dr. Sudha Rani Sharma,**
 - VT Member, NCTE, New Delhi.
6. **Dr. M.P. Gupta,**
 - VT Member, NCTE, New Delhi.
7. **Dr. I.J. Nigam,**
 - VT Member, NCTE, New Delhi.

b) International Committees : **NIL**

c) Editorial Boards

1. **Dr. Vinod Kumar**

- ANVESHANAM The Journal of Education, Global Institute of Education, Greater Noida (U.P.) from 2012 to till.
- IIMT Education Review, IIMT Group of Colleges, Greater Noida (U.P.) from 2012 to till.
- Expression A Journal of Social Science, Modern College of Professional Studies, Ghaziabad, Member of Editorial Board 2015, 2016. ISSN 2350-1456
- INQUISITIVE TEACHER, S.R.S.D. Memorial Shiksha Sodh Sansthan, Agra, ISSN 2348-3717

2. **Dr. Basant Bahadur Singh**

- Editorial Board :-Association for the Promotion of Educational Activities and Research Allahabad, (APPEAR), Allahabad, (U.P.) ISSN-0975-8666.
- Editorial Board :-International Journal of University Education Express (IJUEE), Barkatullah University, Bhopal – ISSN-2320-6934-July December-2013.
- Editorial Board :-International Journal of Education and Extension (IJEE) Indian Society for Educational and Environment, Bhopal (M.P.) ISSN-2278-537x-2014.

3. **Dr. Mridula Kulshrestha**

- Editorial Board :-Shiksha Shodh, Sirsha, Haryana, ISSN-2348-3725.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **117 (M.Ed. Dessertation)**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **NIL**

23. Awards / Recognitions received by faculty and students :

1. **Dr. Vinod Kumar**

- Dr. Arvind Ghosh Award 2010 for SRKM, Agra
- Veer Vivek National Award 2013 for Youth Empowerment , Agra.

2. Dr. Basant Bahadur Singh

- **National-** National awarded for Best Research paper, Bhopal (M.P.) 2011.
- **National-** National awarded for Innovative Researcher of the year 2012.
- **International-** Global Educational Leadership Award, Agra (U.P.) 2013.
- **National-** Samant Chandra Sekhar Siksha Samman, Puri (Orissa) 2014.
- **International** - Shri Vidya Award, Sanchi, (M.P.) 10 January 2016.
- **International**—Dr.H. K. Kapil Memorial Award of Best Educational Researcher-November 2016

3. Dr. M.P. Gupta

- Scholar of Wisdom Award 2016
- Sant Charan Das Samman 2013
- Bhagwan Parshuram Award 2013
- Swami Viveka Nand Award 2014

4. Dr. Lalit Mohan Sharma

- Best Teacher Award, Subhash Chandra Bose Jagrati Manch, Agra.

24. List of eminent academicians and scientists/: **Refer ANNEXURE - 04**
visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National :
 - National Seminar on “Teacher Empowerment and Education Excellence: Vision 2020” on 19th Dec. 2010 funding by UGC, New Delhi.
- b) International :
 - International Education Conference (IEC 2013) on “Reforms in Examination & Evaluation & its Impact on Quality Education” on 20 & 21st Jan. 2013 Self-funding by college.

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
B. Ed.	2016-18	Entrance Exam By State	82	05	77	Current Session
	2015-17	Entrance Exam By State	90	72	18	Result Awaited
	2014-15	Entrance Exam By State	83	63	20	95%
	2013-14	Entrance Exam By State	89	70	19	100%
	2012-13	Entrance Exam By State	84	69	15	98%

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
M. Ed.	2016-18	Entrance Exam By University	Session Delay	---	---	---
	2015-17	Entrance Exam By University	34	12	22	---
	2014-15	Entrance Exam By University	34	15	20	99.5
	2013-14	Entrance Exam By University	Zero Session	0	0	0
	2012-13	Entrance Exam By University	35	18	17	95%

27. Diversity of Students

Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
B. Ed.	2016-18	100	Nil	Nil
	2015-17	98	02	Nil
	2014-15	98	02	Nil
	2013-14	98	02	Nil
	2012-13	97	03	Nil
Name of the Course	Session	% of students from the same state	% of students from other States	% of students from abroad
M. Ed.	2016-18	Session Delay	Nil	Nil
	2015-17	100	Nil	Nil
	2014-15	100	Nil	Nil
	2013-14	Zero Session	---	---
	2012-13	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **Refer ANNEXURE – 05 &**

06

- NET : 40+
- Civil services : 10+
- Defense Services : 10+

29. Student progression

Student progression	Against % enrolled
UG to PG	05
PG to M.Phil.	Nil
PG to Ph.D.	05
Ph.D. to Post-Doctoral	Nil
Employed	90
Campus selection	Nil
Other than campus recruitment	90
Entrepreneurship/Self-employment	Nil

30. Details of Infrastructural facilities
- | | | |
|---|---|------------------------|
| a) Library | : | Departmental & Central |
| b) Internet facilities for Staff & Students | : | Yes |
| c) Class rooms with ICT facility | : | Yes |
| d) Laboratories | : | Yes |
31. Number of students receiving financial : Post Metric Scholarship assistance from college, university, government or other agencies
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : **Refer ANNEXURE – 07**
33. Teaching methods adopted to improve student Learning :
- : Lecture, Group Discussion, Peer Discussion, Excursion, Project Method, Seminar, Peer Group Teaching, Field Trips, Action Research, Laboratory, Demonstration by Teacher through O.H.P., LCD Projector, Micro Teaching, Team Teaching and Orientation Programmes, Refresher Courses, Conferences also attended by all the Faculty Members.**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities

All the faculty members make informal discussion with students on socially relevant issues such as Blood Donation, Health Camps, Rovers rengers Camp, Social Services, SUPW Work, Swachhata Abhiyan, Kavi Sammelan, Voter Awareness, Women Empowerment etc.

Dr. Basant Bahadur worked as Rover rengers In-charge.

35. SWOC analysis of the department and Future plans
- Strengths** : Seventy years old department of repute for imparting quality education.
Impressive building with large compact area. Producing Eminent Scholars from this department. **Refer ANNEXURE - 06**
- Weakness** : Lack of Human resources and financial funding. Cope up with new technology for teaching IT related subjects and also needed separate supporting Staff like Technician, Computer Operator, Clerk, librarian etc.

Opportunities : To communicate with the ever changing technological issues and the students approach. A hard working students can avail the facilities in the department and college to grow and develop.

To conduct training programme and other major awareness programme, sensitization programmes in the field of special education. Awareness camps are organized and conducted by the students under the guidance of the teachers and multidisciplinary professionals. Students have the opportunities in participating training programmes and workshops and seminars conducted elsewhere. CRE programmes are conducted by the institution including the faculties and experts from outside to update knowledge.

Challenges : Most of the students are from rural and economically weaker section of the society. It is a great challenge to provide them historic education.

To provide job opportunities to the degree holders.

To provide hostel facilities to all the needy students

Future Plans

- To enhance infrastructural facilities
- To establish smart class rooms fully equipped with digital teaching tools.
- To Organize Seminars- At least one seminars should be organized in a year.
- To Organize Educational Tours regularly.

Annexure - 01

List of Ph. D. Scholars

Dr. Punita Rani Maheshwari

Ph.D. Awarded (Total-06 & Last Five Year-04)

- ❖ मैनपुरी जिले के इन्टरमीडियट स्तर के छात्र-छात्राओं की मानसिक योग्यता, स्मृति, बौद्धिक स्तर, अभिवृत्ति एवं रुचि का तुलनात्मक अध्ययन- श्रीमती अर्चना सिंह।
- ❖ राष्ट्रीय अध्यानक शिक्षा परिषद् के मानकों के सन्दर्भ में उत्तर प्रदेश में शिक्षक प्रशिक्षण की वर्तमान स्थिति का सर्वेक्षण एवं विश्लेषण-चंचल कुमार द्विवेदी।
- ❖ उच्च माध्यमिक स्तर पर अध्ययनरत मथुरा नगर की सम्बन्ध व मलिन बस्ती की किशोरियों की शैक्षिक उपलब्धि, समायोजन क्षमता तथा मूल्यों का तुलनात्मक अध्ययन- दीपा सेंगर
- ❖ स्वातन्त्रोत्तर उत्तर प्रदेश में प्राथमिक शिक्षा की वित्त व्यवस्था- शुभ्रा।

Dr. Vinod Kumar

Ph.D. Awarded (Total-28 & Last Five Year-10)

- स्ववित्त पोषित एवं सरकारी सहायता प्राप्त संस्थानों के शिक्षक प्रशिक्षकों की शिक्षण प्रभावशीलता, शिक्षण अभिरुचि एवं कार्य सन्तुष्टि का तुलनात्मक अध्ययन – रजनीश कुमार सिंह
- मूल्यपरक शिक्षा के सन्दर्भ में आचार्य श्रीराम शर्मा के अध्यात्म एवं विज्ञान की समन्वयकारी दृष्टि का विश्लेषणात्मक अध्ययन – गोपालदास शर्मा।
- A Comparative study of Academic Achievement, career preference and Self Concept of general & Scheduled Caste Girls at Higher Secondary Level- Shubhi Dayal
- माध्यमिक स्तर पर विज्ञान शिक्षण के निमित्त अग्रिम व्यवस्थापक प्रतिमान एवं प्रत्यय निष्पत्ति प्रतिमान पर आधारित अनुदेशन सामग्री का निर्माण एवं उसकी प्रभावशीलता का अध्ययन – दिग्विजय पचौरी।
- An Analytical study modernization and Its Impact on Academic Achievement and Social Conformity of scheduled cast and non scheduled cast Adolescents.- Archana Sharma.
- Characteristics of High and Low Cognitive Achievers in Different Streams of Course at the Higher Secondary Level - Abha Saxena.
- जे0 कृष्णमूर्ति तथा पं0 श्रीराम आचार्य के तत्व विचार, प्रमाण विचार तथा शिक्षा दर्शन का तुलनात्मक अध्ययन – सुष्मिता कुमारी।

- माध्यमिक स्तर पर अनुसूचित जाति एवं पिछड़ी जाति के विद्यार्थियों के सामाजिक आर्थिक स्तर का उनकी शैक्षिक उपलब्धि, समायोजन एवं आकांक्षा स्तर पर पड़ने वाले प्रभाव का तुलनात्मक अध्ययन – विशाल मोहन उपाध्याय।
- A Study of Jobstress, Jobsatisfaction and Adjustment among B.Ed. teachers in Relation to Organizational climate - Shankar Gautam
- Effects of leadership behavior teacher effectiveness and home environment on the performance of students in Mathematics in Secondary Schools - Rajeshwari.

Dr. Vandana Saxena

Ph.D. Awarded (Total-10 & Last Five Year-06)

- ❖ **A study of level of aspiration values, self concept and personality traits of scheduled and non scheduled caste graduate students of Agra city 2010- rameshwar prasad sharma.**
- ❖ सामान्य एवं अनुसूचित जाति के युवा वर्ग की विवाह, दहेज तथा तलाक सम्बन्धी मानसिकता पर शिक्षा के प्रभाव का तुलनात्मक अध्ययन 2011– राजीव जैन।
- ❖ सृजनात्मकता, व्यक्तित्व, मूल्यों एवं शैक्षिक उपलब्धि के सन्दर्भ में सरकारी एवं स्ववित्तपोषित संस्थानों में अध्ययनरत बी0एड0 विद्यार्थियों का तुलनात्मक अध्ययन 2012– अमिता कुमारी सिंह।
- ❖ **A Comparative Study of Personality Traits, Mental health and Academic Achievement between Day Scholars & Hostlers 2013- Rama Sisodia.**
- ❖ **A Systematic Study of Intelligence and Personality of Class V Children Studying in Schools Affiliated to UP Board and ICSE Board 2014- Monika Srivastava.**
- ❖ शिक्षक शिक्षा के क्षेत्र में स्ववित्तपोषित बी0एड0 संस्थानों की मशरूम वृद्धि के प्रति सरकारी शिक्षक प्रशिक्षण संस्थानों में कार्यरत अध्यापकों की प्रतिक्रियाएं एवं अभिवृत्ति का आलोचनात्मक अध्ययन 2016– बली खान।

Dr. Basant Bahadur Singh

Ph.D. Awarded (Total-08 & Last Five Year-06)

1. जूनियर हाई स्कूल स्तर पर जीव विज्ञान विषय में संकल्पना प्राप्ति प्रतिमान के अन्तर्गत सकारात्मक-नकारात्मक एवं सकारात्मक उदाहरणों द्वारा शिक्षण के सापेक्ष प्रभावशीलता का विद्यार्थियों की शैक्षिक उपलब्धि, अभिवृत्ति और प्रतिक्रिया के सन्दर्भ में अध्ययन, डा0 उमाशंकर पाल – 31.03.2012
2. माध्यमिक विद्यालयों में अध्ययनरत विद्यार्थियों के बौद्धिक स्तर, आत्म मूल्यांकन एवं शैक्षिक उपलब्धि पर आत्म आंकलन प्रशिक्षण के प्रभाव का अध्ययन, डा0 पुष्पेन्द्र सिंह गौतम, 29.01.2013
3. श्री साईं साहित्य में निहित नैतिक शिक्षा एवं आध्यात्मिक मूल्यों की वर्तमान में प्रासंगिकता, डा0 आरती सिंह, 08.04.2016
4. हाई स्कूल स्तर पर विज्ञान शिक्षण में आगमनचिन्तन प्रतिमान एवं परम्परागत शिक्षण विधि की सापेक्ष प्रभावशीलता का विद्यार्थियों की शैक्षिक उपलब्धि, तार्किक योग्यता, अभिवृत्ति के सन्दर्भ में अध्ययन, डा0 राजीव चौहान, 09.07.2013
5. शासकीय एवं अशासकीय विद्यालयों में अध्ययनरत विद्यार्थियों की सृजनात्मकता, अभिवृत्ति, आकांक्षा स्तर और शैक्षिक उपलब्धि का तुलनात्मक अध्ययन, डा0 कुलदीप सिंह, 28.05.2015
6. श्री अरविन्द एवं सत्य साईं बाबा का मूल्य परक शिक्षा, चिन्तन एवं तुलनात्मक अध्ययन, डा0 हरितिमा दीक्षित, 30.10.2016
7. पहुंच, समता, उपादेयता तथा उत्कृष्टता के सन्दर्भ में भारतीय उच्च शिक्षा प्रणाली का विशलेष्णात्मक अध्ययन, डा0 राधा परमार? 19.05.2016
8. प्राथमिक स्कूल स्तर पर विज्ञान शिक्षण में रीचर्चन सूत्र में प्रतिमान की सापेक्ष प्रभावशीलता का विद्यार्थियों की शैक्षिक उपलब्धि, वैज्ञानिक सृजनात्मकता, अभिवृत्ति के संदर्भ में अध्ययन, डा0 विनीता यादव, 29.08.2016

Dr. Mridula Kulshreshtha

Ph.D. Awarded Candidate (Total-01 & Last Five Year-01)

- ❖ जनपद फिरोजाबाद के विभिन्न सामाजिक एवं आर्थिक स्तर के अध्ययनरत छात्र एवं छात्राओं की शैक्षिक उपलब्धी सुविधाओं का तुलनात्मक अध्ययन- विभा

Dr. M. P. Gupta

Ph.D. Awarded Candidate (Total-15 & Last Five Year-06)

- ❖ Sherat Verma
- ❖ Shubhashini Dixit
- ❖ Bhupendra Singh Chauhan
- ❖ Alka Upadhyay
- ❖ Nisha Singh
- ❖ Ranjana

Dr. I. J. Nigam

Ph.D. Awarded Candidate (Total-14 & Last Five Year-07)

- ❖ Evaluation of the geography text book of high school classes of U.P. board- Monika Sharma स्वामी दयानन्द एवं श्री अरविन्द का शिक्षा दर्शन : एक मूल्यांकन- ब्रजेश बंसल
- ❖ An evaluation of special education programme at primary level in Madhya Pradesh- Sharad Kumar Sundaran
- ❖ महर्षि अरविन्द के साहित्य में निहित शैक्षिक तथ्यों का अध्ययन एवं राष्ट्रीय शिक्षा नीति (1986) से प्रासंगिकता- पवन कुमार पटेल
- ❖ नगरीय एवं ग्रामीण पर्यावरण का विद्यार्थियों की शैक्षिक उपलब्धियों पर प्रभाव का तुलनात्मक अध्ययन- चन्द्रदत्त शर्मा
- ❖ Achievement motivation, anxiety and self concept of graduate level students at different levels of creativity of rural and urban areas- Harsh Dev Gautam
- ❖ तक्षशिला विश्वविद्यालय के शिक्षकों के शैक्षिक विचारों का आधुनिक युग के परिप्रेक्ष्य में समीक्षात्मक अध्ययन- महेन्द्र पाल सिंह

Annexure - 02

Guest Lecture

1. Dr. A.K. Gautam, Deptt. of Chemistry, R.B.S. College, Agra Lecture on **Atomic Energy** Dated 20.10.2010.
2. Acharya Bipin Bihari, Aligarh, Lecture on Arya Samaj & Human Values December, 2010.
3. Dr. Sahab Dasi, Deptt. of Education, B.D.K. Agra Lecture on **Measurement & Evaluation** Dated 12.12.2011.
4. Dr. Rakesh Agarwal, Mathura, Lecture on Banking & Common Men, December, 2012.
5. Dr. A.K. Singh, Deptt. of Botany, R.B.S. College, Agra Lecture on **Social Service** Dated 28.08.2012.
6. Dr. Yash Bhan Singh Tomar, Aligarh Lecture on English Language & Aberration, November, 2012.
7. Sri. Ramendra Mohan Tripathi, Agra, Lecturer on Relevance Poetry in Present Time, December, 2012.
8. Dr. Devendra Sharma, Yoga Centre, Mathura Lecture on **Yoga and Naturopathy** Dated 17.10.2013.
9. Dr. R.K. Jain, Head, Deptt. of Commerce, R.B.S. College, Agra Lecture on **Personality Development** Dated 17.10.2014.
10. Shri Pradeep Gupta, Scout Commissioner, Agra Lecture on **National Movement Scouting Guiding** Dated 17.10.2014.
11. Dr. Anupam Shrivatava, CHI, Agra Lecturer on Global Importance of Hindi Language, November, 2014.
12. Dr. Vijay Sharma, Mathura Lecturer on Dramatic in Teaching Methods, December, 2014.
13. Dr. Anupam Shrivatava, CHI, Agra Lecturer on Lingual Diversity & Multi-Lingual , December, 2015.

14. Dr. Anupam Shrivatava, CHI, Agra Lecturer on Importance of Language ,
December, 2016.

Annexure - 03**Details of Publications****Dr. Vinod Kumar****➤ Research Papers**

- भ्रष्टाचार मुक्त प्रशासन हेतु मूल्य शिक्षा : एक श्रेष्ठ अभिकल्प, भारतीय जनतन्त्र का सच : भ्रष्टाचार ? शोध पत्रिका, मुरैना (म0प्र0).
- माध्यमिक विद्यालय स्तर पर विज्ञान शिक्षण में संकल्पना प्राप्ति प्रतिमान एवं खोज प्रशिक्षण प्रतिमान के सापेक्ष प्रभावशीलता (विद्यार्थियों की तार्किक योग्यता के सन्दर्भ में) Printed in Research Journal of Humanities & social Sciences: Interdisciplinary Approach June 2010 (ISSN-0975-7090).
- A study of Effects of Home Environment on the Performances of students in Mathematics in Secondary schools. GLOBUS Journal of Progressive Education 2014 (ISSN- 2231-1335).
- माध्यमिक विद्यालय स्तर पर विज्ञान शिक्षण में संकल्पना प्राप्ति प्रतिमान एवं खोज प्रशिक्षण प्रतिमान की सापेक्ष प्रभावशीलता का विद्यार्थियों की उपलब्धि के सन्दर्भ में अध्ययन, JAGRATI – Journal of Educational Research & Psychology June 2014 (ISSN 2321-3329).
- A study of Effects of Teacher Effectiveness on the Performance of students in mathematics in secondary schools. IIMT Education Review 2015 (ISSN. 02228-4902).
- Effects of Leadership Behavior, Teacher Effectiveness and Home Environment on the performances of students in mathematics in secondary schools 2015-16 Anveshanam the Journal of education (ISSN. 2279-0004).

Peer reviewed/Impact Factor

- A study of job stress among B.Ed. Teachers in relation to organizational climate Indian Streams Research Journal Jan. 2014 ¼ISSN-2230-7850½, Impact Factor 1.7604.
- अनुसूचित जाति एवं पिछड़ी जाति के विद्यार्थियों की सामाजिक-आर्थिक स्थिति, उनकी शैक्षिक उपलब्धि की तुलना, Indian streaus Researh Jourhal, Oct 2014, (ISSN- 2230-7850) Impact Factor – 2.1506.

➤ Books/ Chapters

- सम्प्रेषण शैली एवं प्रकार, सम्प्रेषण/विद्या कौशल और माध्यम, वर्ष, 2005 रवि बुक्स, दिल्ली द्वारा मुद्रित (ISBN-81-88276-07-3).
- अधिगम एवं अध्यापन, वर्ष 2016, राखी प्रकाशन प्रा0लि0, आगरा द्वारा मुद्रित (ISBN978-93-85195-60-0).
- पाठ्यक्रम विकास एवं आंकलन, वर्ष 2016, राखी प्रकाशन प्रा0लि0, आगरा द्वारा मुद्रित (ISBN978-93-86213-18-1).

Dr. Vandana Saxena

- **Research Papers**

- Higher Education and Research in India, International journal of Educational Research & Technology 2010, ISSN 0976-4089.

- **Books/ Chapters**

- शैक्षिक तकनीकी के मूल आधार, साहित्य प्रकाशन, आगरा, वर्ष 2005।
- शैक्षिक तकनीकी, राधा प्रकाशन, आगरा, वर्ष 2010।
- बाल्यावस्था और विकसोन्मुख वृद्धि, राधा प्रकाशन, आगरा, वर्ष 2016।
- अधिगम के लिए आंकलन, राधा प्रकाशन, आगरा, वर्ष 2016।
- समकालीन भारत एवं शिक्षा, राखी प्रकाशन, आगरा, वर्ष 2016 (ISSN 978-93-85/95-47-1)।

Dr. Basant Bahadur Singh

➤ **Books/ Chapters**

1. शैक्षिक मापन एवं मूल्यांकन— श्री विनोद पुस्तक मन्दिर, आगरा (उ० प्र०) ISBN 979893-80158-80-8, 2013.
4. शिक्षा के दार्शनिक एवं समाजशास्त्रीय आधार श्री विनोद पुस्तक मन्दिर, आगरा (उ० प्र०) ISBN -978-93-80158-75-4.
5. शैक्षिक प्रौद्योगिकी एवं अनुसंधान, श्री विनोद पुस्तक मन्दिर, आगरा (उ० प्र०) ISBN - 978-93-80158-70-9.
6. बाल विकास — श्री विनोद पुस्तक मन्दिर, आगरा (उ० प्र०) ISBN -978-93-80158-69-3.
7. यू.जी.सी. नेट/स्लेट— शिक्षाशास्त्र —(गत वर्षों से पूछे गये प्रश्नोत्तर सहित) श्री विनोद पुस्तक मन्दिर, आगरा (उ० प्र०) ISBN 979893-80158-80-8, 2013.
8. Examination, Evaluation and Quality Education—Alfa Publication, New Delhi-2013, ISBN-978-82302-67-4.
9. यू.जी.सी. नेट/जे.आर.एफ./सेट/शिक्षाशास्त्र (द्वितीय एवं तृतीय प्रश्नपत्र) उपकार पब्लिकेशन, आगरा (उ० प्र०) 2014, ISBN-978-93-5013-430-6.
10. बहुमुखी शिक्षा—अल्फा पब्लिकेशन— नई दिल्ली,—110002 — ISBN 978-93-83292-44-5 प्रथम संस्करण— 2014.
11. यू.जी.सी. नेट/स्लेट, शिक्षाशास्त्र (वस्तुनिष्ठ प्रश्नोत्तर सहित) श्री विनोद पुस्तक मन्दिर, आगरा (उ० प्र०) ISBN 979893-8058-071-6-2012.
12. Examination Evaluation and Quality Education, Alfa Publication, New Delhi, ISBN-978-93-82302-67-4

Dr. M.P. Gupta

• **Research Papers**

- “A STUDY OF FAMILIAL ROLE EXPECTATION OF WORKING AND NON-WORKING WOMEN” published in national journal acuminates and social Sciences: in Interdisciplinary approach issue June, 1 2010.
- Paper Published in Humanities and Social Science interdisciplinary Approach Journal Volume 03 December 2011 Topic “गृहणी एवं कामकाजी माताओं की दैनिक गति विधियों के संदर्भ में उनके पाल्यों की अभिवृत्तियों का अध्ययन”
- Paper Published in Humamtes and Social Science interdisciplinary Approach Journal Volume 04 December 2012 Topic “गृहणी एवं कामकाजी माताओं के पाल्यों के सैद्धांतिक मूल्यों का अध्ययन”
- Published in Journal of Scientific & technological Research volume 3 Issue 1 in March 2013 Topic: Cerebral Policy: A Critical Review.
- Published in Journal “HUMANITIES AND SOCIAL SCIENCE INTERDISCIPLINARY APPROACH VOLUME 4 ISSUE 2 DEC. 2012”. Multi sensory Approach for cerebral Policy Children.

• **Books/ Chapters**

- भारतीय शिक्षा की समस्याएँ – प्रकाशक – साहित्य प्रकाशन आगरा।
- भारतीय शिक्षा की सामायिक समस्याएँ प्रकाशक – साहित्य प्रकाशन आगरा।
- विद्यालय प्रबन्धन एवं स्वास्थ्य शिक्षा – साहित्य प्रकाशन आगरा।
- निर्देशन एवं परामर्श – प्रकाशक हर प्रसाद भार्गव आगरा।
- भारतीय शिक्षा का विकास एवं समस्याएँ प्रकाशक – एम. बी. डी. जालंधर।
- शिक्षा-मनोविज्ञान के दार्शनिक व समाजशास्त्रीय आधार प्रकाशक – एम. बी. डी. जालंधर।
- शिक्षा मनोविज्ञान प्रकाशक – एम. बी. डी. जालंधर।
- स्कूल प्रबन्धन एवं संगठन प्रकाशक – एम. बी. डी. जालंधर।
- भारतीय शिक्षा की ऐतिहासिक पृष्ठ भूमि प्रकाशन साहित्य प्रकाशन आगरा।
- शैक्षिक तकनीकी एवं सूचना संचार प्रौद्योगिकी प्रकाशन – राखी प्रकाशक, आगरा।
- शैक्षिक निर्देशक एवं परामर्श प्रकाशन – हर प्रकाशक भार्गव।
- भारतीय शिक्षा का समसामायिक विकास एवं समस्याएँ।
- शिक्षा प्रबन्धन एवं स्वास्थ्य शिक्षा प्रकाशक – साहित्य प्रकाशन, आगरा।

Annexure - 04

List of Eminent Academicians

- Dr. D.R. Goel, M.S. University, Varodara Lecture on **Classroom Interaction** Dated 08.09.2010.

- Dr. P.K. Sahoo, Deptt. of Education & Research, Allahabad University, Allahabad Lecture on **Research Methodology** Dated 12.11.2010.
- Dr. Ali Mohammad, Faculty of Education, Jamiya Millia University, Delhi Lecture on **Sankhya Philosophy and Education** Dated 26.11.2011.
- Dr. M.S. Soda Ex Vice Chancellor, D.A.V. University, Indore Lecture on **Quality of Teacher Education** Dated 20.08.2012.
- Dr. U.C. Vashitha, Deptt. of Education, Lucknow University, Lucknow Lecture on **Value Education** Dated 11.09.2013.
- Dr. Pawan Kumar Sharma, Head, Deptt. of Political Science, Atal Vihari VAjpai Hindi University, Bhopal Lecture on “वाल्मीकि के चिन्तन में निहित शिक्षण विधियाँ” Dated 23.09.2014.
- Prof. P.L. Kirkire, Principal, V.K.E. Gark Chiroly (Maharashtra) Lecture on **Quality of Education** Dated 16.10.2014.

Annexure – 05

NET Qualified Students

2011

13. Sanjeev Kumar
14. Rahish Ahmad
15. Prabhat Kumar
16. Shakil Ahmad
17. Ajit Kumar Dixit
18. Dharnidhar
19. Anita
20. Mukesh Kumar
21. Suman Katiyar
22. Vivek Chauhan
23. Pankaj Kumar Yadav
24. Prem Lata

2012

6. Imran
7. Bhawna Tiwari
8. Mahesh Chandra
9. Sandhya Lawaniya
10. Binita Agarwal

2013

5. Suman Lata
6. Vindeshwari
7. Sita Ram Sharma
8. Pankaj Pathak

2014

5. Sanjay Kumar
6. Manoj Kumar
7. Vaibhav Pandey
8. Saurabh Tiwari

2015

4. Tabassum
5. Priya Srivastav
6. Priyanka Singh

Annexure – 06**List of Civil Services selected Candidate**

Mrs. Vandana	PCS (J) Sultanpur
Mr. Sitaram Sharma	PCS (Jain Superintendent)
Dr. Rekha S Chauhan	S.D.M.
Mr. Dharmendra Singh	S.D.M.
Mr. Arvind Dixit	S.O., Murad Nagar
Dr. Indra Singh	Samaj Kalyan Adhikari, Lalitpur
Mr. Arvind Yadav	Gramya Vikas Adhikari
Mr. Mahesh Singh	Gramya Vikas Adhikari

List of Defense selected Candidate

Neeraj Dinkar	Comdnt. CRPF
---------------	--------------

Annexure - 07**Details of Seminars/Workshop/Conferences Attended****Dr. Vinod Kumar****❖ Seminars, Workshops, Conferences****❖ International**

- Attended **International Conference** on “**Environmental Education: A Pledge to Save the Earth**” Organized by Faculty of Education, Dayalbagh Educational Institute (Deemed University) Dayalbagh, Agra and presented a paper on “Environmental Crisis” on 2-4th July, 2010.
- Attended International Education Conference (IEC 2013) on “Reforms in Examination & Evaluation & its Impact on Quality Education” organized by R.B.S. College, Agra and Presented a paper on Continuous, Comprehensive Evaluation and its main features on 20 & 21st Jan. 2013.
- Attended International Conference as Chaired on “**Education Policy for Strong Nation**” Organized by Bhartiya Shikshan Mandal, Rajasthan, Jaipur on 17th & 18th Jan. 2015.
- Attended International Workshop on “**Emerging Opportunities and trends in Basic Applied science**” organized by Dr. B.R.A. University, Agra on 22nd & 24th Jan. 2016.
- Attended International Conference on “**Evaluation of Modern Educational System Organized**” Organized by Indian Psychometrics and Educational Research Association, Patna, Bihar on 24th & 26th Sep. 2016.

❖ **National**

- Attended National Seminar on 9th Jan. 2010 on “**Challenges of Quality Improvement in Education**” jointly organized by Amardeep (P.G.) College & Brajraj Singh College, Firozabad.
- Attended National Seminar on “परम्परागत भारतीय शिक्षण पद्धतियाँ” organized by “अखिल भारतीय शिक्षा संस्थान, लखनऊ and presented a paper on “वैदिक जैन एवं बौद्ध शिक्षण पद्धतियों का तुलनात्मक विवेचन” on 20th -21th Feb.,2010.
- Attended Workshop as a Resource Person on “**Activity Based Lesson Planning**” organized by Dev College & Dev Education College on 12th-13th May 2010.
- Attended National Workshop as a Resource Person on “**Grading System in Evaluation & Action Research**” organized by Sachdeva Institute of Education on 3rd Dec. 2010.
- Attended National Seminar on 19th Dec. 2010 on “**Teacher Empowerment & Educational Excellence: Vision 2020**” and presented a paper on “**Role of Multimedia Improving Quality in Teacher Education**” at R.B.S. College, Agra.
- Attended NAAC sponsored National Seminar on “**Quality Concerns In Teacher Education**” and presented a paper on “**Quality Concerns In Teacher Education**” at M.D. College, Agra.
- Attended UGC sponsored National Seminar on “भारतीय नारीवाद : दशा और दिशा” organized by “आदर्श कृष्ण स्नाकोत्तर महाविद्यालय, शिकोहाबाद” and presented a paper on “भारतीय नारीवाद के विविध पक्ष” on 16th -17th Feb.,2011.
- Attended national Seminar Chaired as a Resource Person on “**Gandhian Philosophy: Its Relevance in the 21st Century**” organized by Dau Dayal Mahila (P.G.) College, Firozabad on 4th Mar. 2011.
- Attended national Seminar Chaired as a Resource Person on “**Human Rights & Development**” organized by Dau Dayal Mahila (P.G.) College, Firozabad on 5th Mar. 2011.
- Attended national Seminar on “**Current Issues In Teacher Education**” organized by The Centre of Advanced Study in Education, The Maharaja Sayajirao University Of Baroda, Vadodara and presented a paper on “**Role of Ict in Teacher Education**” on 14th-15th March 2011.

- Attended UGC sponsored National Seminar on 21st Oct. 2011 on **“Woman and Human Rights”** and presented a paper on **“Human Rights and Women’s Education”** at Deptt. of Political Science and Public Administration, Sarojini Naidu Govt. Girls P.G. (Autonomous) College, Bhopal.
- Attended National Workshop on **“Mental Health & Well-Being: Recent Trends & Interventions”** sponsored by Department of Higher Education, Government of Uttar Pradesh, Lucknow & organized by Department of Psychology, Agra College, Agra and presented a paper on “बालक और शिक्षक का मानसिक स्वास्थ्य” on 6-7th Feb. 2012.
- Attended National Workshop as a Resource Person organized by Sachdeva Institute of Education on 23rd Feb. 2012.
- Attended National Seminar on **“Developing Value-Conflict-Resolution Skills in Secondary School Students”** organized by IIMT College of Science & Technology, Greater Noida and presented a paper on **“Role of parents and community in Value Inculcation”** on 25th Feb. 2012.
- Attended National Seminar as a Chief Guest on **“Value Education”** organized by Samrat Prithviraj Chauhan Degree College, Bagpat and delivered the Lecture on **“Value Education in School Subjects”** on 15th Apr. 2012.
- Attended national Seminar as a Chairperson & Resource Person on **“Continuous, Comprehensive Evaluation and Grading System”** jointly organized by Faculty of Education, Dayalbagh Educational Institute (Deemed University) Dayalbagh, Agra and National Testing Service, CIIL, MHRD, Govt. of India, Mysore on 21-22 Dec. 2012.
- Attended National Seminar on “स्वामी विवेकानन्द के शिक्षा विषयक : समग्र सामाजिक विकास के संदर्भ में” organized by “भारतीय शिक्षा शोध संस्थान, लखनऊ एवं महर्षि पतंजलि संस्कृत संस्थानम्, भोपाल” on 2-3 Feb., 2013.
- Attended National Conference as Chaired on **“Emerging Perspective in Education: A Gateway to Innovations (NCEPE’ 13)”** Organized by Global Institute of Education, Greater Noida on 15th Mar. 2013.
- Attended national Seminar on **“Educational Philosophy of Swami Vivekananda”** organized by Shree Agrasen Sanatkottar Shiksha Mahavidhyalaya C.T.E. and presented a paper and **“Chair the Session”** on 3rd October 2013.

- Attended national Conference on National Education and Extension Congress **Jointly** Organized by ISEE, Chennai & GERA, Bhopal at Deptt. Of Education, SCS College, Puri (Orisa) and presented a paper on “Relevance of Holistic Approach in Present Education” on 20-21th January, 2014.
- Attended National Seminar as Chaired on “**Transformation of Indian Educational Socio Economic Status**” Organized by B.D.K. Mahavidhyalaya, Agra on 18th Oct. 2014.
- Attended National Education Conference as Chaired on “**Essence of Main Making Education..... Present Scenario**” Organized by Department of B.Ed., Barkatullah University, Bhopal on 12th & 13th Jan. 2015.
- Attended National Workshop on “अनुसंधान प्रविधियां ” organized by Shri Arya Vidyapeeth Mahila Teacher Education Degree College, Bhusawar, Bharatpur, Rajasthan on 09th & 10th April 2015.
- Attended National Workshop on “आधुनिक भारत की शिक्षा का इतिहास” organized by Bhopal & gave oral presentation on 15th & 16th August 2015.

❖ **Training Program**

- Attended Training of Trainers on “**Capacity Building Programme Disaster Management**” Organized by U.P. State, Disaster Management Institute, Lucknow on 16th to 20th Mar. 2015.
- Attended Training Course on “**Skill Based Training for Effective Response to Disaster**” Organized by Center for Maritime Education and Training, Lucknow on 19th Mar. 2015.
- Attended Faculty Improvement Program Organized by Dr. B.R. Ambedkar University, Agra on 29th Aug. 2016 to 04th Sep. 2016.

Dr. Vandana Saxena

❖ **Seminars, Workshops, Conferences**

❖ **International**

- Attended International Education Conference (IEC 2013) on “Reforms in Examination & Evaluation & its Impact on Quality Education” organized by

R.B.S. College, Agra and Presented a paper on Continuous, Comprehensive Evaluation and its main features on 20 & 21st Jan. 2013.

- Attended & Paper Presented on Teaching Language through Literature in International Conference, Organised by University of Petroleum & Energy Studies, Dehradun, 4-5, April 2014.

❖ **National**

- Attended national Seminar on “**Paradigm Shift in Literature and Media and Its Impact on Contemporary Society**” on 24th & 25th October 2010.
- Attended National Seminar on “**Teacher Empowerment & Educational Excellence: Vision 2020**” at R.B.S. College, Agra on 19th Dec. 2010.
- Attended National Seminar on “**Promotion of Ethics and Human Values**” on 16th & 17th Jan. 2011.
- Attended National Seminar on “**Mental Health and Well-being Recent Trends and Integrity**” on 6th & 7th Feb. 2011.
- Attended National Seminar on “**Dr. B. R. Ambedkar: His Ideological Relevance**” on 25th Feb. 2011.
- Attended National Seminar on “**Human Right and Development**” on 05th March 2011.
- Attended National Seminar on “आधुनिक भारत: अनुसूचित जाति/अनुसूचित जनजाति महिला शिक्षा, दशा एवं दिशा” on 25th Feb. 2011.
- Attended National Seminar on “भारतीय नारीवाद: दशा और दिशा” on 16th & 17th Feb. 2011.
- Attended National Seminar on “**Society, Social Justice Sustainability----Future Prospective**” on 5th to 7th Oct. 2014.

❖ **Training Program**

- Attended Faculty Improvement Program Organized by Dr. B.R. Ambedkar University, Agra on 29th Aug. 2016 to 04th Sep. 2016.

Dr. Veena Srivastava

❖ **Seminars, Workshops, Conferences**

- Attended UGC-SAM sponsored Workshops on “**Capacity Building of Women Managers in Higher Education**” at Lucknow university, lucknow on 21th-25th Jan. 2011.

Dr. Basant Bahadur Singh

❖ **Seminars, Workshops, Conferences**

- **International** Seminar on Quality Concerns in Education and Professional ethics of teacher in developing countries, Department of Education, Allahabad in Allahabad, Feb. 2010.
- **International** Conference environmental educational – A Pledge to save the earth, Dayal University, Agra. 2 to 4th July, 2010.
- Role of different mode of technology in quality education, Sachdeva Institute of education, Farah, Mathura, 13th Feb. 2010.
- National Seminar on Teacher Education in Global ERA : Experiences and Prospects U.G.C. sponsored- Dig vijay Nath Post Graduate College Gorakhpur- Feb 19 an 20 2011.
- National Seminar on Current issue in Teacher Education U.G.C. sponsored – CAS, Baroda-M.S. Univesity Baroda- Guj-121 and 15th March 2011.
- National Seminar U.G.C. sponsored भारतीय नारीवाद : दशा और दिशा A. K. College, Sikohabad, Firozabad (U.P.) 16 ,oa 17 फरवरी, 2011
- National Seminar on women and Human Right-U.G.C. sponsored Sarojini Naidu Govt. Girls P.G. (Auto nomuuse). Cllege Bhopal (M.P.) 21st Oct. 2011.
- National Seminar U.G.C. Sponsored on Mental Health and Highing Dept. of psychology Agra, College, Agra (U.P.) Date 6 and 7 Feb. 2012.
- **International** Seminar U.G.C. Sponsored on post modernism Dismensions and challenges Shrivarshney College, Aligarh (U.P.) date 1st, and 3rd March 2012.
- National Seminar- Sponsored by U.G.C. on “महिलायें और जनसंचार माध्यम” A. K. College, Sikohabad (U.P.) 30-31, March -2012.
- **International** Seminar : U.G.C. Sponsored- on Sanskrit literature and progression of the universe, Iswar Sarrow Digness College, University of Allahabad- Allahabad, U.P., Nov. 17-19-2012.
- National Conference- On Mental Health and Well Being : Recent Trends and Interventions U.G.C. Govt. College U.P. Agra College, Agra, 6 and 7th Feb 2012.
- National Seminar on Trust Areas of Modern Educational Research, Indian Psy and Educational Research Association (IPERA), Agra-U.P., 28, 29th Spet. 2012.
- **International** Conference. Role of Statutory Bodies in Quality Assurance fo Teacher Education. Global Perspective Khalsa College, Educaiton Amritsar (Punjab) India, Nov. 22-24.2013.
- National Seminar on- स्वामी विवेकानन्द के शिक्षा विषयक विचार : समग्र सामाजिक विकास के सन्दर्भ में भारतीय शिक्षा शोध संस्थान लखनऊ एवं महर्षि पतंजलि संस्कृत संस्थान, भोपाल (म0प्र0), 2 एवं 3 फरवरी, 2013.

- **International Seminar** :-Bakundi Devi Kanya Mahavidyalaya and Indian Teacher Association of Teacher Educaiton, Agra -16-17/12/13.
- National Seminar – Teaching Strategies and Aids – An Integral Part of Educaitonl Programmes, Jain College Gwalior. (as key note-spekers), 24-25th Dec. 2013.
- National Education Conference- Relevance of Holistic Approach in present Education Dept. of Education Govt. Sec. Automoves College Puri-Orissa, 20-21 January 2014
- National Seminar :- U.G.C. SAP : Sponsored Teacher Capentancy Mapping and Management CASE MS. University Vadodara, As Chairperson, 28 Feb. 01 March -2014.
- National Seminar – U.G.C. and CRO Bhopal women Education : Scope and prospective –organised by JLNS Mahavidyalaya Ganj Basuda (M.P.) Key Note Speaker/Resource person. 2014
- **International Seminar** : Sponsored NIOS and ARTE-Alternatives insenool system and teacher education, Allahabad University, 08-09 March 2014.
- **National Conference** :- Sponsored by UGC, Organized by Barkatullah University, Bhopal, Essence of Man Making Education of Swami Vivekanand in Present Scenario, 12th -15th Jan. 2015.
- राष्ट्रीय कार्यशाला- Organized by A. V. V. Hindi University, Bhopal, 15th -16th August 2015.
- **National Seminar** :-Sponsored by UGC, Organized by Agra College, Agra 4th-6th Dec. 2015.
- **National Seminar** :-Sponsored by UGC, Organized by Marshghai College, Kendrapra, Odisha, 27th- 28th Dec. 2015.
- **International Conference** :- Organized by J.N.S. Mahavidyalaya, Sanchi, (M.P.) Effective Teacher Education- Way and Means, 10th January 2016.
- **National Convention** :- Sponsored by U.G.C., Organized by ESSESS College of Education, Agra, U.P. 23 December 2015.
- **International Conference** :- Organized by IPERA, Patna (Bihar) and HIBS-Agra U.P. 24, 25, 26 September 2016.
- **International Seminar** :- Organized by IGN Tribal Unviersity Amarkantak (M.P.) Sponsored by Ministry of Human Resource July 12, 13, 14, 2016.
- **International Conference** :- Role of Education for National Integration and Developement of Peace organized by SREE Chennai and PBGM College Bhopal (M.P.) 2017
- **Workshop** on “Action Aresearch”, Aryan Institute of Management and Computer study, Agra (Resource Person), 11th and 12th Jan, 2010,
- **Workshop** on “Action Research” Amardeep College and Brijraj Singh College, Firozabad, (Resource Person), 10th and 11th Feb, 2010.

- **Workshop** : “ideal Teacher” Sant Ram Kishan, Agra, (Subject Extents and Resource person), August 2012.
- **Workshop** on “Action Research” M. D. College, Agra (Resource Person), 4th and 5th Feb. 2010-13.
- **Resource Person** : National Education Conference Essence of Mind Making..... Present Scenario. Date 12th -15th Jan. 2015, Barakatullah University, Bhopal.
- **International Conference** :-Education Policy for Strong Nation Organized by Bhartiya Shiksha Mandal, Rajasthan, 17th-18th Jan. 2015.
- **Resource Person** : National Seminar on Present Status and Issues Concerned with the field of Teacher in India, Organized by Gagan College, Aligarh. 22th Feb. 2015.
- **Resource Person** : National Seminar on Education Human Right and Peace, Sponsored by UGC, Organized by Chouhan College of Education, Bhopal, October 2015.
- **Resource Person and Key Note Speaker** : International Conference, Organized by JNS Mahavidyalaya, Sanchi, Vidisha, 10th Jan. 2016.
- **Resource Person and Key Notes Speaker** :- On the Significance of Teaching Profession, Organized by Raja S. P. Singh College, Gwalior Road, Itora, Agra 24.12.2016.
- Observer :- BAMS/B.U.M.S., Examination 2016, Organized by Chhatrapati Sahu Ji Maharaj University, Kanpur, U.P. Feb. 22 to March 22, 2016.
- Observerw : For NIOS. Examination, October and November 2016, Organized by National Institute of Open Schooling H. R. D. Ministry Government of India 2016.
- Subject Expert :- For Comprehensive Examination, M. Ed. & B. Ed. Organized by D. A. V. V., Indore (M.P.) 27 December 2017.
- **Resource Person and Key Notes Speaker** :- Organized by SREE and Vivekanand Uva Mahamandal, Indore (M.P.) 14, 15 January 2017.

Dr. Mridula Kulshrestha

❖ Seminars, Workshops, Conferences

- Attended National Seminar on “**Teacher Empowerment & Educational Excellence: Vision 2020**” at R.B.S. College, Agra on 19th Dec. 2010.
- Attended International Education Conference (IEC 2013) on “Reforms in Examination & Evaluation & its Impact on Quality Education” organized by R.B.S. College, Agra and Presented a paper on Continuous, Comprehensive Evaluation and its main features on 20 & 21st Jan. 2013.
- Attended UGC sponsored National Seminar on “Pramotion of Ethics & Human Values” Agra College, Agra on 16th -17th Jan., 2011.

- Attended UGC sponsored National Seminar on “भारतीय नारीवाद : दशा और दिशा” organized by “आदर्श कृष्ण स्नाकोत्तर महाविद्यालय, शिकोहाबाद” and presented a paper on “भारतीय नारीवाद के विविध पक्ष” on 16th -17th Feb.,2011.
- Attended UGC-SAM sponsored Workshops on “**Capacity Building of Women Managers in Higher Education** ” at Lucknow university, lucknow on 21th-25th Jan. 2011.

Dr. M. P. Gupta

❖ Seminars, Workshops, Conferences

- Attended National Seminar on “**Teacher Empowerment & Educational Excellence: Vision 2020**” at R.B.S. College, Agra on 19th Dec. 2010.
- Attended International Education Conference (IEC 2013) on “Reforms in Examination & Evaluation & its Impact on Quality Education” organized by R.B.S. College, Agra and Presented a paper on Continuous, Comprehensive Evaluation and its main features on 20 & 21st Jan. 2013.
- Attended International Conference on “**Evaluation of Modern Educational System Organized**” Organized by Indian Psychometrics and Educational Research Association, Patna, Bihar on 24th & 26th Sep. 2016.

Dr. I. J. Nigam

❖ Seminars, Workshops, Conferences

- Attended National Seminar on “**Teacher Empowerment & Educational Excellence: Vision 2020**” at R.B.S. College, Agra on 19th Dec. 2010.
- Attended International Education Conference (IEC 2013) on “Reforms in Examination & Evaluation & its Impact on Quality Education” organized by R.B.S. College, Agra and Presented a paper on Continuous, Comprehensive Evaluation and its main features on 20 & 21st Jan. 2013.

Annexure – 08

B.Ed./M.Ed. Activities List

1. Assembly- News, Views, Thought of the day, Feed back by students, Personality Development
2. Debate/Orientation Programme
3. Seminar, Group Discussion (B.Ed & M.Ed. Both)
4. Cultural Activities
5. Psychological Test Construction
6. Achievement Test
7. Excursion
8. Rover rangers Camp
9. Teaching Aid Preparation
10. Cultural Programmes
11. Action Research
12. Departmental Magazine
13. Community Work
14. Extension Lectures
15. Essay Competition
16. Games, Cricket Match
17. Kavya Goshti (6th January Every Year)
18. Inter Faculty Debate Competition

3. Evaluative Report of the Departments

DEPARTMENT OF BBA & BCA

1. Name of the Department : **BBA & BCA**
2. Year of Establishment : **1998**
3. Names of Programmes / Courses offered : **UG**
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
(Bachelor of Business Administration)
(Bachelor of Computer Application)
4. Names of Interdisciplinary courses and the departments/units involved : **1. B. Com.**
2. Economics
5. Annual/ semester/choice based credit system (programme wise) : **Semester**
6. Participation of the department in the courses offered by other departments : **1. B. Com.**
2. Economics
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	---	---
Associate Professors *	---	---
Assistant Professors	06	06

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Prashant Singh	M.C.A.	Assistant Professor		12	---
Mr. Vivek Jain	M. Tech., M.C.A.	Assistant Professor		12	---
Dr. Nidhi Agarwal	Ph. D., M.B.A.	Assistant Professor		12	---
Mrs. Shruti Nagaich	M.B.A.	Assistant Professor		02	---
Mr. Amar	M.B.A.	Assistant Professor	Marketing Applied Economics	1	---
Mr. Divakar Vikram Si	M.B.A.	Assistant Professor	Marketing Statistics Economics	5	---

Administrative Faculty

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Trupti Singh	Ph. D., M.B.A.	Dean	HRM	15	03
Dr. Arvind Kumar Singh	Ph. D., M. Sc.	Placement Officer		07	---

11. List of senior visiting faculty : **1. Mr. Mohita Garg**
2. Mrs. Gauri Baijal
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **BCA – 10%**
BBA – 18%
13. Student -Teacher Ratio (programme wise) : **40 : 1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Academic Support Staff	05	05
Administrative Staff	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : **Ph. D. - 03**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**
17. Departmental projects funded by DST - FIST;UGC, DBT, ICSSR, etc. and total grants received : **NIL**
18. Research Centre /facility recognized by the University : **NIL**
19. Publications : **ANNEXURE - 01**
- * a) Publication per faculty

Name of Faculty	No. of Paper	No. of Books
Dr. Trupti Singh	12	---
Dr. Nidhi Agarwal	02	---
Dr. Arvind Kumar Singh	05	---
Total	19	---

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **19**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**

-
- * Books with ISBN/ISSN numbers with details of : **NIL**
publishers
 - * Citation Index : **NIL**
 - * SNIP : **NIL**
 - * SJR : **NIL**
 - * Impact factor : **NIL**
 - * h-index : **NIL**
 - 20. Areas of consultancy and income generated : **NIL**
 - 21. Faculty as members in
 - a) National committees : **NIL**
 - b) International Committees : **NIL**
 - c) Editorial Boards : **NIL**
 - 22. Student projects
 - a) Percentage of students who have done in-house projects including inter departmental/programme : **BBA – 70%**
BCA – 100%
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies : **BBA – 30%**
BCA – 60%
 - 23. Awards / Recognitions received by faculty and students : **NIL**
 - 24. List of eminent academicians and scientists/ visitors to the department :
 - 1. **Dr. Manu Pratap Singh, IET, Dr. B. R. Ambedkar University, Agra**
 - 2. **Dr. Jogendra Pal Singh, G.L.A., Mathura**
 - 3. **Mr. Vivek Pandey, Hindustan College of Sc. & Tech., Agra**
 - 4. **Mr. Prashant Sharma, Hindustan College of Sc. & Tech., Agra**
 - 25. Seminars/ Conferences/Workshops organized & the source of funding
 - a) National - **NIL**
 - b) International - **NIL**

26. Student profile programme/course wise:

Name of Course / Programme	Session	Applications Received	Selected	Enrolled		Pass Percentage
				Male	Female	
BCA	2015-16	413	413	350	63	100%
BCA	2015-16	262	262	182	80	100%

27. Diversity of Students : **N.A**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **No information**29. Student progression : **No Information**

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : **Departmental and Central**
b) Internet facilities for Staff & Students : **YES**
c) Class rooms with ICT facility : **Under process**
d) Laboratories : **YES**

31. Number of students receiving financial assistance from college, university, government or other agencies : **Post Matric Scholarship from Govt. of U.P.**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

Attended Faculty Development Programmes

Attended Specialization Course – PGDBIM

Attended Corporate Training Programmes of Times of India

33. Teaching methods adopted to improve student learning :

- **Power Point Presentation**
- **Case Study Discussion**
- **Concerning Foreign Journals**
- **Introducing Life Projects**
- **Internship Programme**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Distributed Blankets by conducting event like “Sneha Pahel”**
- **Conducted Social Awareness Programmes**
- **Promoted Social Awareness and Education Programme by conducting Road Rally etc.**

35. SWOC analysis of the department and Future plans

STRENGTHS :

- a) Composed of highly qualified and experienced faculties with average age of 35 years.
- b) Equipped latest teaching techniques and trends.
- c) Staff is productive in managing and attending seminars.
- d) The department has diligated teaching and non-teaching staff who contribute in the management of the department.
- e) There are different no. of committees to covered different dapartment activities.
- f) Student and Guidance are free to committees with the faculties as well as HOD of departments.
- g) We have great industrial and capuate links to counduct workshops / seminar for inparting practical knowledge to student.
- h) Good collaboration with different college and University.
- i) To invite Best Speaker and Guest Lecture for discussion over cument issues.
- J) We have active training and placement cell which brings companies for placement and conduct PDP sessions by expert and also to in\dustrial tours and life project.

WEAKNESSES :

- a) Basic infrastructure like smart classes and latest course material for shenglhing the education quality.

OPPORTUNITIES :

- a) Ongoing development of new building for the development with welll equipped classes, labs, Standerd books / Journals and library.
- b) Scope of expansiav in measure tunds in management and computer application by involving many srtification and technical courses.

CHALLENGES :

- a) We are facing challenges from privately run organizations as they are well equipred in all context of infrastructure and faicirties.

ANNEXURE – 01

Detail of Publications

1. **Dr. Nidhi Agarwal**

- Journal of Theoretical and Applied Information Technology, Vol. 20, ISSN No. 18173195
- Mathematics Today, Vol. 27, ISSN No. 0976-3228

Report

on

POST ACCREDITATION INITIATIVES
(During the Period 2004-2016)

For the purpose of
Re-accreditation by NAAC

By

Raja Balwant Singh College, Agra
Affiliated to Dr.B.R.Ambedkar University ,Agra (U.P.)

Submitted to

NATIONAL ASSESSMENT & ACCREDITATION
COUNCIL
JNANA BHARATI ROAD
P.O. BOX NO. 1075,
NAGARBHAVI, BANGALORE-560072
INDIA

Established in 1885, Raja Balwant Singh College is one of the oldest and largest educational institutions in the state of Uttar Pradesh. Offering degrees in a number of disciplines ranging from Science and Commerce to Arts and Engineering, the college has a total of five campuses among which three are in Agra alone. Today, R.B.S. College has seven faculties - Arts, Commerce, Education, Science, Agriculture, Engineering & Technology and Management & Computer Application and five campuses three in Agra itself besides Bichpuri and Awagarh. The college is affiliated to a number of national open universities and has made a significant contribution to Agra's academic scenario.

The college aims at imparting quality education to the students and equip them to cope with the latest requirements in professional and social spheres through innovative techniques and practices. The first assessment and accreditation by NAAC in the year 2004 ushered the way for new ideas of quality nourishment and to take up quality enhancement initiatives. One of the first initiatives after the first assessment was to strengthening the institute in all academic aspects as suggested by the NAAC peer team. The NAAC peer team consisting of Prof. L.S Rathore, Former Vice Chancellor, Jai Narain Vyas University, Jodhpur, (Chairman), Prof. H.K.Bajaj, Dept.of Nematology, CCS Agricultural University, Hisar (member), Prof. Saroj S. Virkar ,Principal ,Vidya Pratishthan's College of Education, Baramati(member) and Dr. S.K. Dhawan, Former Joint Director of Education, Shimla (member) visited the college on 13-15th December, 2004 and examined the infrastructural facility, academic and administrative records of the college to assess the institution and make their recommendations and suggestions for further enhancement of quality in various aspects of the functioning of the college. Keeping in mind the recommendations and suggestions made by the NAAC peer team during the first cycle of the accreditation process in 2004, the college has taken the following initiatives for the sustenance and enhancement of quality in previous years i.e. from 2004-16 which are highlighted through the seven criterions laid down by NAAC.

The following post-accreditation initiatives have been taken up by the college in the last years after being accredited in 2004.

Criterion I: Curricular Aspects:

- a. Internal Quality Assurance Cell has been set up to monitor the continuous progress of the institution. It provides the benchmarks/parameters for the various academic and administrative activities of the institution.
- b. New courses started during 2008-2016. The College expanded and established separate campuses (Raja Balwant Singh Engineering Technical Campus and Raja Balwant Singh Management Technical Campus) with separate norms/administration as per their affiliating universities and bodies like AICTE and added new courses – M. Sc. Degree in Seed Technology (Self-finance) in 2005, M. Tech. Degree in Food

Technology-2006, Faculty of Pharmacy-2011, Faculty of Architecture & Town Planning-2011, B. Tech. in Civil Engineering-2012, B. Tech. in Electrical Engineering-2012, M. Tech. in Electronics & Communication Engineering-2012, M. Tech. in Computer Science & Technology-2014 and M. Tech. in Biotechnology-2014.

c. Formation of new administrative cells has taken place in the College in accordance with the norms of UGC–XI- XIIth Plan and IQAC - Equal Opportunity Cell, Sexual Harassment Unit & Women's Cell, Grievance Redressal and Anti Ragging Task Force, Research Advisory Board, R.T.I. Cell, ISR and green initiatives etc..

d. Although the appointments are made by UPHESC, Allahabad, efforts have been made to get some regular faculty members. Some new appointments have been done by UP higher education service commission and few appointments have been done on Mandai scheme of the Government, some have been appointed by Management on temporary basis, and Few senior retired Professors have been reemployed under government Guest lecturer scheme to address the suggestion made by NAAC Peer team.

e. The faculty members enrich themselves by participating in refresher courses /summer schools/ orientation courses /training programmes/conferences/Workshops. A good number of teachers have undergone these courses.

f. Teachers use innovative teaching methods such as presentations, assignments, discussions, seminars, industrial/Institutional visits/excursions, apart from traditional teaching methods.

Criterion II- Teaching: Learning and Evaluation

a. Smart classes have been developed in Physics, Botany, Education, Agriculture extension, BBA/BCA. LCD projectors in some classrooms, better equipped laboratories and upgradation of the Library have contributed to improve the teaching-learning process.

b. DEL NET and NDL have been provided in the library and to the members too. The college now has a digital Library with Internet and Wi-Fi facilities along with e-books and e-journals for enhancing the learning process.

c. Girls are encouraged to seek admission in Agriculture faculty. Girls from far off states have taken admission in the college.

d. New books with audio-visual CDs are purchased for making teaching more effective, as per suggestion of NAAC peer team.

e. The suggestion of encouraging entrepreneurship has been too fruitful. MSME is invited time-to time for developing entrepreneurship in students in the areas of Agriculture, Seed Technology, Biotechnology and Engineering. One of our students has established a company of HERBAL GULAL and other herbal products in Hathras successfully. Dr. Sudhir is running Mushroom Industry in Agra and giving consultancy at National level. Dr. Dheeraj is running pest control company. Dr. Vijay is consultant for Green Auditing.

f. The efforts have been made to rationalize the prescribed teaching load to the

faculty members of the Agricultural Engineering departments likewise the teaching in Agronomy and Horticulture is being effectively undertaken by the permanent , mandai and reemployment of retired teachers. Some teachers teaching the Self finance courses are given grade.

g. Some PG departments like Botany, Physics, Economics, Applied business Economics, Education ,Seed Technology etc. have departmental library that fulfils the suggestion made by NAAC Peer team.

h. The admission process is reviewed from time to time which not only enables the college to regulate admissions in an effective and transparent manner, but also helps in maintaining academic and general discipline in the campus which is conducive to a better teaching-learning and growth environment for the students.

i. As a strategy to improve the access of weaker sections of the society to higher education, the college arranges induction/extension lectures and career counselling sessions for such students.

j. To empower the girl students, a women cell has been set up in the college as per the suggestions made by NAAC peer team.

k. Fee exemption and endowment benefits are also extended to students as per the government/university rules.

l. As against 20% prescribed reservation policy of the government , we have nearly 54 % girls in the college . The women candidates are provided equal opportunity in all curricular and co-curricular aspects. A Woman cell and anti ragging cell are functional to prevent harassment of women and students.

m. The college offers liberal concessions and awards for outstanding students in sports as per the norms of the government.

n. The college has joined hands in promoting Swachh Bharat Abhiyan to keep the campus of the college green, clean and plastic free.

Criterion III: Research, Consultancy and Extension

The College has achieved DSIR recognition. As suggested, Botany Department has put efforts to be more strengthened .It has received DST-FIST Grant for level-II along with 10 national and international projects. PDF projects and industrial collaborative projects are also sanctioned by DST, ICMR and UGC. There had been focus to file patents, develop products and technology commercialization on national level with awards. Few collaborations are achieved (ref: SSR-Criterion III). DST-MoES Seismo-Electromagnetics and Space Research Laboratory has been established. The Faculty members have gained collaborations with Hungary,Milan,Florence,Japan,China,U.K.,Australia and Germany through DST/UGC projects.

In the post accreditation period, about 200 papers and 50 books have been published in various journals by faculty members.

Extension Activities: The college has an excellent record of accomplishment in extension activities in different fields like Agriculture related services like AIR talks, Hello Kisan, Doordarshan relays, Advisory to farmers, health and hygiene

awareness, gender sensitization, community development, blood donations camps, etc. through NCC, NSS and Rovers and Rangers unit of the college. The college students contribute significantly in all these areas by way of rendering social and productive service through camps organized in the neighbouring areas and thereby help to set up a strong institution-neighbourhood-community network. A Seed ,Soil and pathogen clinic has been set in Seed Technology department.

Criterion IV: Infrastructure and Learning Resources

College achieved CPE status and received grants that helped to improve the research labs of Science departments, Geography departments and agriculture with few required equipments, safety gadgets, power backup(generator) and Safe Drinking Water. Management has Constructed Society office/ City office, renovated old buildings, improved sports facility

Criterion V: Student Support and Progression

As per the suggestions made by previous NAAC peer team the following initiatives have been taken up by the college for students' supports and progression:

1. Career oriented workshops and seminars are organised by the career counselling cell.
2. Alumni association of the college has been active and registered under the Society Registration Act under the name **Rao Krishna Pal Singh Alumni Association.**
3. Interactive sessions with people from the field of Judiciary, Health and Industry are organised to make the students aware about the new ventures.
4. The anti-ragging cell has been working in the college as per the government and UGC guidelines to curb the menace or ragging in the campus. No case of ragging has been reported in the college in the last five years.
5. Students are encouraged to participate in events like youth festivals to promote participation in co-curricular activities. This helps in improving speaking, singing and other artistic skills of the students in addition to the widening of their personal horizons through exposure to the socio-cultural processes. The representation of students is ensured in every important constitutional and formal bodies of the college and in co-curricular and extension activities.
6. Due care is taken of the needs of the students with differently abled (Divyang) while preparing the time table. The students with loco-motor disabilities are assigned classrooms on the ground floor as far as possible. Some ramps have been developed.
7. In case of any health related problems, first aid in minor cases is provided in the college itself. In case of emergencies, the students are immediately shifted to the nearby Hospital.
- 8.. The college has well established NCC (Girls and boys)and NSS units which

organize various voluntary camps in different areas of Agra each year in order to inculcate the feeling of team spirit and social awareness amongst students.

9. The college promotes creativity amongst students by encouraging them to participate in various youth festivals. The college publishes its own college magazine "Jigyasa" annually along with "Udaishree and Rajashree" which is mainly governed by student editors under the guidance of a committee of faculty members. The magazine provides space and scope for the students to develop their creative and logical ability by getting their views on various issues .

10. The college has also adopted a Student Charter which lays down the responsibilities of the institution towards the students as also their duties and obligations.

Criterion VI: Governance, Leadership and Management

The IQAC works in close coordination with the Governing Body of the college in realizing the goals and mission of the college. As per the guidelines of NAAC peer team the college has developed Institutional mechanism to evaluate faculty . A culture of participative management has been promoted in the college through various academic and administrative committees. This helps in professional development of its teaching and non-teaching staff by providing them support to participate in faculty improvement programmes like refresher courses, orientation programmes and short term courses. The IQAC of the college has been constituted with members representing various stake holders as per the guidelines of NAAC. The Parent-Teachers' Association and the Alumni Association also play a vital role in determining the goals and objectives of the college along the lines of participative administration.

Criterion VII: Best Practices

A greater number of teachers are now involved in research oriented activities which has resulted in an overall holistic development of the institution. The college has instilled environmental consciousness among students and staff.

1.The college has initiated a Rain -Water Harvesting Project inside its premises for recharging groundwater.

2.The college is significantly contributing to protect the natural environment of the area and promoting efficient use of energy through its various awareness programmes.

3. As a result of many tree plantation drives carried out at various places in the vicinity of the college, the college has largest green cover in comparison to other institutions in the city , reducing the maximum carbon footprints and useful for producing green products like-biodiesel, biopesticides..

4. Taking a step towards becoming environment-friendly, Solar panels have already been installed in KVK for demonstration to farmers and students to utilize renewable sources of energy.

5. A compulsory paper on Environmental Science is an essential part of the curriculum for students of all the faculties at undergraduate level. This helps the students to become familiar with various environmental concerns.

6. Dustbins have been placed at different places to keep the college clean.

7. College has introduced several innovations in academics, administration and at other levels of its functioning during the recent years to meet the current requirements of the stakeholders. The introduction of initiatives under RUSA and AISHE is a significant effort in structuring higher education in the college along national and international lines. Staff members are motivated to pursue Ph.D. programmes and take up research projects and publish research. Many eminent speakers are invited from time to time to speak on various issues of concerns including education, health and environment. The college has laid stress on improving the teaching-learning process and skill development through field study/ industry exposure.



(All suits by or against the college, shall be subjected to Agra Jurisdiction only)

RAJA BALWANT SINGH COLLEGE, AGRA

(College with Potential for Excellence Accredited B* by NAAC)

Raja Balwant Singh Road, AGRA-282002

Ph. & Fax Agra Office : 2520075

Mgt. Faculty : 2851544

Edu. Faculty : 2850596

Eng. Faculty : 2636675

Agri. Faculty Bichpuri : 2636615

Email : rbscagra_2007@rediffmail.com

website : <http://www.rbscollegeagra.org>

Ref. No. 1932

Dated 08/03/2017

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is certify that Raja Balwant Singh College, Agra (Name of the institution) fulfills all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body (Such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc) and
3. The affiliation and recognition (if applicable) is valid as on date.

In case the affiliation/recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation of Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date:

Place:


(Anupam Goel) 2/3/17

Principal
PRINCIPAL
R. B. S. COLLEGE
AGRA
82



(All suits by or against the college, shall be subjected to Agra Jurisdiction only)

RAJA BALWANT SINGH COLLEGE, AGRA

(College with Potential for Excellence Accredited B by NAAC)

Raja Balwant Singh Road, AGRA-282002

Ph. & Fax Agra Office : 2520075

Mgt. Faculty : 2851544

Edu. Faculty : 2850596

Eng. Faculty : 2636675

Agri. Faculty Bichpuri : 2636615

Email : rbscagra_2007@rediffmail.com

website : <http://www.rbscollegeagra.org>

Ref. No. 1734.....

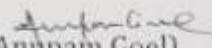
Dated, 7/03/2017..

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my Knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.


(Anupam Goel)
Principal

R. B. S. COLLEGE

AGRA

Place: Agra

Date: 08/02/2017



End - 12

DR. BHIMRAO AMBEDKAR UNIVERSITY, AGRA
(formerly: Agra University, Agra)

Ref: No. 2128-2014/2017

Date: 10-7-2017

TO WHOM IT MAY CONCERN

This is to certify that Raja Balwant Singh College, Agra, Uttar Pradesh is affiliated to the Dr. B.R. Ambedkar University, Agra since 1940 and recognized by the University Grants Commission under 2(f) and 12 (B) and the following courses/Subjects are taught in the said college as per approval, example;

S.No.	Name of the Course(s) and Duration	Affiliation		Period of Validity for the year(s)
		Permanent	Temporary	
1.	Three year B.A. - English, Hindi, Sanskrit, Political Science, History, Economics, Geography, DSST, Psychology, Sociology	Permanent		2016-17
2.	Three year B.Com - Business Administration, Accountancy & Law, Applied Business Economics	Permanent		2016-17
3.	Three year B.Sc - Mathematics, Statistics, Physics, Chemistry, Zoology, Botany, Seed-Technology.	Permanent		2016-17
4.	B.Ed & M.Ed Courses	Permanent		2016-17
5.	B.Sc. (Ag.) Courses 4 year/8 Semesters - Agronomy, Agricultural Economics, Animal Husbandry & Dairying, Ag. Chem. & Soil Science, Ag. Engineering, Horticulture, Ag. Extension, Plant Breeding & Genetics, Ag. Zoology & Entomology, Ag. Statistics & Math, Plant Pathology.	Permanent		2016-17
6.	M.A. - English, Hindi, Sanskrit, Political- Science, Economics, Geography, Psychology, Math.	Permanent		2016-17
7.	M.Sc. - Mathematics, Physics, Chemistry, Zoology, Botany, Seed- Technology, Bio-Technology	Permanent		2016-17
8.	M.Com. - Business Administration, Accountancy & Law, Applied Business Economics	Permanent		2016-17
9.	M.Sc. (Ag.) Courses 2 years - Agronomy, Agricultural Economics, Animal Husbandry & Dairying, Ag. Chem. & Soil Science, Horticulture, Ag. Extension, Plant Breeding & Genetics, Ag. Zoology & Entomology			2016-17
10.	BBA Three year	Permanent		2016-17
11.	BCA Three year	Permanent		2016-17

S. COLL

Dr. B.R. Ambedkar University, Agra
Permanent Authority: [Signature]

Universities & Colleges Colleges under section 2 (f) & 12(B) of the UGC Act 1956

- Colleges Under Section 2(f) & 12(B)
- Autonomous Colleges
- Colleges With Potential for Excel
- Academic Staff Colleges
- Institutes of National Importance
- Universities (UPE)
- Centres (CPEPA)
- Basic Scientific Research
- Visiting Committee Reports
- Central Universities
- State Universities List
- Deemed Universities
- Private Universities
- Fake Universities

List of Colleges pending to include under Section 2(f)&12(B) of the UGC Act 1956 due to non completion of documents from the Colleges

The University Grants Commission (UGC) provides financial assistance to eligible colleges which are included under Section 2(f)* and declared fit to receive central assistance (UGC grant) under Section 12 (B)** of UGC Act, 1956 as per approved plan of assistance under various schemes. The number of colleges included under Section 2(f)&12(B) of UGC Act 1956 is 31.3.2006 is 8014. Out of these, 5449 colleges have been declared eligible to receive central assistance, including UGC colleges under Section 12(B)** of UGC Act 1956. Remaining 565 colleges are recognized under Section 2(f) of UGC Act 1956 but yet declared fit for receiving central assistance as they do not fulfil the conditions laid down for such status.

* The UGC had notified Regulations for recognition of colleges under Section 2(f) of the UGC Act, 1956. The colleges brought under the purview of UGC in terms of these Regulations as and when the proposals are received from the colleges for inclusion under Section 2(f) and they are found fit for inclusion as per the provisions contained in the Regulations.

** Apart from inclusion of colleges under Section 2(f), the UGC includes the Colleges under Section 12(B) of its Act in its Rules framed under the Act. This makes the colleges eligible for central assistance from the Government of India or organization receiving funds from the Central Government.

Colleges Search by State:

S.No.	College	University	Status
951	Raghuvir Dayal Prabhoo Dayal Kanya Mahavidyalaya, Jhansikhat Bulandshahr, Uttar Pradesh		Under Section : 2 (f)
952	Nahul Mahavidyalaya, Kailash Dharwa, Jampur, 222 002 Uttar Pradesh 222 002	Veer Bahadur Singh Purvanchal University	Under Section : 2(f)&12(B) File No.: S-1087010(OP-VC)
953	Raj Kishor Singh Mahavidyalaya, Banuki, Zamania, Ghazipur, Uttar Pradesh		Under Section : 2 (f)
954	Raj Narsim Pandey Degree College, Gramdheni, Jaspur, Allahabad, 221 507 Uttar Pradesh 221 507	C.S.J.M. University	Under Section : 2(f)&12(B) File No.: S-482004(OP-VC)
955	Raj Narayan Singh Mahavidyalaya, Pratohi-Pratapgarh, 230 131 Uttar Pradesh 230 131	Dr. R.M.L. Awadh University	Under Section : 2(f)
956	Raja Bahadur Singh College, Raja Bahadur Singh College, 222 002 Uttar Pradesh 222 002		Under Section : 2(f)&12(B)
957	Raja Barendra Kant Singh Mahavidyalaya, Dhingra, (Shivnagar), 271 521 Uttar Pradesh 271 521	Dr. Ram Mohan Lohia Awadh University	Under Section : 2(f)&12(B) File No.: S-2352007(OP-VC)
958	Raja Devi Mahila Mahavidyalaya, Sahaspur, Bahni, Deoria, 274 501 Uttar Pradesh 274 501	D.D.G. Gorakhpur University	Under Section : 2(f)&12(B) File No.: S-7552011(OP-VC)

Encl- 1 (c)

Certificate

The assistance sought from the Commission is not for the purpose of fulfilling the conditions of affiliation laid down by the University. It is also certified that the Raja Balwant Singh College, Agra is affiliated to the Dr. B. R. Ambedkar University, Agra and is included under Section 2(f) and 12 B of the UGC Act and fulfills the eligibility conditions as laid down by the UGC. The College undertakes to utilize the grants for the purpose for which they are sanctioned and would furnish all necessary documents as required in the conditions of grants laid down by the UGC.

R. S. B.
Signature
Principal
PRINCIPAL
R. B. S. College
AGRA

Forwarded

Date :

[Signature]
Registrar/Coordinator Director, College Development Council

Signature
Seal

24/1/09
DIRECTOR
College Development Council
Dr. B. R. Ambedkar University
AGRA
[Signature]

F. No./NRC/NCTE/UP-Common Orders/2015/

ORDER

Date:

17/06/15
11/5836
11-0 JUN 2015

WHEREAS, in exercise of the powers conferred by Sub-section (2) of Section 32 of the National Council for Teacher Education Act, 1993 (73 of 1993) and in supersession of the National Council for Teacher Education (Recognition Norms and Procedure) Regulations, 2009, the National Council for Teacher Education has notified the Regulations, 2014 on 01.12.2014.

2. AND, WHEREAS, the recognition has been granted to the institutions mentioned in para 5 below for the course mentioned against their name.

3. AND, WHEREAS, the said institutions by affidavit have consented to come under New Regulations and have sought for the number of units in B.Ed./B.P.Ed./M.Ed. as mentioned in para 5 below against their name, which may require additional facilities.

4. AND, WHEREAS, it has been decided to permit the institution to have the desired number of units subject to fulfilling the following conditions:-

- The institution shall create additional facilities that include (a) additional built-up-area, (b) additional infrastructure, (c) additional funds, (d) adhere to staff norms as per Regulations, 2014 and inform Regional Committees with required documents by October 31, 2015.
- The applicant Institution for additional unit will be required to submit the required documents, such as, land documents, Non Encumbrance Certificate (EC), Change of Land Use Certificate (CLU) and Building Plan (BP) in the specified proforma available on the website of the Regional Committee in proof of having provided the additional facilities before October 31, 2015. Building completion Certificate (BCC) may be given along with other documents if available, otherwise it can be given to the Visiting Team at the time of inspection.
- The Regional Committee shall arrange for verification of documents, inspection of the premises and check adherence to these conditions by 20 February, 2016. If it is found by the Regional Committee that the institution has failed to comply with these requirements, the institution shall not be permitted to admit students for the academic year 2016-2017.
- In case any existing institution's matter is sub-judice under court direction/SCN under section 17 of the NCTE Act/ Complaint etc., the institution shall be required to submit a copy of the Hon'ble Court order/reply to SCN/complaint already submitted alongwith documents, if any, together with the documents referred above. In case the institution's request for shifting of premises is pending, such institution shall be required to submit the requisite documents as per provisions of the NCTE Regulations, 2014 with a copy of the order/NOC of the affiliating body/State Govt. and such other documents as indicated in the revised format recognition order. This order shall be subject to the directions given by the Hon'ble Court in the Writ Petition/case and in respect of Section 17/complaint cases etc, as decided by the Northern Regional Committee.

5. Now, therefore, in light of the above, the Northern Regional Committee, NCTE hereby issues the revised Recognition Order to the following institutions for conducting the under-mentioned programme/intake of two years duration from the academic session 2015-2016 subject to fulfillment of the conditions before 31.10.2015 mentioned in para 4 above:-

S. N o.	Name and address of the institution	File No.	Approved programme/Intake	Recognition Order No. & Date	Desired number of units	Sanctioned Intake	Name of the affiliating body
1.	Mahatma Gandhi Kashi Vidhapeeth, Varansi, UP	UP-313	M.Ed./20	F-3/UP-313/M.Ed./2000/11051 dated 28.08.2000	One Unit	50	Mahatma Gandhi Kashi Vidhapeeth, Varansi, UP

2.	Department of Physical Education, Dr. Bhim Rao Ambedkar University, Agra-282003, UP	UP-584	B.P.Ed./50	NRC/NCTE/F-3/UP-584/2002/6494 dated 14.06.2002	One Unit	50	Dr. Bhim Rao Ambedkar University, Agra
3.	Cosmos College of Education, Kh. No.-173, Vill.- Mohiya Pur, Noida, P. O.- Surajpur, Gautam Budh Nagar, UP	UP-1077	B.P.Ed./50	NRC/NCTE/F-3/UP-1077/2004/11841 dated 23.12.2004	One Unit	50	Ch. Charan Singh University, Meerut, UP
4.	Raja Bulwant Singh College, Raja Bulwant Singh Road, Agra-282002	UP-101	B.Ed./90	F-3/UP-101/B.Ed./2000/17093-18000 dated 29.09.2000	One Unit	100	Dr. Bhim Rao Ambedkar University, Agra
5.	Rudra Institute of Technology, Vill.- Mawana Khurd, Post-Mawana, Tehsil-Mawana, District-Meerut, UP	UP-3424	B.Ed./100	NRC/NCTE/F-7/UP-3424/174th Meeting/2010/1419 dated 23.12.2010	One Unit	100	Ch. Charan Singh University, Meerut, UP
6.	Ch. Shiv Charan Singh Degree College, Vill.- Noroipur Gajar, Post-Agarwal Nandi, Tatiri, Distt.-Baghpat, UP	UP-3473	B.Ed./100	NRC/NCTE/F-7/UP-3473/151st Meeting/2009/13124-77 dated 04.12.2009	One Unit	100	Ch. Charan Singh University, Meerut, UP
7.	Jagannath Prasad Smarak College of Education, Vill.- Bundhwa, Post-Ghoorpur, Tehsil-Bara, District-Allahabad, UP	UP-3246	B.Ed./100	NRC/NCTE/F-7/UP-3246/174th Meeting/2010/1412 dated 23.12.2010	One Unit	100	Chhaparpati Sahu Ji Maharaj University, Kanpur, Up
8.	Asian College of Education, Vill.- Suan Kheri, Saranawa, Distt.- Saharanpur, UP	UP-3017	B.Ed./100	NRC/NCTE/F-7/UP-3017/142nd Meeting/2009/5864 dated 09.07.2009	One Unit	100	Ch. Charan Singh University, Meerut, UP
9.	P. I. E. T. College of Education, Ghaut Road, Delhi Roorkee Bye Pass, NH-58, Partapur, Subharatipuram, Meerut, UP	UP-3203	B.Ed./100	NRC/NCTE/F-7/UP-3203/148th Meeting/2009/9374 dated 31.08.2009	One Unit	100	Ch. Charan Singh University, Meerut, UP



10.	Dr. P. D. B. H. Govt. Post Graduate College, Kotdwar, District- Pauri Garhwal-246149, UP	UP-38	B.Ed./60	F-3/Up-38/B.Ed./2000/4326 dated 24.07.2000	One Unit	100	H. N. B. Garhwal University, Shri Nagar, UP
11.	Ram Nagina Kisan P. G. College, Vill.- Muriyari (Todarpur), Post- Jakhman (Khetabpur), Tehsil- Jakhman, District- Ghazipur-275203, UP	UP-3373	B.P.Ed./50	NRC/NCTE/F-7/UP-3373/180th Meeting/2011/10248 dated 27.06.2011	One Unit	50	Veer Bahadur Singh Purvanchal University, Jaunpur
12.	Pl. Kundan Lal Shukla Mahavidyalaya, Vill.- Prasiddhpur, Post- Rania, Kanpur Dehat, UP	UP-3345	B.P.Ed./50	NRC/NCTE/F-7/UP-3345/149th Meeting/2009/11164 dated 07.10.2008	One Unit	50	Chhaparpati Sahu Ji Maharaj University, Kanpur, UP
13.	Dr. Ram Manohar Lohia Degree College, Khaura No.- 196, 240, 280, 633, 644, 419, 420, Vill.- Jhotari, Post- Dhamupur, Tehsil- Jakhman, Distt.- Ghazipur, UP	UP-3333	B.P.Ed./50	NRC/NCTE/F-7/UP-3333/154th Meeting/2009/17101 dated 20.02.2010	One Unit	50	Veer Bahadur Singh Purvanchal University, Jaunpur
14.	Kindriya Hindi Sansthan, Hindi Sansthan Marg, Agra-282003, UP	UP-229	Hindi Shikshan Parangat/50	F-3/UP-270-280/2000/1226 dated 28.04.2000	One Unit	50	-
15.	Kindriya Hindi Sansthan, Hindi Sansthan Marg, Agra-282003, UP	UP-229	Hindi Shikshan Nishant/20	F-3/UP-270-280/2000/1234 dated 28.04.2000	One Unit	50	-

6. In respect of those cases where recognitions has already been withdrawn by NRC, NCTE, this revised order will be treated as cancelled.

7. Further, the recognition is subject to fulfilment of all such other requirements as may be prescribed by other regulatory bodies like UGC, affiliating University/ Body, State Government etc. as applicable. The affiliating body (University/State Govt.) shall also be required to verify the authenticity of the land & building documents as well as appointment of requisite teaching & non-teaching staff as per provisions of the NCTE Regulations, 2014 by the concerned institution before grant of affiliation to an institution.

8. The institution shall submit to the Regional Committee a Self-Appraisal Report at the end of each academic year along with statement of annual accounts duly audited by a Chartered Accountant.

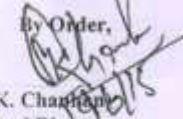
9. The institution shall maintain & update its website as per provisions of NCTE Regulations and always display the following mandatory disclosure:-

- Sanctioned programme(s) along with annual intake in the institution.
- Names of the faculty and staff in full as mentioned in school certificate along with their qualifications, scale of pay and photograph.

- (c) Names of faculty members who left or joined during the last quarter.
- (d) Names of students admitted during the current session along with qualification, Percentage of marks in the qualifying examination and in the entrance test, if any, date of admission, etc.
- (e) Fee charged from students.
- (f) Available infrastructural facilities.
- (g) Facilities added during the last quarter.
- (h) Number of books in the library, journals subscribed to and additions, if any, in the last quarter.
- (i) The affidavit with enclosures submitted along with application.
- (j) The institution shall be free to post and additional information, if it so desires.

10. Any false or incomplete information on the website of the institution shall render the institution liable for withdrawal of recognition.

11. If the institution contravenes any of the above conditions or the provision of the NCTE Act, Rules, Regulations and Orders made and issued there-under, the institution will render itself liable to adverse action including withdrawal of recognition by the Regional Committee under the provisions of Section 17(1) of the NCTE Act.

By Order,

 (Dr. S. K. Chandra)
 Regional Director

Copy to:-

1. The Principal/Correspondent of Institution/s concerned
2. The Principal Secretary, (Higher Education) Govt. of Uttar Pradesh, UP Civil Secretariat, Annexe Bhawan 5th Floor, Room No. 501, Lucknow-226001, Uttar Pradesh.
3. The Secretary, Department of School Education and Literacy, Ministry of Human Resource Development, Govt. of India, Shastri Bhawan, New Delhi- 110001.
4. The Registrar, Ch. Charan Singh University, Meerut, Uttar Pradesh.
5. The Registrar, C.S.J.M. University, G.T. Road, Kanpur, UP.
6. The Registrar, Veer Bahadur Singh Purvanchal University, Jaunpur, UP.
7. The Registrar, H. N. B. Garhwal University, Shri Nagar, UP
8. The Registrar, Mahatma Gandhi Kashi Vidhapeeth, Varansi, UP
9. The Registrar, Dr. Bhim Rao Ambedkar University, Agra, UP
10. The US (Computer), National Council for Teacher Education, Hans Bhawan Wing-II, I, Bahadur Shah Zafar Marg, New Delhi- 110 002.
11. Office Order file/ Institution file.


 Regional Director

115836

O. I. G. S.
Speedpost / Registered Post / Courier



राष्ट्रीय शिक्षक शिक्षण
NCTE

If undelivered, please return to :
Northern Regional Committee

National Council for Teacher Education
(A Statutory Body of the Government of India)

4th Floor, Jeevan Nidhi-II, LIC Building, Ambedkar Circle,
Bhawani Singh Marg, JAIPUR-302 005 (Rajasthan)
Phone : 0141-2744288, 2744635, Fax : 0141-2744173



F. No./NRC/NCTE/UP-370 (UP-30)/2015 / 1162-19

TO BE PUBLISHED IN GAZETTE ON INDIA PART III SECTION 4

Date:

11 JUN 2015

ORDER

WHEREAS, in exercise of the powers conferred by sub-section (2) of Section 32 of the National Council for Teacher Education Act, 1993 (73 of 1993) and in supersession of the National Council for Teacher Education (Recognition Norms and Procedure) Regulations, 2009, the National Council for Teacher Education has notified the Regulations, 2014 on 01.12.2014.

2. AND WHEREAS, the recognition was granted by NRC to Raja Balwant Singh College, Civil Lines, District – Agra -282002, State – Uttar Pradesh for M.Ed. Course vide order No. F. No. F-3/UP-30/M.Ed./2000/5538-45 dated 03.08.2000 with an annual intake of 20 seats, increased taken on to 35 seats from the academic session 2000-2001.

3. AND WHEREAS, the institution Raja Balwant Singh College, Civil Lines, District – Agra -282002, State – Uttar Pradesh has by affidavit consented to come under New Regulations and sought for one basic unit in M.Ed., which require additional facilities.

4. AND WHEREAS, it has been decided to permit the institution to have one basic unit of 50 students subject to the institution fulfilling following conditions namely.

- (i) The institution shall create additional facilities that include (a) additional built-up-area, (b) additional infrastructure, (c) additional funds, (d) adhere to staff norms as per Regulations, 2014 and inform Regional Committees with required documents by October 31, 2015.
- (ii) The application-institution for additional unit will be required to submit the required documents such as land documents, Encumbrance Certificate (EC), Land Use Certificate (LUC) and the Building Plan (BP) in the specified proforma available on the website to the Regional Committee in proof of having provided additional facilities before October 31, 2015. Building completion Certificate (BCC) may be given along with other documents if available, otherwise it can also be given to the Visiting Team at the time of inspection.
- (iii) The Regional Committees shall arrange for verification of documents, inspection of these premises and check adherence to these condition by 20 February, 2016. If it is found by the Regional Committee that the institution fails to comply with these requirements, the institutions shall not be permitted to admit students for the academic year 2016-2017.
- (iv) In case any existing institution's matter is sub-judice under court direction/SCN under section 17 of the NCTE Act/ Complaint etc., the institution shall be required to submit a copy of the Hon'ble Court order/reply to SCN/complaint/already submitted alongwith the documents, if any together the documents referred above. In case the institution's request for shifting of premises is pending, such institution shall be required to submit the requisite documents as per provisions of the NCTE Regulations, 2014 with a copy of the order/NOC of the affiliating body/State Govt. and such other documents as indicated in the revised format recognition order. The final decision shall be subject to the directions given by the Hon'ble Court in the Writ Petition/case decided by the Northern Regional Committee in respect of Section 17/complaint cases etc.

5. Now therefore, in the light of the above, the Northern Regional Committee, NCTE hereby issues the revised Recognition Order to Raja Balwant Singh College, Civil Lines, District – Agra -282002, State – Uttar Pradesh for conducting M.Ed. programme of two years duration with an annual intake of 50 for one basic unit of 50 students from the academic session 2015-2016 subject to fulfillment of the conditions mentioned herein before 31.10.2015.

6. Further, the recognition is subject to fulfillment of all such other requirements as may be prescribed by other regulatory bodies like UGC, affiliating University/ Body, State Government etc. as applicable. The affiliating body (University/State Govt.) shall also be required to verify the authenticity of the land & building documents as well as appointment of requisite teaching & non-teaching staff as per provisions of the NCTE Regulations, 2014 by the concerned institution before grant of affiliation to an institution.

7. The institution shall submit to the Regional Committee a Self-Appraisal Report at the end of each academic year along with the statement of annual accounts duly audited by a Chartered Accountant.

Cont. 2

8. The institution shall maintain & update its website as per provisions of NCTE Regulations and always display following as mandatory disclosure.

- (a) Sanctioned programmes along with annual intake in the institution.
- (b) Name of the faculty and staff in full as mentioned in school certificate along with their qualifications, scale of pay and photograph.
- (c) Name of faculty members who left or joined during the last quarter.
- (d) Names of students admitted during the current session along with qualification, Percentage of marks in the qualifying examination and in the entrance test, if any, date of admission, etc.
- (e) Fee charged from students.
- (f) Available infrastructural facilities.
- (g) Facilities added during the last quarter.
- (h) Number of books in the library, journals subscribed to and additions, if any, in the last quarter.
- (i) The affidavit with enclosure submitted along with application.
- (j) The institution shall be free to post additional relevant information, if it so desires.
- (k) Any false or incomplete information on website shall render the institution liable for withdrawal of recognition.

If the institution Contravenes any the above conditions or the provision of the NCTE Act, Rules, Regulations and Orders made and issued there under, the institution will render itself liable to adverse action including withdrawal of recognition by the Regional Committee under the provisions of Section 17(1) of the NCTE Act.

By Order,

(Dr. S.K. Chauhan) 10/6/15
Regional Director

The Manager to Govt. of India,
Department of Publications, (Gazette Section)
Civil Lines, Delhi - 110 054

Copy to:-

1. The Principal, **Raja Balwant Singa College, Civil Lines, District - Agra -282002, State - Uttar Pradesh.**
2. The Secretary, Department of School Education and Literacy, Ministry of Human Resource Development, Govt. of India, Shastri Bhawan, New Delhi- 110001
3. The Director, Directorate of Higher Education, I/C Teacher Education, Govt. of U.P., Directorate, Allahabad, U.P.
4. The Secretary Education, Govt. of Uttar Pradesh, Secretariat, Lucknow, U.P.
5. The Registrar, Dr. Bhim Rao Ambedkar University, Paliwal Park, Civil Lines, Agra-282004, Uttar Pradesh.
6. The US (Computer), National Council for Teacher Education, Hans Bhawan Wing-II, I, Bahadur Shah Zafar Marg, New Delhi- 110 002.
7. Office order file/ Institution file

Regional Director

Encl- 2 (b)

TELEGRAM : SCINDTECH
TELEPHONE/ TEL : 26962819, 26567373
26565694, 26562133
26565687, 26562144
26562134, 26562122 (EPBAX)
PHONE/FAX : 26960629, 26529745
26516078
Website : <http://www.dsiir.gov.in>



सत्यमेव जयते

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन
नया महरौली मार्ग, नई दिल्ली - 110016
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan
New Mehrauli Road, New Delhi-110 016

By Registered Post

F.No.11/478/2007-TU-V

Date: May 17, 2012

The Principal
Raja Balwant Singh College
Agra 202002

Subject : Registration of Research institution, other than a Hospital, for the purposes of availing Customs/Central Excise duty exemption in terms of Govt. Notifications No. 51/96-Customs dated 23rd July, 1996 & No. 24/2007-Customs dated 01.03.2007 and Central Excise Duty Exemption in terms of Govt. Notifications No. 10/97-Central Excise dated 1st March, 1997 & No. 16/2007-Central Excise dated 01.03.2007

CERTIFICATE OF REGISTRATION

This is to certify that Raja Balwant Singh College, Agra is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23rd July, 1996 & No. 24/2007-Customs dated 1st March, 2007 and Central Excise duty exemption in terms of Government Notifications No. 10/97-Central Excise dated 1st March, 1997 & No. 16/2007-Central Excise dated 1st March, 2007 as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf

This Registration is valid upto 31.3.2015.

Please acknowledge the receipt.

Yours faithfully,

(K.V.S.P. Rao)
Scientist - 'G'



Encl - 2(c)

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Northern/1-2812993700/2016/EOA

Date: 05-Apr-2016

To,

The Principal Secretary (Tech. Edu.)
Govt. of Uttar Pradesh,
Sachiv Bhawan, Lucknow-226001,
12A, Navin Bhawan,
U.P. Lucknow-226001

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Northern	Application Id	1-2812993700
Name of the Institute	FACULTY OF ENGINEERING & TECHNOLOGY, R.S.B.COLLEGE, BICHPUR CAMPUS, AGRA	Permanent Id	1-5833571
Name of the Society/Trust	BALWANT EDUCATIONAL SOCIETY	Institute Address	BICHPUR CAMPUS, BICHPUR, AGRA, BICHPUR, AGRA, AGRA, Uttar Pradesh, 283105
Institute Type	Unaided - Private	Society/Trust Address	KHANDARI FARM CAMPUS, KHANDARI, AGRA, AGRA, AGRA, Uttar Pradesh, 282002

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2812993700			Course	Program	Shift	Level	Duration	A/Rating Body	Intake 2015-16	Intake Approved for 2016-17	NET Approval status	NET IN / Out spots Approval status	Foreign Collaboration/Teaming Program Approval status
ENGINEERING AND	1st Shift	PGS T-ORA	BIOTECHNOLOGY	FULL TIME				Dr. A.P.J. Abdul Kalam Technical	18	18	NA	NA	NA

Application Number: 1-2812993700

Note: This is a Computer generated Report No signature is required.

Printed By : AE2332413

Page 1 of 4
Letter Printed On: 30 April 2016



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

TECHNOLOGY		DUAL			University, Uttar Pradesh, Lucknow					
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRONICS & COMMUNICATION ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	FOOD TECHNOLOGY	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	BIOTECHNOLOGY	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	CHEMICAL ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	CIVIL ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	90	90	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRICAL ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	60	60	NA	NA	NA

Application Number: 1-2812893700

Note: This is a Computer generated Report.No signature is required.

Printed By : AE2332413

Page 2 of 4
Letter Printed On:30 April 2016



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandmalok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS & COMMUNICATION ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	90	90	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	FOOD TECHNOLOGY	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	MECHANICAL ENGINEERING	FULL TIME	Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that FACULTY OF ENGINEERING & TECHNOLOGY, R.B.S.COLLEGE, BICHPURI CAMPUS, AGRA, shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org.

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Govt. Polytechnic Campus
Adjoining Directorate of Technical Education
Vikas Nagar, Kanpur-208 002, Uttar Pradesh
2. The Director Of Technical Education,
Uttar Pradesh
3. The Registrar,
Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow
4. The Principal / Director,
FACULTY OF ENGINEERING & TECHNOLOGY, R.B.S.COLLEGE, BICHPURI CAMPUS, AGRA,
BICHPURI CAMPUS, BICHPURI, AGRA,
BICHPURI, AGRA, AGRA.

Application Number: 1-2812993/00

Note: This is a Computer generated Report.No signature is required.

Printed By : AE2332413

Page 3 of 4
Letter Printed On:30 April 2016



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Uttar Pradesh,283105

5. The Secretary / Chairman,
BALWANT EDUCATIONAL SOCIETY
KHANDARI FARM CAMPUS, KHANDARI, AGRA,
AGRA,AGRA,
Uttar Pradesh,282002
6. Guard File(AICTE)

कै०के० चौधरी

पीसीएसओ

कुलसचिव



डा० ए०पी०जे० अब्दुल कलाम प्राविधिक विश्वविद्यालय

आईआईटीए परिसर, सीतापुर रोड, लखनऊ- 226021

दूरभाष: 0522-2732183

फैक्स: 0522-2732185

Encl 2(c)

MBA .

पत्रिका- ए०पी०टी०ए० / कुलसचिव / राबसि / 2016 / 0726-7347
दिनांक: 07-06-2016

College Code 885

सेवा में

निदेशक/प्राचार्य

Raja Balwant Singh Management Technical College, Agra

KHANDARI FARM, KHANDARI,

विषय: शैक्षिक सत्र 2016-17 की अस्थायी सम्बद्धता (Provisional Affiliation) के सम्बन्ध में।

महोदय,

उपर्युक्त विषय के सम्बन्ध में मुझे यह सूचित करने का निदेश हुआ है कि अखिल भारतीय तकनीकी शिक्षा परिषद, नई दिल्ली के द्वारा प्रदान किये गये अनुमोदन के अन्तर्गत विश्वविद्यालय/उपग्रह शासन की सम्बद्धता समिति द्वारा की गई संशुद्धियों के रूप में तत्काल संख्या 2564(III)/ए०पी०जे०-ए-2016-13(5)/2016 दिनांक 03.06.2016 में निर्गत शासनादेश के अन्वयेनुसार, विश्वविद्यालय में प्रवेशित उत्तर प्रदेश प्राविधिक विश्वविद्यालय अधिनियम 2000 की धारा 23(2) के अन्तर्गत यह कार्यपरिषद से अनुमोदन की प्रार्थना से संस्थान को निम्नानुसार वाध्यकृत :-

Course Name	Branch Name	Shift	Affiliation Intake Applied for	Intake Kept in abeyance	Affiliation Intake Approved
M.B.A.	MASTER OF BUSINESS ADMINISTRATION	Shift I	120	0	120
M.B.A.	TOURISM MANAGEMENT	Shift I	60	0	60
M.C.A.	MASTER OF COMPUTER APPLICATIONS	Shift I	60	0	60

उपर्युक्तानुसार वर्तित प्रवेश समाल की उच्च स्वचालित पोषित योजना की अन्तर्गत निम्नलिखित शर्तों के अन्तर्गत शैक्षिक सत्र 2016-17 हेतु विश्वविद्यालय में द्वारा अस्थायी सम्बद्धता की सर्वे स्वीकृति प्रदान की जाती है।

- संस्था द्वारा अखिल भारतीय तकनीकी शिक्षा परिषद, नई दिल्ली/डा० ए०पी०जे० अब्दुल कलाम प्राविधिक विश्वविद्यालय द्वारा निर्धारित पूर्ण, भवन, अवसंधान सुविधाएं, पाठ्यक्रम हेतु निर्धारित पठन-पाठन/पाठ्यक्रम हेतु निर्धारित उपकरण, सैक्रेटरी अनुयाय, रैगिंग विधेयक तथा विश्वविद्यालय के निदेशक सम्बद्ध द्वारा संस्था के निरीक्षण में दर्शायी गई कमियां/कमियों को पूर्ण करना अनिवार्य होगा, अन्यथा की स्थिति में संस्था को प्रदत्त अस्थायी सम्बद्धता स्वतः निरस्त समझी जायेगी, जिसका सम्पूर्ण उत्तरदायित्व स्वयं संस्थान/प्रबन्धन के होना।
- निरीक्षण सम्बद्ध द्वारा उच्च स्वीकृति के साथ-साथ संस्था की सेवा का अखिल विश्वविद्यालय द्वारा किसी भी समय किया जायेगा।
- टी.आई.ए./ए.आई.ए./टी.आई.ए./ए.आई.ए. पाठ्यक्रम संघटित करने वाले संस्थानों को कार्यकारी कार्यालय आक इन्डिया एवं कार्यालय आक आर्किटेक्चर के द्वारा वाध्यकृत संस्थान हेतु निर्धारित मानक एवं संबंधित कार्यालय का अनुमोदन भी प्राप्त किया जाना अनिवार्य होगा तथा निर्धारित मानक पूर्ण न करने की दशा में एवं अयोग्यता, पीसीआई, सीआईए के द्वारा अनुमोदन प्रवेश समाल से अधिक प्रवेश लेने की दशा में विश्वविद्यालय के द्वारा संस्था को प्रदत्त अस्थायी सम्बद्धता स्वतः निरस्त समझी जायेगी, जिसका सम्पूर्ण उत्तरदायित्व स्वयं संस्थान/प्रबन्धन के होना।
- संस्था प्राविधिक शिक्षा विभाग, उत्तर प्रदेश शासन/आयोजनालय अब्दुल कलाम प्राविधिक विश्वविद्यालय तत्काल द्वारा प्रवेश/शुल्क के सम्बन्ध में समस्त-समस्त पर जारी किये गये दिश-निर्देशों का अनुपालन सुनिश्चित करेगी तथा शुल्क निवर्तन समिति द्वारा नियमानुसार अनुप्राप्त कीस ही प्रवेशित छात्रों से लेगी। शिक्षण प्रोद्योग से सम्बंधित शासन/विश्वविद्यालय द्वारा वर्णित सूचना संस्था समय से उपलब्ध करवायेगी अन्यथा सम्बद्धता समाप्त करने कायदा प्रवेश समाल कम करने की कार्यवाही की जायेगी।
- संस्था को सम्बद्धता प्राप्त हो जाने की उपरान्त यदि संस्था द्वारा जानसूचना आदेश के समय सही सही सूचनाओं/विवरण तथा सम्बद्धता संबंधी शुल्क न जमा करने तथा सीटी की संस्था में किसी भी प्रकार की छुट्टी शासन/विश्वविद्यालय की संज्ञान में आती है तो संस्था को प्रदत्त अस्थायी सम्बद्धता स्वतः निरस्त समझी जायेगी। जिसका सम्पूर्ण उत्तरदायित्व स्वयं संस्थान का होगा।
- विश्वविद्यालय में प्रवेशित तत्काल प्राविधिक विश्वविद्यालय की प्रथम सत्रियम 2016 के अध्याय-6 (सम्बद्धता) में उल्लिखित प्रक्रियाओं का पालन संस्था द्वारा सुनिश्चित किया जाएगा अन्यथा की स्थिति में सम्बद्धता समाप्त करने की कार्यवाही की जायेगी।
- संस्था 01 अप्रैल, 2016 को पूर्ण विधानिक संस्थाओं द्वारा जसे अनुप्राप्त प्रवेश समाल की सापेक्ष विधानिक संस्था के मानकों के अनुसार प्रवेशित संस्था में निर्धारित अखिल भारतीय शिक्षा एवं निदेशक/प्राचार्य की नियुक्ति पूर्ण कर लेता। साथ ही, इन शिक्षकों की सूची तथा जसे से सम्बंधित समाल अधिलेख विश्वविद्यालय को प्रस्तुत किया जायेगा एवं इस आशय का गोटवाइज्ड शपथ पत्र देना होगा कि उनको द्वारा नियमानुसार अपेक्षित संस्था में शिक्षकों की नियुक्ति का ली गई है। विश्वविद्यालय द्वारा इनकी स्वीकृति संस्थान में कोई छुट्टी, गृहस्थान/विश्रान्ति पायी जाती है तो संस्थान को प्रदत्त अस्थायी सम्बद्धता स्वतः निरस्त समझी जायेगी जिसका सम्पूर्ण उत्तरदायित्व स्वयं संस्थान का होगा।
- सत्र प्रारम्भ होने के उपरान्त यदि संस्था के निदेशक/प्राचार्य का पद रिक्त होता है तो पद रिक्त होने की तिथि से तीन-वह के अन्दर रिक्त पद पर समाल की कार्यवाही पूर्ण कर नियुक्ति कर ली जाए जिसकी सूचना विश्वविद्यालय को अवश्य प्रेषित करारें। (अध्याय-6.15)
- सत्र प्रारम्भ होने के उपरान्त संस्था में कार्यरत शिक्षकों द्वारा संस्था छोड़ने की तिथि में 15 दिन (आधे दिवस) के अन्दर विश्वविद्यालय को

[Signature]

अवकाश सुनिश्चित करें। (अवकाश 3.10)

10. शैक्षिक एवं विश्वविद्यालय स्तरों का आकलन नियमित रूप से किया जायेगा, अन्तर्गत की स्थिति में विश्वविद्यालय द्वारा नियमानुसार कार्यवाही की जायेगी। (अवकाश 3.20/3.21)

11. तैयार एवं प्रसक्त उपकरणों की सम्पूर्ण विवरण संस्था के सुचना पट, वेबसाइट पर प्रदर्शित होने चाहिए एवं इसकी सुचना विश्वविद्यालय को भी अवगत करायें। (अवकाश 3.13)

12. संस्था की समस्त सुचनाएं संस्था के सूचना पट, वेबसाइट पर प्रदर्शित होने चाहिए एवं इसकी सुचना विश्वविद्यालय को भी अवगत कराना सुनिश्चित करें। (अवकाश 3.16)

13. संस्था द्वारा छात्रों से दिये गये शुल्क की सुचना संस्था द्वारा अपनी वेबसाइट पर तथा संस्था के सुचना पट पर अवश्य प्रकाश की जायेगी। इसकी सुचना विश्वविद्यालय को अवगत करायी जायेगी अन्तर्गत संस्था के विशिष्ट कार्यस्थित कार्यवाही किने जाने पर विचार किया जायेगा।

14. अखिल भारतीय तकनीकी शिक्षा परिषद की सम्मति समाप्त होने या निरस्त किये जाने या प्रणालित करने की दशा में सम्बद्धता का यह अनुमोदन बका निरस्त हो जायेगा।

15. छात्रों तथा अधिदेशक के समस्त विद्या के समस्त पाठ्यक्रम हेतु सम्बन्धित विद्यार्थी संस्था-पार्षदों काउंसिल आर्थ इन्डिया/अभिदेशक काउंसिल आर्थ इन्डिया (एथो लाग) का सत्र 2016-17 हेतु सम्मति का आदेश प्रवेश हेतु आहूत की जाने वाली राज्य प्रवेश परीक्षा की कार्यवाही के पूर्व विश्वविद्यालय को अवगत प्राप्त हो जाना चाहिए। अपेक्षित सम्मति आदेश अग्रसार करने की दशा में संस्थाओं को परदात अन्तर्गत सम्बद्धता सलाह निरस्त सम्मति जायेगी तथा सम्मान सत्र 2016-17 में किसी भी नये छात्र को पाठ्यक्रम विशेष में प्रवेश नहीं हो सकेगा। इसका सम्पूर्ण प्रत्यक्षनिष्ठ स्वयं संस्थान का होगा।

16. संस्था का शैक्षिक स्तर की अनुरूप किसी भी समय औषध निरीक्षण विश्वविद्यालय द्वारा किया जा सकता है और समस्त औषध निरीक्षण में निर्धारित मानकों के समस्त समिती के सुनिश्चित सम्बद्धता समाप्त करने की कार्यवाही की जा सकती है।

17. किन संस्थाओं की कार्यवाही एवं विश्वविद्यालय के मानकों की सम्मति में सम्मति अन्तर्गत विश्वविद्यालय स्तर में कोई निरीक्षण अन्तर्गत जांच की जाती है अन्तर्गत कोई नोटिस जारी की जाती है तो सम्बन्धित संस्थाओं की सम्बद्धता तदुत्तरदायी के अधीन होगी।

18. संस्था द्वारा प्रवेश में उत्तर प्रदेश शैक्षणिक सम्मति में प्रवेश (अनुसूचित जाति/अनुसूचित जाति और अन्य पिछड़े वर्गों के लिए आरक्षण) अधिनियम, 2006/विश्वविद्यालय द्वारा निर्धारित प्रवेश मानकों एवं अनुसूचित जाति/जनजाति के छात्रों से राज्य सरकार द्वारा निर्धारित नियमानुसार ही शुल्क के अधिनियम किसी अन्य प्रकार का शुल्क न लिया जाय अन्तर्गत की स्थिति में सम्बद्धता समाप्त करने की कार्यवाही की जायेगी।

19. विशिष्ट समिती के छात्रों हेतु शुल्क प्रतिपूर्ति की सम्मति में सम्मति/विश्वविद्यालय द्वारा समय-समय पर निर्गत सलाहपत्रों/आदेशों का अनुमोदन संस्था द्वारा सुनिश्चित किया जायेगा यदि संस्था द्वारा इन आदेशों की अवहेलना की जाती है तो उस स्थिति में उनकी सम्बद्धता समाप्त करने की कार्यवाही की जायेगी।

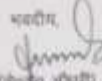
20. संस्था द्वारा यह सुनिश्चित किया जाय कि संस्था में नवप्रवेशित/अवसरगत छात्रों से शुल्क सही किये जाय जो समय-समय पर फीस निर्धारण समिति द्वारा निर्धारित की गई हो। अन्य किसी प्रकार का शुल्क/कोनेशन लेने की क्रियावली पर विश्वविद्यालय द्वारा संस्था की सम्बद्धता समाप्त करने एवं संस्था को Black List करने की कार्यवाही की जायेगी।

21. AMS (Academic Monitoring system) संस्था में विश्वविद्यालय द्वारा जारी परीपत्र संस्था काउंसिल/कुलपति/2014/4434-21 दिनांक 11.07.2014 का अनुमोदन सुनिश्चित करने की सम्मति होगी।

22. विश्वविद्यालय द्वारा शैक्षणिक एवं परीक्षा संबंधी कार्य हेतु शिक्षकों एवं शिक्षक/कर्मचारियों को दिये गये दालिमें का पालन संस्था द्वारा अनिवार्य रूप से सुनिश्चित किया जायेगा। संस्था का यह दायित्व होगा कि यह विश्वविद्यालय द्वारा प्रकाश दालिमें के अनुसार शिक्षक अन्तर्गत क्षमताएं कर्मचारियों को सफल कार्यगुण करना सुनिश्चित करेंगे। कतिपय कार्यवाही यदि ऐसा सम्मति न हो तो संस्था द्वारा विश्वविद्यालय से अनुमोदन प्राप्त किया जाना आवश्यक होगा।

23. शिक्षक संस्थाओं द्वारा वरीकृत प्रवेश समिति के कार्यक्षेत्र अन्तर्गत न्यून प्रवेश की सम्मति में किन संस्थाओं का गत वर्ष पंजीकरण 60 प्रतिशत से ग़ूर का उत्तरी वरीकृत प्रवेश समिति का एक निर्दिष्ट प्रतिशत का सम्बद्धता सत्र 2016-17 हेतु स्थापित रखा गया है। आगामी सत्र 2017-18 हेतु सम्बद्धता जारी करने के पूर्व इसे पुनरीक्षित करने या संशोधित करने पर विश्वविद्यालय द्वारा समीक्षा की जायेगी।

अनुमोदन जारी की अनुमोदन में विश्वविद्यालय अन्तर्गत संस्था के औषध निरीक्षण में किसी प्रकार की कमियां पायी जाने की स्थिति में संस्था की अन्तर्गत सम्बद्धता सलाह निरस्त सम्मति जायेगी, जिसका सम्पूर्ण प्रत्यक्षनिष्ठ स्वयं संस्थान/प्रबन्धक का होगा।

भवदीय,

(संस्था के अध्यक्ष)
कुलपति

पुनरांकन संस्था में दिनांक, उपरोक्त

प्रतिनिधि विश्वविद्यालय को सूचना एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. प्रमुख सचिव, मा. कुलपति/की राज्यपाल उत्तर प्रदेश, राज्यपाल सचिवक।

2. प्रमुख सचिव, प्रशिक्षण शिक्षा विभाग, उत्तर प्रदेश शासन, लखनऊ।

3. अध्यक्ष, अखिल भारतीय तकनीकी शिक्षा परिषद, नई दिल्ली।

4. निर्देशक, समस्त कल्याण विभाग, उत्तर प्रदेश शासन, लखनऊ।

5. राज्य काउंसिल।



Encl - 2 (d)
Pharmacy

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724163 www.aicte-india.org

F.No. Northern/1-2812997497/2016/EOA

Date: 05-Apr-2016

To,

The Principal Secretary (Tech. Edu.)
Govt. of Uttar Pradesh,
Sachiv Bhawan, Lucknow-226001,
12A, Navin Bhawan,
U.P. Lucknow-226001

Sub: Extension of approval for the academic year 2016-17

Re: Application of the institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Northern	Application Id	1-2812997497
Name of the Institute	FACULTY OF PHARMACY, RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS AGRA	Permanent Id	1-451599741
Name of the Society/Trust	BALWANT EDUCATIONAL SOCIETY AGRA	Institute Address	F E T R B S COLLEGE, BICHPURI CAMPUS, AGRA, AGRA, Uttar Pradesh, 283105
Institute Type	Unaided - Private	Society/Trust Address	F M C A, KHANDARI FARM CAMPUS, KHANDARI, AGRA, AGRA, AGRA, Uttar Pradesh, 282002

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2812997497			Courses		Attaining Body		Intake 2015-16	Intake Approved for 2016-17	NEP Approval status	PDC/Fn / Gulf quota Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level		Full/Part Time							
PHARMACY	1st Shift	UNDER GRADUATE	PHARMACY	FULL TIME	Dr. A.P.J. Abdul Kalam Technical		60	60	NA	NA	NA

Application Number: 1-2812997497

Note: This is a Computer generated Report. No signature is required.

Printed By : AIC002685

Page 1 of 2
Letter Printed On: 30 April 2016



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

		DUA TE			University, Uttar Pradesh, Lucknow					
--	--	-----------	--	--	--	--	--	--	--	--

The above mentioned approval is subject to the condition that FACULTY OF PHARMACY, RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS, AGRA shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Govt. Polytechnic Campus
Adjoining Directorate of Technical Education
Vikas Nagar, Kanpur-208 002, Uttar Pradesh
2. The Director Of Technical Education,
Uttar Pradesh
3. The Registrar,
Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow
4. The Principal / Director,
FACULTY OF PHARMACY, RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS, AGRA
F E T, R B S COLLEGE, BICHPURI CAMPUS, AGRA,
AGRA, AGRA,
Uttar Pradesh, 283105
5. The Secretary / Chairman,
BALWANT EDUCATIONAL SOCIETY, AGRA
F M C A, KHANDARI FARM CAMPUS, KHANDARI, AGRA,
AGRA, AGRA,
Uttar Pradesh, 282002
6. Guard File(AICTE)

Application Number: 1-2812997487

Note: This is a Computer generated Report.No signature is required.

Printed By : AIC002565

Page 2 of 2
Letter Printed On:30 April 2015



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Encl- 2 (e)

Architect

F.No. Northern/1-2812643933/2016/EOA

Date: 05-Apr-2016

To,

The Principal Secretary (Tech. Edu.)
Govt. of Uttar Pradesh,
Sachiv Bhawan, Lucknow-226001,
12A, Navin Bhawan,
U.P. Lucknow-226001

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Report Office	Northern	Application Id	1-2812643933
Name of the Institute	FACULTY OF ARCHITECTURE AND TOWN PLANNING, RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS	Permanent Id	1-474249951
Name of the Society/Trust	BALWANT EDUCATIONAL SOCIETY, AGRA	Institute Address	P E T R B S COLLEGE, BICHPURI CAMPUS, AGRA, AGRA, AGRA, Uttar Pradesh, 283108
Institute Type	Unaided - Private	Society/Trust Address	FMCA, KHANDARI FARM CAMPUS, KHANDARI, AGRA, AGRA, AGRA, Uttar Pradesh, 282002

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2812643933			Course		Full Time	Approving Body				
Program	Sub	Level				Institute Id	Intake Approved for 2016-17	NRI Approval status	PO/JSO/Cult/Quals Approval status	Foreign Collaboration/Working Program Approval status
ARCHITECT	1st BNR	UND GR	ARCHITECTURE	E	FULL TIME	Dr. A.P.J. Abdul Kalam	60	60	NA	NA

Application Number: 1-2812643933

Note: This is a Computer generated Report.No signature is required.

Page 1 of 2

Letter Printed On: 30 April 2016

Printed By : AKC003935



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

URE		GRA DUA TE			Technical University, Uttar Pradesh, Lucknow						
-----	--	------------------	--	--	---	--	--	--	--	--	--

The above mentioned approval is subject to the condition that FACULTY OF ARCHITECTURE AND TOWN PLANNING, RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org.

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
Govt. Polytechnic Campus
Adjoining Directorate of Technical Education
Vikas Nagar, Kanpur-208 002, Uttar Pradesh
2. The Director Of Technical Education,
Uttar Pradesh
3. The Registrar,
Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow
4. The Principal / Director,
FACULTY OF ARCHITECTURE AND TOWN PLANNING, RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS
F E T.R.B.S. COLLEGE, BICHPURI CAMPUS, AGRA,
AGRA, AGRA,
Uttar Pradesh, 283105
5. The Secretary / Chairman,
BALWANT EDUCATIONAL SOCIETY, AGRA
FMCA, KHANDARI FARM CAMPUS, KHANDARI, AGRA,
AGRA, AGRA,
Uttar Pradesh, 282002
6. Guard File(AICTE)

Application Number: 1-2812643503

Note: This is a Computer generated Report. No signature is required.

Printed By : AIC033835

Page 2 of 2
Letter Printed On: 30 April 2016

निगवेकर
Arun Nigavakar
Chairman



SPEED POST

विश्वविद्यालय अनुदान आयोग
बहादुर शाह जफर मार्ग, नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI - 110 002
OFF : (011) 23229628
: (011) 23221313
FAX : (011) 23231797
E-mail : nanu42@hotmail.com

F.No.12-1/2003 (NS/PE)

September 2, 2004

10 SEP 2004

Dear Dr. Saxena,

This has reference to your communication dated 08.01.04 recommending three colleges under the Scheme "Colleges with Potential for Excellence" (CPE). The proposals of the colleges recommended by your University were evaluated by the Standing Committee/Working Group appointed for the above purpose.

I am happy to inform you that the following college(s) has/have been selected for the award of CPE status in the first round.

1. Raja Balwant Singh College, Agra-282 002
2. St. John's College, Agra-282 002

For further details regarding selection of colleges under CPE kindly refer to UGC Website www.ugc.ac.in.

Kindly ask the Principal(s) of the College(s) to give a Certificate that the data provided by them in the proposal were factually correct. We would want you to inform the college(s) that if the data submitted by the college(s) are found incorrect, the CPE status would be revoked, as per the provision in the Guidelines on CPE.

You may request the college(s) to prepare an Action Plan for the years 2004-05 to 2006-07 along with the budgetary requirements in accordance with the CPE Guidelines, a copy of which has already sent to you and also available on our website. The colleges selected would be given the entire allocation during remaining period of X Plan, as specified in the Guidelines. An advance grant is also being released separately.

Some time during October 2004, the Principals of the colleges will be required to make a presentation about their Action Plan before an Expert Committee at UGC office, New Delhi. Further details will be sent to the college(s) in due course.

Contd...

Continuation Sheet

If the above mentioned college(s) has/have not obtained autonomous status and/or accreditation by NAAC, you may kindly advise them to take immediate steps in this regard. In case your University Act does not provide for conferring autonomous status to the colleges, I request you to take necessary steps to introduce suitable amendments in your University Act.

Finally, I would like to inform you that wherever the slots fixed for a State/Union Territory has not been filled up during the first round, fresh proposals will be invited in due course to fill up the vacant slots.

Receipt of this letter may kindly be acknowledged.

With kind regards,

Yours sincerely,

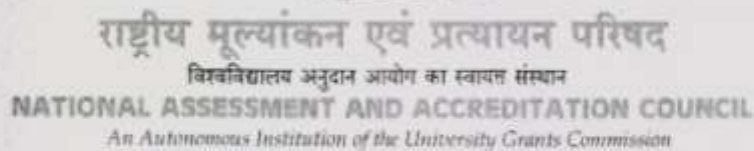
(A. Nigavekar)

Dr. G.C. Saxena
Vice-Chancellor
Dr. B.R. Ambedkar University
Agra-282 004

Copy to:-

The Principal
Raja Balwant Singh College
Agra-282 002


(K. Gunasekaran)
Joint Secretary



*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the*

Raja Balwant Singh Road, Agra
affiliated to Dr. Bhim Rao Ambedkar University, Uttar Pradesh

at the \mathcal{B}^* level.

Unsub
Director

- The 1999–2000 season is the first period of 12 consecutive years (1988–2000).
- The 1999–2000 season is the first period of 12 consecutive years (1988–2000).



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the*

*Department of Education
Raja Balwant Singh College
Raja Balwant Singh Road, Agra
affiliated to Dr. Bhim Rao Ambedkar University, Uttar Pradesh as
Accredited
at the B level.*

Date : February 28, 2005



*Unnati
Director*

- This certification is valid for a period of five years with effect from February 28, 2005
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65-C grade, 65-70-C grade, 70-75- B grade, 75-80- B grade, 80-85-B grade, 85-90- A grade, 90-95-A grade, 95-100-A grade (upper limits exclusive)

Encl. : 05

(All suits by or against the college, shall be subject to Agra Jurisdiction only)

RAJA BALWANT SINGH COLLEGE, AGRA

(College with Potential for Excellence Accredited B* by NAAC)

डॉ. टी. आर. चौहान
प्राचार्य

Dr. T. R. Chauhan
Principal

Ref. No.



Raja Balwant Singh Road, AGRA-282 002

Ph. & Fax Agra Office : 2520075

Mgt. Faculty : 2851544

Edu. Faculty : 2850596

Eng. Faculty : 2836675

Agri. Faculty Bichpuri : 2636615

Dated 26/10/20

OFFICE ORDER

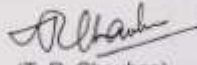
The Internal Quality Assurance Cell (IQAC) of the College is hereby constituted as follows :

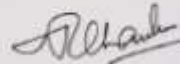
- | | | |
|-----|---|------------------------------|
| 1. | Dr. T. R. Chauhan, Principal | - Chairman |
| 2. | Dr. K. K. Gaur, Reader, Zoology | - Sr. Administrative Officer |
| 3. | Dr. Seema Bhadauria, Reader, Botany | - Co-ordinator |
| 4. | Dr. H. B. Pandey, Reader, Maths. | - Member |
| 5. | Dr. Birendra Pal Singh, Reader, Agronomy | - Member |
| 6. | Dr. Rajeev Shukla, Reader, Chemistry | - Member |
| 7. | Dr. Ramvir Singh Chauhan, Reader, Physics | - Member |
| 8. | Dr. A. K. Singh, Reader, Botany | - Member |
| 9. | Dr. Kripa Shanker Singh, Reader, Physics | - Member |
| 10. | Dr. R. K. Bakshi (Retd.)
Regional Engineering College, Kurukshetra | - External Expert |
| 11. | Dr. Sudha Saxena (Retd.)
Secretary, N.G.O. "Akansha" | - External Expert |

The Internal Quality Assurance Cell (IQAC) of the College will act as per norms of the U.G.C., New Delhi.

Copy to the following for information & necessary action :

1. Above Committee members
2. Office Superintendent
3. Asstt. Accountant
4. Establishment Section


(T. R. Chauhan)
Principal
R. B. S. College
AGRA
26/10/20


(T. R. Chauhan)
Principal
26/10/20



Contact Details:

Principal

Raja Balwant Singh College, Agra

Phone Number: 0562-2858616

Email id: rbscagra_2007@rediffmail.com

Website: www.rbscollegeagra.edu.in