Self - Study Report

Institutional Profile

2015-16 to 2019-20

Chandra Shekhar Azad

University of Agriculture & Technology, Kanpur - 208002

Self-Study Report of the University

2015-16 to 2019-20

Submitted

to

National Agricultural Education Accreditation Board
Indian Council of Agricultural Research,
New Delhi

Chandra Shekhar Azad University of Agriculture & Technology,
Kanpur - 208002

Foreword

डा. डी. आर. सिंह
कुलपति
Dr. D. R. Singh
Vice-Chancellor

चन्द्रशेखर आजाद कृषि एवं प्रौद्योगिक विश्वविद्यालय
कानपुर-208 002, उत्तर प्रदेश, भारत

Chandra Shekhar Azad University of Agriculture & Technology
Kanpur-208002, Uttar Pradesh, India

Foreword

The agricultural education in Uttar Pradesh started in1893 when a school of agriculture was established at Cawnpore (Kanpur) to impart training to Revenue Officers (Quanungos). After establishment of Imperial Institute of Agricultural Science, Pusa in 1905, the Government Agriculture College was established in Cawnpore (Kanpur) in 1906 known as 'Patter College' for providing three years diploma course '*Licentiate in Agriculture* (L. Ag.) after matriculation. In 1914, in lieu of three years diploma course, a four years diploma course was introduced, later recognized by Agra University, Agra equivalent to the degree of Bachelor of Science in Agriculture in 1930. The M.Sc. classes were introduced during 1944-45 in agriculture Botany & Entomology afterward M.Sc. (Ag.) classes in other subjects was started.

University is committed to continuous improvement in agriculture and allied sectors by developing quality manpower, providing relevant production technologies & dissemination of technologies to the farmers fields through agricultural education, research and extension approaches with a view to prove excellence in areas of concern. CSAU ushered in the green revolution by developing rust resistant dwarf and high yielding varieties of wheat besides, input responsive, diseases resistant and high yielding varieties of cereals, pulses, oilseeds and vegetables crops.

At this time Government Agriculture College, Kanpur was upgraded to UP Institute of Agricultural Sciences in 1969 by integrating teaching, research and extension education under one umbrella. Realizing the need to galvanize the pre-dominant rural economy of the state, the Government of Uttar Pradesh enacted Chandra Shekhar Azad Krishi Evam Prodyogiki Vishwavidyalaya with headquarters at Kanpur by amalgamating the erstwhile U.P. Institute of Agricultural Sciences and U.P. College of Veterinary Sciences & Animal Husbandry at Mathura in March 1975. Another feather in the cap of the University was added through the genesis of Dr. B.R. Ambedkar College of Agricultural Engineering and Technology at Etawah in 1994 with a motto to extend and ensure education and research in the field of Agricultural Engineering & Technology. In 1996, the Department of Home Science under the College of Agriculture at Kanpur attained the status of College of Home Science. Presently, the University has four colleges at Kanpur campus *viz;* College of Agriculture having 14 Departments, College of Community Science with 5 Departments, College of Horticulture with two departments and College of forestry; College of Agricultural Engineering & Technology, College of Dairy Technology & College of Fisheries Science at Etawah campus and second campus of Agriculture College at Lakhimpur Kheri.

Currently, the University offers various degree programmes *viz;* B.Sc.(Hons) Agriculture, B.Sc.(Hons) Forestry, B.Sc.(Hons) Horticulture, B.Sc.(Hons) Community Science, B.F.Sc. (Fisheries Science), B. Technology (Dairy Tech.), B. Tech. (Ag. Engg.), B. Tech. (Mech. Engg.), B. Tech. (Comp. Science), B. Tech. (Elect. & Comm. Engg.), M.B.A. (Agri. Business), M.Sc. (Agriculture), M.Sc. (Home Science), M.Sc. (Horticulture), Ph.D. (Agriculture, Home Science & Horticulture) through its constituent colleges. The study programme includes not only class room instructions and laboratory work but also on spot training at farmer's fields which provides them many additional learning opportunities.

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The University has a strong research base comprising of four Research Sections, five Regional Research Stations and four crop units and fourteen Research Farms are mandated and equipped to undertake the location specific problem solving and production oriented multi- disciplinary researches and to develop technology suited for different agro-climatic regions. Besides, Centre for Advances Agricultural Science & Technology on Nutritional Crops for capacity building of students & faculty and two Centre of Excellence for Wheat & Vegetables crops are also in operation development of improved cultivars & their matching technologies. Besides, bio-control lab, spawn production lab, bacterial agent production lab, pesticide residue analysis lab, soil & water nutrient lab, tissue culture lab, bio technology lab, food analysis lab etc. are well equipped and furnished.

University has assumed added responsibility of arranging on-farm vocational agro-allied programmes for the extension workers and farmers of area jurisdiction of the University. For the purpose, thirteen Krishi Vigyan Kendras (Daleep Nagar-Kanpur, Kannauj, Farrukhabad, Etawah, Mainpuri, Hazratpur-Firozabad, Hathras, Aligarh, Kashganj, Hardoi, Lakhimpur Kheri, Dariyapur-Raebareli & Thariaon-Fatehpur) have been established with financial support of Indian Council of Agricultural Research, New Delhi.

It is a matter of great satisfaction that Indian Council of Agricultural Research, New Delhi has constituted National Agricultural Education Accreditation Board to accreditate agricultural institution. Chandra Shekhar Azad University of Agriculture & Technology, Kanpur was granted the accreditation in 2016 for five year. ICAR, New Delhi has provided another opportunity to evaluate ourselves to enable us to identify our strength and weakness. It is the time of introspection about University goals, objectives and achievements to meet future challenges.

I have the privilege to present University profile as Self Study Report for the period of 2015-16 to 2019-20 for accreditation to the National Agricultural Education Accreditation Board. This study report has been made possible through collective efforts of faculty members and Head of the Departments. There have been challenges but the unending quest for perfection and consistent hard work of University officers and faculty members have turned them into opportunities to learn and run the various activities smoothly. They deserve my whole hearted appreciation and compliments. The dedicated members of several committees and the editorial team deserve applaud and appreciation for their untiring efforts in compilation and editing this Self Study Report, and its timely publication.

(D.R. Singh)

Dated: 10 Jan, 2021

Place: Kanpur

Steering Committee

Chairman : Dr. D.R. Singh, Vice Chancellor, CSAUA&T, Kanpur

Coordinator/ Member Secretary: Dr. Dharm Raj Singh, Dean College of Agriculture

Members:

1. Dr. Sarvendra Kumar, Registrar
2. Smt Sadhana Srivastava, Comptroller
3. Dr. H.G. Prakash, Director, Agricultural Experiment Station (AES)
4. Dr. Ved Ratan, Dean, College of Home Science
5. Dr. J.P. Yadav, Dean, College of Agricultural Engineering & Technology, Etawah
6. Dr. R.K. Yadav, Dean, College of Agriculture, Lakhimpur Kheri Campus
7. Dr. R.P. Singh, Dean Students' Welfare (DSW)
8. Dr. Dhoom Singh, Director Extension
9. Dr. Karam Husain, Director, Administration & Monitorng
10. Dr. C.P. Sachan, Professor, Seed Science & Technology
11. Dr. Y.P. Malik, Estate & Administrative Officer
12. Dr. V.K. Yadav, Professor & University Engineer
13. Dr. R.A. Yadav, Professor & Director Seed & Farms
14. Dr. A.K. Dubey, Professor & Joint Director Research
15. Dr. V.K. Verma, Professor & Store Purchase Officer
16. Dr. Dhananjai Singh, Professor and Coordinator University Accreditation
17. Dr. P.K. Singh, Professor, Genetics and Plant Breeding
18. Dr. Manoj Katiyar, Assistant Professor & Incharge Library

Convener: Dr. Ram Pyare, Professor and Nodal Officer (ICAR)

Task Force Committee

Chairman: Dr. P. K. Singh, Professor, Genetics and Plant Breeding

Members:

Task	Members	Designation
History & Development of the University	Dr. U.K. Tripathi,	Professor & Head, Plant Pathology
	Dr. S.K. Biswas	Professor, Plant Pathology
Mission, Goals, Objectives & Governance	Dr. Dharm Raj Singh	Dean, College of Agriculture
Academic Programmes & Curricula	Dr. Sarvendra Kumar	Registrar
Student, Faculty & Other Human Resources	Dr. Karam Husain	Professor Agronomy & HoD Crop Physiology
Students & Students Development	Dr. R.P. Singh	Dean Students' Welfare
Students' Placement	Dr. A.L. Jatav	Professor & Head, Seed Science & Technology
Research	Dr. H.G. Prakash	Director, Agricultural Experiment Station
Extension	Dr. Dhoom Singh	Director Extension
Library & other learning resources	Dr. Manoj Katiyar	Officer-in-Charge, Library
Physical facilities	Dr. Y.P. Malik	Estate & Administrative Officer
Finance	Sri Rajesh Kumar	Comptroller
Chief Editor	Dr. Dharm Raj Singh	Dean Agriculture
Editorial Board	Dr. Munish Kumar	Professor, Soil Conservation & Water Management
	Dr. Arvind Kumar Singh	Additional Director Extension
	Dr. Ram Pyare	Professor Agronomy and Nodal Officer (ICAR)
	Dr. V.K. Verma	Professor, Agronomy
	Dr. Dhananjai Singh	Professor, Agronomy and Coordinator University Accreditation

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Milestones

- First School of Agriculture was established in the country to impart training to Revenue Officers (Quanungos) in 1893.
- Government College of Agriculture was established in1906.
- Uttar Pradesh Institute of Agricultural Sciences was established in1969.
- Chandra Shekhar Azad University of Agriculture and Technology came into existence in March 1975.
- More than fifty alumni as Padma Bhushan & Padamshree awardee, Vice Chancellors, Civil Servants, Directors of International / National Institutes etc. in India and abroad.
- The university became the first State Agricultural University (SAU) in the country to adopt the External-Internal system of examination (70:30 ratio) under semester system.
- First SAU, to involve university students in Placement Cell, resulting in better avenues for getting jobs.
- First SAU, which involved the university students in participatory seed production programme for quality seed production with the objective of developing skill in them under experiential learning programme.
- Developed 259 nationally acclaimed crop varieties for different situations.
- CSAU varieties contribute 94% in linseed; 91% in sesame; 80% in chickpea; 74-70% in groundnut, vegetables and mustard; 65% in barley; and 52-47% in field pea, urdbean and lentil, out of total certified seeds distributed in the state.
- First in the country to develop late sown climate ready wheat variety Halna for rice-wheat rotation and also after digging of potato and harvesting of pigeonpea.
- Internationally known for its wheat varieties K 9107-Deva (adopted by Bangladesh for large scale cultivation) and K 9006-Ujiyar (adopted by Nepal and released as Achutya). Also, lentil variety K 75-Malka (for high export quality, high seed demand from S. Korea) and pigeonpea variety Prabhat (for high acreage in Australia and Sri Lanka - popularly known for its early maturity).
- Nationally known for important crop varieties like chickpea KGD 1168 (as wilt resistant, very popular in WB, Assam, Orissa, Bihar); fieldpea Rachna (as powdery mildew resistant, popular throughout the country); tablepea Azad P 3 (as high yielding, popular throughout the country); urdbean T-9 (widely adapted throughout the country); mustard Varuna (as high yielding, popular throughout the country); pigeonpea Prabhat (grown throughout the year in South India); and in wheat K 65 and K 68 (for best Chapati making quality) and Shatabdi (for high protein, high yield, best for the NEPZ).
- Pioneer in quality wheat with > 13% protein and best chapati making qualities; yellow sarson with > 42% oil and >30% yield; groundnut suitable for summer cultivation; alternative use of dual purpose linseed varieties (stalk waste for plastic industry).
- Breeding work under different crops has evolved different varieties, which are not only popular in the state, but are also being used as national checks in All India Coordinated trials for varietal testing in respective crops like Pitambari in yellow sarson, K 125 in barley, Awarodhi and KPG 59 in chickpea, Azad P 3 in tablepea and Varuna in sarson are important ones.
- Varieties like Halna in wheat for heat tolerance and late sowing, Rachna in fieldpea for powdery mildew resistance are also being used as donors.

- Developed unique situation specific varieties viz., in wheat, Halna, Unnat Halna and Golden halna (thermo-insensitive and suitable for sowing late), Mandakini (rainfed) and Sona (bakery purpose); in mustard, Urvashi (high temperature tolerant), Kanti (early sown) and Bhawani – toria (short duration); in chickpea Awarodhi, KWR 108 and KGD 1168 (wilt resistant) and Udai (late sown); in fieldpea, Rachna (powdery mildew resistant); in maize, Sharadmani (for winter); and in sorghum Bundela (dual purpose and bold seeded).
- Wheat cultivation technology for one irrigation K-1317.
- Five times bagged National Productivity Council Award for developing Watershed technology for ravines and hillock areas.
- First time developed summer groundnut cultivation technology by covering more than 3.0 lakh ha area in UP.
- Developed Border method of cropping system in paddy and wheat which saves 25% of inputs. Under this method, after 3 rows of sowing of paddy, 4th row is left unsown. However, the yield remains the same.
- For drought prone areas, thiourea spraying technology developed and popularized in bajra cultivation.
- Identified T. harzianum (Th Azad) strain, which gives highest initial population and increased shelf life by using sorghum grains as substrate under ICAR Niche area of Excellence.
- Developed IPM modules for chickpea, pigeonpea, lentil and chilli for pod borers, root rot and wilt complex.
- Under ICAR 'Modernization of Farms' scheme transformed 20 ha of uncultivated land into cultivable land.
- Developed sixty low cost recipes of bajra, maize and groundnut for farm-women.
- Blanching of bathua foliage for five minutes, followed by rinsing in water, removes harmful substances up to 76% oxalates and 59% phenolics resulted in higher protein (42.4%) and lower oxalates (4.4% dry weight basis) and phenolics (1.4% dwb) than unprocessed one.
- Introduced Zaid sunflower in the Central Plain Zone for raising the productivity and income per unit area as the fields remain fallow during Zaid.
- Recommended shifting of cultivation of groundnut from the white grub stricken areas of Hardoi to non-traditional areas of Bundelkhand Zone.
- Introduced intercropping systems of potato + rai (3:1) and wheat + rai (9:1) among farmers as it increases total production.
- Developed a cross bred cow 'Sujata' (Sahiwal x Jersey), gives about 10 lt. milk/day having 5.8% fat.
- Popularized among farmers the use of Butachlor in paddy and Isoproturon in wheat for weed management.
- First to launch Kisan SANDAI Scheme (Scientific Activity for National Development in Agricultural Improvement) for all round development of farmers through Rastriya Krishi Vikas Yojana (RKVY) under lab to land programme using local resources.
- Para Banno Begam village (fully ignorant about new agricultural technologies) under Beura Block of Banda was adopted by the university in 2008, which resulted in

migration of rural youth and awakening them about benefits of modern and remunerative farming. University efforts were praised by the ICAR and thus its success story has been put on the ICAR website.

- Awakened farmers of Bundelkhand region for adopting weed management technology to combat obnoxious weeds like kans (*Saccharum munja*) and motha (*Cyprus rotundus*).
- Popularized the adoption of indigenous low cost mushroom (oyster and white button both) production technology by progressive farmers.
- University KVK-Aligarh popularized indigenous method of honey production among farmers of western UP using local resources.
- Popularized quality seed production by Farmers Interest Groups (FIGs), which resulted in raising seed replacement rate.
- Popularized planting technology of Aonla in usar affected soils, particularly in Fatehpur and neighbouring districts.
- First time to two Ph.D. Scholar was attended International training programme at CIMMYT, Maxeco during March 09, 2020 to June 11, 2020.
- First bio-fortified village Anuppur District Kanpur Dehat was launched on 12th August 2020.

Glimpses of Institutional Growth

Chandra Shekhar Azad University of Agriculture & Technology, Kanpur popularly known as ‘‘Patthar College” is one of the oldest former Agriculture colleges created to cater the needs of Agriculture education in preindependence India. The Institution continued its journey after independence of India. It attained its present status of University in 1975, after several stages of metamorphosis with mandate ***“ Making provision for the education of rural people of Uttar Pradesh in different branches of agriculture, including rural industry and business and other allied subjects, furthering the frontiers of research in agriculture and allied sciences; and for undertaking field and extension programmes in its service area***”. The University has maintained a rich tradition of quality education and research ever since its inception. A number of Alumnae of this University have held key position in the area of agriculture research and education both in India and abroad.The current mission of the University is not different from the original mandate adopted at time of its establishment. Based on current needs of changing agricultural scenario at the national and international levels and need of students, new programme have been started like B.Tech. (Dairy Tech.) B.F.Sc in U.G. level and M.Tech. in Agricultural Engineering and Mechanical Engineering & MBA. We take admission in undergraduate, postgraduate and Ph.D. course through UPCATET entrance examination.

There are seven faculties viz; Faculty of Agriculture, Home Science, Forestry & Horticulture at Kanpur and Faculty of Agricultural Engineering and Technology, Dairy Technology & Fisheries at Etawah to cater teaching needs under various degree programmes. Second campus of Agriculture College is also established at Lakhimpur-khiri. The study programme includes not only class room instructions and laboratory work but also on spot training at farmers’ fields which provides them many additional learning opportunities.

The foundation of the Chandra Shekhar Azad University of Agriculture & Technology, Kanpur popularly known as **Patthar College** was laid in 1906. In 1969, the U.P. Government took a bold decision to upgrade the Government Agriculture College, Kanpur as U.P. Institute of Agricultural Sciences, Kanpur with merger of ;

1. Economic Botanist (Rabi Cereals)
2. Economic Botanist (Vegetables)
3. Economic Botanist (Legumes)
4. Economic Botanist (Oilseeds)
5. Plant Pathologist to UP Government, Kanpur (Plant Pathology Department)
6. Entomologist to UP Government, Kanpur (Entomology Department)
7. Crop Physiologist to UP Government, Kanpur (Crop Physiology Department)

8. Soil Chemist to UP Government, Kanpur
   (a) Soil Survey Scheme (Soil Science and Agricultural Chemistry Department)
   (b) Soil Testing Scheme (Soil Science and Agricultural Chemistry Department)
   (c) Soil Microbiology (Soil Science and Agricultural Chemistry Department).
9. Regional Testing & Training Centre (RTTC) of Ministry of Agriculture, GOI.
10. Rice Milling Scheme of Government of India.

In due course of time, Baba Saheb Dr. B. R. Ambedkar College of Agricultural Engineering & Technology, Etawah (1994) and College of Home Science, Kanpur (1996) were also established. In 2001, the College of Veterinary Science & Animal husbandry, Mathura has been given an independent status of the Veterinary University. The University has now eight constituent colleges with 24 departments (13 in College of Agriculture, 5 in College of Home Science, 2 in College of Horticulture and 4 in College of Agricultural Engineering & Technology). Out of eight Colleges, five new have been created during 2006 and started functioning from 2014-15 only after making provisions in the University Statutes.

The major responsibility of University is to the development of agriculture and allied sectors in 22 districts of five divisions (Allahabad, Agra, Aligarh, Kanpur and Lucknow) spread in two agro-climatic zones. It caters to the needs of the farming community spread over 36 per cent (10822 thousand ha) of the total geographical area (29807 thousand ha), 63 per cent (17249 thousand ha) of the total cultivated area and 37 per cent of the total population of the State. The University has 22 Research Sub-stations/ seed farms, 13 Krishi Vigyan Kendras to look after the research and need based transfer of the area of the State under its jurisdiction. The University is spread over an area of about 1131.49 hectares containing various research stations. The total area of the premises is 235 thousands square meter but most of this is with the College of Agriculture.

The University offers B.Sc. (Hons.) Agriculture, B.Sc. (Community Science), B. Tech. (Agriculture Engineering), B.Sc. (Forestry), B.Sc. (Horticulture), B.Tech. (Dairy Technology) and B.Sc. (Fisheries Sciences) programmes at undergraduate level. Masters Programmes in 22 and Ph.D. programmes in 16 disciplines have also been offered. The University has adopted the semester system of examination along with internal and external evaluation. All examinations were conducted timely and the results declared within a fortnight. A brief introduction about all the colleges are given below;

(a) College of Agriculture, Kanpur: This is the oldest College, which was established in 1906. Presently, the college offers B.Sc. Hons. (Ag.) degree programme at undergraduate level and M.Sc. (Ag) in 13 and Ph.D. in 13 disciplines at postgraduate level. The College has 13 departments. The College has already adopted the ICAR IV & V Deans Committee recommendations in PG and UG Programmes on academic regulations respectively, Student READY (RAWE, Industrial Training and Experiential learning) courses at undergraduate level is implemented. The College had also implemented the restructured PG curricula recommended by the ICAR.

(b) College of Home Science, Kanpur: The University took a decision in 1986 to start a department of Home Science at Kanpur primarily with the objective of starting a B.Sc. (Hons) Community Science degree programme. Accordingly, the department was created and established as a part of the College of Agriculture, Kanpur. Intake capacity was 60 students. The department was upgraded to the status of the College of Home Science in 1996 by upgrading the Department of Home Science (running under Faculty of Agriculture since 1986) and named as Maharani Avanti Bai College of Home Science. The intake was reduced from 60 to 40 w.e.f. 1998-99. From 1997-98, the degree programme was changed to four-year duration and was brought *at par* with ICAR recommendation. The department started PG programme in 1994-95 when 17 students were admitted to M.Sc. (H.Sc.) F&N degree programme.

Presently, undergraduate and postgraduate courses are running in five department's viz. Food Science & Nutrition, Family Resource Management, Extension & Communication Management, Textile & Clothing and Human Development. The College has adopted 4 years B.Sc. (Hons.) Community Science degree programme, which includes 2 year professional training.

(c) College of Agricultural Engineering & Technology, Etawah: Baba Saheb Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah was established during the year 1994-95 with an objective of imparting education in the discipline of Agricultural Engineering. The main motto of the College is to provide for engineering education to rural people of Uttar Pradesh and provide good facilities for research and extension in the field of Agricultural Engineering and Technology. B. Tech. program in Agricultural Engineering was started in academic year 1994-95. Electronics & Communication Engineering and Computer Science Engineering have also been started from the academic session 2002-03 and Mechanical Engineering in 2003-04. The College campus is spread over 147 acres of land. Out of this, the academic and residential campus is spread over an area of about 113.71 acres. Rest of the area (33.29 acres) is under demonstration cum research farm. Workshop, Academic Building, Library, Advance Research Centre, Medical Centre, four Girls, three Boys hostels excluding type V and IV B residences convert hostels for first year male students, 86 residential quarters for Dean, faculty members and other staff has been completed.

(D) College of Forestry, Kanpur: This College has its roots from the Department of Agroforestry established under the aegis College of Agriculture in the year 2002. The Department was elevated to the status of a full-fledged College on 2nd January, 2006 when the then Chief Minister of Uttar Pradesh has declared the establishment of the College of Forestry as a constituent College of the University. The building was inaugurated on October 04, 2009. However, PG programme in two disciplines were initiated in 2007 but closed down after a year in the want of formal approval from the state government and only undergraduate degree continued to be awarded from the College of Agriculture. With constant efforts, the university got the necessary formal approval for the establishment of the college as well as running courses from the competent authority during 2014. Presently the College offers a four years undergraduate degree programme in B.Sc. Hons. (Forestry).

(E) College of Horticulture, Kanpur: This College also has its roots from the Department of Horticulture established under the aegis of College of Agriculture in the year 1945-46. The Department was elevated to the status of a full-fledged College on 2nd January, 2006 when the then Chief Minister of Uttar Pradesh has declared the establishment of the College of Horticulture as a constituent College of the University. The building was inaugurated in the year 2011. However, the necessary formal approval for the establishment of the college as well as running courses from the competent authority was accorded in the year 2014. Presently the College offers a four year degree programme in B.Sc. Hons. (Horticulture) with provision of 33 seats and Postgraduate programmes in two disciplines.

(F) College of Fisheries Sciences & Research Centre, Etawah: This new College was sanctioned to the University on 14th January 2006 by the then Chief Minister of Uttar Pradesh for Etawah campus. However, the formal approval of the College as well as its different course programme was accorded during 2014 only. Sixty per cent of the required number of teaching staff (as per the ICAR norms) has also been sanctioned by the state Government. The process for filling of the sanctioned positions has been initiated by the University administration. Undergraduate academic programme in B.F.Sc. Hons. (Fisheries Sciences) has been started from 2015-16 academic session with provision of 40 seats. The building of the College is very beautiful and spacious. The laboratories and the classrooms are provided with modern amenities.

(G) College of Dairy Technology, Etawah: This College was also sanctioned to the University on 14th January 2006 by the then Chief Minister of Uttar Pradesh for Etawah campus. However, the formal approval of the College as well as its different course programme was accorded during 2014 only. Sixty per cent of the required number of teaching staff (as per the ICAR norms) has also been sanctioned by the state Government. The process for filling of the sanctioned positions has been initiated by the University administration. Undergraduate academic programme in B. Tech. (Dairy Technology) has been started from 2015-16 academic session with provision of 40 seats. The building of the College is very beautiful and spacious.

(H) College of Agriculture, Lakhimpur-kheri: This College was sanctioned to the University during 2014 by the state Government. The building is in construction phase and is expected to be completed by the end of may-June, 2016. The formal approval of the College as well as its different undergraduate course programme has also been accorded by the state Government. However, the required number of teaching positions is yet to be sanctioned. Undergraduate academic programme in B.Sc. (Hons.) Agriculture has been started from academic session 2015-16 with provision of 66 seats.

6.6.1. University Governance

Chandra Shekhar Azad University of Agriculture and Technology (*Chandra Shekhar Azad Krishi Evam Prodyogik Vishwavidhyalaya*), Kanpur came into existence in March 1975. With a mandate to import education carry out research and disseminate the findings of research through the extension education programmes. The highest policy making body of the University is the Board of Management with Vice Chancellor as its Chairman, ex-officio members are the secretaries of the government departments of Finance, Agriculture, Animal Husbandry and Higher Education and nine nominated members representing diverse field agricultural education, progressive farmers, agricultural graduates, the ICAR nominee and social workers. The Academic Council, Board of Studies, Finance Committee, Research Advisory Committee and Extension Advisory Committee advise the Board on academic and administrative matters. The Academic Council consists of key officers of the University and includes the Vice Chancellor, Deans of the various colleges of the University, the Director of Research, Director of Extension and Heads of the Departments. The Board of Studies is different for each discipline. The extension and research committees, which are chaired by the Vice chancellor has powers to recommend on matters pertaining to extension education and research, respectively. The system developed for the governance of the University has gone a long way in facilitating the smooth and efficient functioning of the University. Delegation of responsibility at all levels has facilitated decision-making and devolution of authority and accountability is needed for managing a vibrant and growing organization.

The Vice-Chancellor is Principal Executive and Academic Head of the University and Ex-officio Chairman of Board of Management and Academic Council. Board of Management and Academic Council are the apex bodies, which takes decisions on administrative, financial and academic matters, respectively. The authorities like Academic Council, Board of Studies, Finance Committee, Research Advisory Committee, Extension Advisory Committee, Sports and Cultural Committees and various Boards Sub-Committees etc. provide necessary recommendations/ suggestions to facilitate the Board of Management to take appropriate decisions. The decisions taken by these two apex bodies are translated into action by respective functional heads. Matters pertaining to finance and budgetary aspects are channeled through Comptroller whereas those concerned with general administration are dealt through Director, Administration & Monitoring. Dean coordinates the academic activities of the University and the constituent colleges. Board of Management also appoints Heads in different Departments who make recommendations to the concerned Dean on academic fronts and hold meetings of the departmental staff for discussing matters relating to budget, development of curriculum and curricular changes.

The academic regulations pertaining to student's admission and award of degrees are being looked after by Registrar of the University. The actions to be initiated in research and extension activities of the University are executed through Director of Research and Director of Extension, respectively. The students' co-curricular activities are monitored through Dean Students' Welfare. Director Placement arranges the job to alumni of different programmes of different faculties besides their career counselling. The activities pertaining to construction of buildings, maintenance of buildings and other physical facilities are monitored through University Engineer whereas the Estate Officer looks the general beautification of the

campus, allotment of houses etc. The security Officer takes care of the security of the University and the Librarian exercises overall control of the libraries of the University.

In order to achieve the goals and objectives of the University, appropriate decisions at various levels have been taken, which needs to be translated into action. The University has evolved a mechanism to ensure that teaching and non-teaching staff working in different cadres as well as students would participate in the decision making process. The Act and Statutes of the University has provision to create authorities, which help the Board of Management to take decisions on academic, administrative and financial as well as activities pertaining to students' welfare. These authorities make recommendations to Board of Management to facilitate the apex body to take decisions. Besides, the Board of Management has also been empowered to appoint committee(s), standing or temporary as it deems necessary for its proper functioning. Making use of this provision, Board of Management has appointed sub-committees of Board to oversee the various activities of the University. The recommendations of various sub-committees provide basis for decision making by the Board of Management.

The decisions in respect of academic activities of the University pass through three stages. At the grassroots level, Board of Studies of respective faculties make regulations regarding admission of students to the various courses of study and methods of evaluating the progress in respective disciplines. The Board of Studies recommends to the Academic Council that degree be conferred on students who have met satisfactorily the degree requirements of the faculty and the University. The recommendations of Board of Studies are placed before Academic Council prior to implementation. Besides, the Academic Council is also empowered to take independent decisions on academic matters and translate into action. Finally, the Board of Management considers the recommendations made by Board of Studies and Academic Council and gives its assent. Similarly, Research Advisory Committee and Extension Advisory Committee make recommendations on all matters pertaining to research and extension activities to be carried out by the University. Under state non-plan schemes, a multi-tiered arrangement, Zonal Research Advisory Council (ZRAC) involving the zonal stations, extension specialists and departments of the University, other research institutions of the zone, line departments and farmers representative provide operational frame work for formulating relevant research agenda. Students are also actively involved in decision making in various co-curricular activities of the University like hostel management committee, hostel supervisory committee, sports and cultural committee, mess management committee.

The Student Welfare Committee meet at least once in a semester to review the various student programmes in different colleges of the University. Student meets are organized periodically by the respective Deans to discuss the students' problems/ suggestions and to find out possible solutions. The personnel, financial and administrative management of the University is carried out under the leadership of Vice Chancellor. The Administrative Officers of the University provide necessary support to the Vice Chancellor to take decisions regarding service matters of both faculty and supporting staff. Various other committees are constituted to provide suggestions/ guidelines for taking appropriate decisions pertaining to service matters e.g., a committee to look into personal grievances of staff and demands put-forth by various staff associations, a committee to look into the filling up of vacant positions in respect of teaching and non-teaching staff, house allotment committee, screening

committee etc., Similarly, the necessary support to carryout financial administration is provided by Comptroller of the University. The Finance Committee and Works Committee make necessary recommendations on annual budget estimates and campus development to the Board.

Board of Management

The University is guided by a Board of Management, which is the policy making body and is responsible for the management of the University. The Vice Chancellor is the working Chairman of the Board. The members include the following-

1.	**Vice Chancellor**	–	**Chairman**
2.	Secretary Agriculture, U.P. Government	–	Member
3.	Principal Secretary, Finance, U. P. Government	–	Member
4.	Principal Secretary, Higher Education, U. P. Government	–	Member
5.	Director, Agriculture, U. P. Government	–	Member
6.	Director, Animal Husbandry, U. P. Government	–	Member
7.	Member of Legislative Council (MLC)	–	Member
8.	Two Members of Legislative Assembly (MLA)	–	Member
9.	An Eminent Agricultural Scientist	–	Member
10.	A Progressive Farmer	–	Member
11.	A distinguished industrialist or manufacturer having special knowledge of or practical experience in agriculture development	–	Member
12.	A Live Stock Breeder	–	Member
13.	Representative of Registered Graduates	–	Member
14.	An outstanding woman social worker preferably having background of rural advancement	–	Member
15.	Representative of the ICAR	–	Member
16.	Comptroller	–	Ex-officio Secretary

Powers and Duties of the Board

- To approve the budget submitted by the Kulpati,
- To appoint the members of the academic and administrative staff of the University in the manner prescribed,
- To hold and control the property and funds of the University and issue any general directive in the behalf,
- To accept the transfer of any movable or immovable property on behalf of the University,
- To administer any funds placed at the disposal of the University for specific purposes,
- To invest moneys belonging to the University,
- To direct the form and use of the common seal of the University,
- To appoint such committees, either standing or temporary as it deems necessary for its proper functioning,
- Subject to the provision of Sub Section (I) of Section (II) to appoint a Kulpati,
- To borrow money for capital improvements and make suitable arrangements for its replacement,

- To meet at such time and in such places as it deems necessary, provided however, that it shall hold one regular meeting at least every two months, and provided further that at least one-half of its regular meeting be held at the University, and
- To regulate and determine all matters concerning the University in accordance with the Act and the Statutes and to exercise such powers and to discharge such duties as may be conferred or imposed on it by the Act and the Statutes.

Meetings of the Board of Management organized during 2015-16 to 2019-20

S. N.	Meeting	Date	No. of Participants
1.	Emergent	02.07.2015	11
2.	151st	07.08.2015	11
3.	Emergent	07.01.2016	07
4.	Emergent	04.11.2016	13
5.	152nd Meeting	06.09.2017	16
6.	Emergent	27.02.2018	12
7.	153rd Meeting	25.04.2018	14
8.	154th Meeting	25.09.2018	11
9.	155th Meeting	13.12.2018	06
10.	156th Meeting	01.06.2019	11
11.	157th Meeting	21.09.2019	12
12.	Emergent	08.11.2019	08
13.	158th Meeting	18.01.2020	09

Organizational Structure of the University

6.6.1.1 Vision, Mission and Goals

Whether the University has published vision document and has developed the plan of implementation with time frame and proposed financial arrangement? Whether the University has planned, developed, implemented, and evaluated intentional and purposeful programs/services that may facilitate students and other stakeholders of the University provide one paragraph for each.

Vision

- Making provision for the education of rural people of Uttar Pradesh in different branches of agriculture and allied sector including rural industry and agri-business and other allied subjects.
- Furthering the prosecution of research, particularly in agriculture and other allied sciences and.
- Undertaking field and extension programmes in its service area.

Mission

Improving the competitiveness of agriculture by developing quality human resource competency, enhancing productivity, profitability and maintaining the sustainability of production system through efficient use of resources, technology transfer and catalyzing innovation across the agriculture in order to ensure food and nutritional security and rural prosperity.

Goals

To develop competent human resource, develop and evaluate technologies through basic, strategic, applied and adaptive researches to accelerate pace of production, income and rural employment and minimizing the production losses in agriculture and allied sector through multidisciplinary team approach, national and international collaboration without any adverse impact on the national resources and environment.

6.6.1.2. Statutes and Regulations

Provide list of Statutes and Regulations published in the gazette notification and being implemented by the University for administration and planning.

Notification

In exercise of the powers under sub-section (i) of section 29 of the Uttar Pradesh Krishi Evam Prodyogik Vishwavidyalaya Abhiniyam, 1958 (U.P. Act No. XIV of 1958), as amended from time to time, the Governor is pleased to make the following first Statutes of the Chandra Shekhar Azad Krishi Evam Prodyogik Vishwavidyalaya, Uttar Pradesh, Kanpur (Notification No. 5071/12.8-400(2)/76 dated Lucknow Sept. 15, 1976). The statutes constitutes XXVI chapters, which details are as under:

Chapter	Particular
I	General
II	Officers of the University
III	Board of Management
IV	Academic Council
V	College
VI	Faculties
VII	The Deans of Faculties
VIII	The Department
IX	Head of Department
X	Director of Agricultural Experiment Station
XI	Director of Extension
XII	Classification of the teachers of the University
XIII	Appointment of staff
XIV	Institution of degrees and diplomas
XV	Honorary Degrees
XVI	Fellowships, Scholarships, Medals and Prizes
XVII	Hostels
XVIII	Provident Fund
XIX	Election of A Representative of the Board of Management of University to serve on the Committee constituted to recommend a panel of Three Persons for Appointment as Vice-Chancellor.
XX	Emoluments Terms and Conditions of service of the Vice-Chancellor
XXI	Number, qualifications and employments and other terms and conditions of service of employees of the University other than of the Vice-Chancellor.
XXII	Admission of students of the University and their enrolment and continuance as such.
XXIV	Conditions under which students shall be admitted to the Degrees, Diplomas or other courses and to the Examinations of the University and shall be eligible for the Award of Degrees and Diplomas.
XXV	Conditions of residence of the students of the University and the Levying of Fees for Residence in Hostels maintained by the University.
XXVI	Recognition and management of hostels not maintained by the University.

REGULATIONS OF THE UNIVERSITY AS PER ACT

The University is regulated by an Act which constitutes following particulars:

S. No.	Particulars
1.	Academic Regulations
2.	Instructions for Paper Setter and Examiners
3.	Appointment of Examiners for final examination of the University

4. Regulations for the conduct of examinations in the faculty of the Veterinary Science and Animal Husbandry.
5. Regulation for the award of Ph.D. Degree
6. Ph.D. Form I to VIII
7. Regulations for holding the convocation of the Vishwavidyalaya
8. Regulation for the award of Medals
9. Rules for intership programme for Veterinary Graduates
10. Norms for work load of Teaching staff in the University
11. Tour Rules

6.6.1.3. University Statutory officers and their selection process

Provide list of the statutory officers sanctioned in the Act, present position, their mode of appointment (selection/nomination), joining date, tenure. Please provide the reason of those statutory officers who have not been appointed so for.

The Kuladhipati, Kulpati, Comptroller, Kulsachiv, Dean of Students' Welfare, Dean of Faculties, Director Agricultural Experimentation Station, Director Extension and such other persons in the service of the university are Statutory Officer of the university. The details of the Statutory Officer of the University is mentioned below:

S. No.	Name of the position (Sanctioned)	Name of the Officer (at present)	Date of the appointment	Tenure (Years)	Appointed/ Nominated
1.	Vice Chancellor	Dr. D. R. Singh	11.02.2020	3 yrs	Appointed
2.	Registrar	Dr. Sarvendra Kumar	28.09.2020	-	Nominated
3.	Comptroller	Sri Rajesh Kumar		-	Nominated
4.	Dean Students' Welfare	Dr. R.P. Singh	09.08.2019	-	Nominated
5.	Dean Agriculture	Dr. Dharmraj Singh	07.07.2020	-	Nominated
6.	Dean Home Science	Dr. Ved Ratan	12.01.2018	-	Nominated
7.	Dean Horticulture	Dr. Dharmraj Singh	07.07.2020	-	Nominated
8.	Dean Forestry	Dr. Dharmraj Singh	07.07.2020	-	Nominated
9.	Dean, Agricultural Engineering	Dr. J.P. Yadav	24.02.2018	-	Nominated
10.	Dean, Dairy Technology	Dr. J.P. Yadav	24.02.2018	-	Nominated
11.	Dean, Fisheries Science & Research Centre	Dr. J.P. Yadav	24.02.2018	-	Nominated
12.	Dean, Agriculture, Lakhimpur Kheri	Dr. R.K. Yadav	06.03.2019	-	Nominated
13.	Director, Agricultural Experiment Station	Dr. H.G. Prakash	18.02.2016	-	Nominated
14.	Director Extension	Dr. Dhoom Singh	04.08.2015	-	Nominated
15.	Director Administration & Monitoring	Dr. Karam Husain	13.08.2019	-	Nominated
16.	Director Seed & Farms	Dr. Ram Ashish Yadav	01.05.2020	-	Nominated
17.	Store Purchase Officer	Dr. V.K. Verma	20.05.2020	-	Nominated
18.	Estate & Administrative Officer	Dr. Y.P. Malik	21.05.2020	-	Nominated
19.	University Engineer	Dr. V.K. Yadav	28.02.2019	-	Nominated
20.	Security Officer	Dr. A.K. Singh	31.10.2019	-	Nominated

Selection Process

Recruitment Procedure technical, supporting and administrative staff

The administrative, technical and non-teaching staff of the University is classified in Group A, B, C and D. Appointing Authority for the posts in Group 'A' is the Board of Management and for Group 'B', Group 'C' and Group 'D' is the Vice-Chancellor.

The recruitment procedure of group 'A' & 'B' categories

- After getting the permission from State Government all the vacant positions are advertised in three national daily news paper and also placed on the website of the university. Applications are called in prescribed format.
- A screening committee is constituted for short listing the candidates to be called for interview as norms in the advertisement.
- Maximum 15 candidates are called for interview for single post.
- After interview the selection committee submits the list of selected candidates in a confidential manner, which is placed for approval of appointment to the Board of Management.
- After approval of the appointment from the Board of Management the appointment order is issued to selected candidates.

The recruitment procedure for supporting and technical staff of group 'C' category

The recruitment for all personnel of group 'C' category is through direct recruitment are on the basis of promotion based on the recommendations of the committee for appointment for the purpose. The Vice Chancellor is the appointing authority for appointment of group 'C' category personnel.

- As per the latest order of Govt. of Uttar Pradesh issued vide No. 2011/67-Kri- shi-a-1099/7/2020 dated 05-11-2020, appointment of group 'C' will be done by Uttar Pradesh **Subordinate Services Selection Commission** (UPSSSC).

The recruitment procedure for supporting and technical staff of group 'D' category

- The vacant position in this group 'D' is filled up through the regularization of Same-Work-Same-Pay employee of the university.

Promotion under Carrier Advancement Scheme (CAS)

- First of all bio-data is called from the eligible candidates under the CAS scheme.
- Screening Committee is constituted for the screening of the submitted bio-data.
- A panel of distinguished scientist/academician is submitted to Hon'ble Chancellor for his kind approval as a member of selection committee.
- After interview the selection committee submits the list of selected candidates in a confidential manner, which is placed for approval to the Board of Management.
- After approval from the Board of Management, the order is issued to concerned faculty.

No, recruitment has been made at the higher position during last 5 years.

6.6.1.4. Decentralization of power

Decentralized systems are those in which central entities play a lesser role in any or both of fiscal and administrative dimensions in the agricultural universities. The information on financial autonomy and sanctioning power to the Dean and other officers of the University shall be provided. Whether the necessary administrative powers have been delegated to the statutory officers of the University? Provide the list.

Yes, the financial autonomy and sanctioning power to the Deans and other statutory officers of the university have been already delegated by the competent authority as listed below:

SN	Name of the Statutory officers	Financial sanctioning power delegated (Rs.)
1.	Dean, College of Agriculture, Kanpur	50,000.00
2.	Dean, College of Horticulture, Kanpur	50,000.00
3.	Dean, College of Forestry, Kanpur	50,000.00
4.	Dean, College of Home Science, Kanpur	50000.00
5.	Dean, College of Agricultural Engineering & Technology, Etawah	50,000.00
6.	Dean, College Dairy Technology, Etawah	50,000.00
7.	Dean, College of Fisheries Science & Research Centre, Etawah	50,000.00
8.	Dean, College of Agriculture, Lakhimpur Kheri Campus	50,000.00
9.	Director, Agricultural Experiment Station	50,000.00
10.	Director, Extension	50,000.00
11.	Project In-charge, AICRP/Principal Investigator Research Project	10,000.00
12.	Head of KVKs	20,000.00

6.6.1.5. Supporting Units

(Whether the University has established Maintenance cell, SC/ST Cell and Health facility and what is the present mode of functioning of these units to support the student, staff and University infrastructure?)

Maintenance Cell

The University has a well-established Maintenance Cell looking after the maintenance work of the academic building, classrooms and laboratories, hostels, residential complexes and all other offices/infrastructure. The major objectives of the maintenance cell is to keep the resources in good working condition and to minimize the total production or operating cost.

The composition of Maintenance Cell

1.	Dr. V.K. Yadav, Professor	-	Chairman
2.	Er. Arif Inam, Asstt. Engg. (Civil)	-	Member
3.	Er. R.K. Kaushik, Jr. Engg. (Civil)	-	Member
4.	Mr. Manoj Kumar Mishra, Electric Supervisor	-	Member
5.	Mr. Siya Ram, Plumber	-	Member
6.	Mr. Ram Sewak, Carpenter	-	Member

SC/ST Cell

As per Article 335, the claims of the members of the Scheduled Castes and the Scheduled Tribes shall be taken into consideration, consistently with the maintenance of efficiency of administration, in the making of appointments to services and posts in connection with the affairs of the Union or State.

To ensure the effective implementation of the reservation policy in admission, recruitment, allotment of staff quarters, hostels and prevent the atrocities against the member of the SC/ST community etc., SC/ST Cell has been established in the University as per the guidelines of UGC Point No. 4(1) & 8 with the following objectives:

Objectives

i. To implement the reservation policy for SCs/STs in the Universities and Colleges.

ii. To collect data regarding the implementation of the policies in respect of admissions, appointments to teaching and non-teaching positions in the universities, and in the affiliating colleges and analyse the data showing the trends and changes towards fulfilling the required quota.

iii. To take such follow up measures for achieving the objectives and targets laid down for the purpose by the Government of India and the UGC.

iv. To implement, monitor and evaluate continuously the reservation policy in universities and colleges and plan measures for ensuring effective implementation of the policy and programme of the Government of India.

The composition of SC/ST Cell

1.	Dr. A.L. Jatav, Professor	-	Chairman (SC)
2.	Dr. Ram Pyare, Professor	-	Member (SC)
3.	Dr. Keshav Arya, Associate Professor	-	Member (SC)
4.	Dr. Seema Sonkar, Asstt. Professor	-	Member (SC)
5.	Sri Rajendra Kumar Meena, Sr. Assistant	-	Member (ST)

Health facility

The University has created health facility right from the very beginning. Human Health Centre is working under the supervision of Dr. R.P. Singh, Dean Students' Welfare. A medical doctor is engaged to look after the daily ailments of the students as well as staff with a provision of providing medicines. In severe cases, upon the advice of the medical doctor, the students are referred to the well-equipped hospitals of the city under the supervision of wardens. Health Centre is well equipped with paramedical staffs, ambulance facility to extend the first medical aid to the students as well as the staff of the university.

Details of the facilities available in the Dispensary

- Free medicine and First Aid facility for students, staff and faculty.
- Time to time health checkup of students, staff and faculty.
- Organized camps like blood donation, eye test, sugar test, BP checkup and health awareness programme.
- Ambulance facility (24 x 7) available.
- For the welfare of students the University has arranged medi claim policy compulsory for all students under the group insurance scheme at an annual premium of Rs. 300/- with cash less/ reimbursement of Rs. 50,000.00 and accidental claim of Rs. 5,00,000/-.
- During the COVID-19 pandemic COVID Help Desk was established in the Dispensary.

Staff position

S. N.	Designation	Number of Post	Name
A.	**Technical staff**		
1.	Medical officer	01	Dr. S. K. Singh (contact basis)
2.	Pharmacist	01	Vacant
3.	Lab technician	01	Sri Dinesh Prakash pandey
4.	Compounder	01	Sri krishn Kumar Pandey
B.	**Non-technical Staff**		
1.	Junior Assistant	01	Sri Vishnu Datt Dixit
2.	Ambulance driver	02	Sri Sant Ram and Sri Vinod Singh
3.	Dresher	01	Sri Ram Achhevar Mishra
4.	Swachhakar	01	Sri Harish Chandra

Besides these, University has also established following Cells to speed up the delivery mechanisms and solve the grievances of students and staff of the University and provide essential services like health and infrastructure maintenance.

S. N.	Name of Cell	Chairman of the Cell	Members
1.	SC/ST & OBC Cell	Dr. A. L. Jatav, Professor	Dr. S.K. Biswas, Professor
			Dr. R.K. Yadav, Professor

			Dr. Naushad Khan, Professor
			Dr. Seema Sonkar, Asstt. Professor
			Sri Manendra Singh, Estate Officer
			Sri Komal Chand, Sr. Assistant
			Sri Jaiveer Yadav, Steno
2.	University UGC Employees Grievances Cell	Dean, College of Agriculture	Dr. P.K. Singh, Professor
			Dr. P.K. Upadhyay, Professor
			Dr. Ram Pyare, Professor
			Dr. Servendra Kumar Gupta
3.	University Non UGC Employees Grievance Cell	Dr. Arvind Kumar Srivastava	Sri Manendra Singh
			Dr. Ajai Kumar Singh, Asstt. Professor
			Dr. Anil Kumar Singh, SMS
4.	Sexual Harassment Cell	Dr. Neelima Kunwar, Associate Professor	Dr. Mithlesh Verma, Associate Professor
			Dr. Asha Yadav, SMS
			Dr. Nalini Tiwari, Linseed Breeder
			Dr. Seema Sonkar, Asstt. Professor
			Dr. Shweta, Asstt. Professor
5.	Anti-Ragging Cell	Dean Student Welfare	Dr. P.K. Upadhyay, Professor
			Dr. P.K. Rathi, Associate Director Ext.
			Dr. Birendra Kumar, Asstt. Professor,
			Dr. Y.K. Singh, Asstt. Professor
6.	Incubation Centre for Start-up (Agri-Business and Entrepren-eurship)	Dr. S.K. Gupta, Professor	Dr. S.K. Biswas, Professor
			Dr. M.P.S. Yadav, Associate Professor
			Dr. S.K. Sachan, Associate Professor
			Dr. Jitendra Singh, SMS
			Dr. Anand Srivastava, Asstt. Professor
			Dr. Rashmi Singh, Asstt. Professor
			Dr. Jitendra Singh, Associate Professor, Ext.
7.	Legal Cell	Dr. Dharm Raj Singh Dean, College of Agriculture	Dr. Karam Husain, Director Administration & Monitoring
			Sri Ajit Arya, Computer Visualizer

6.6.1.6. Technology Support

Information on Classroom technology (e.g., technology in rooms, computer labs), online learning tools, internet/Wi-Fi connectivity, student systems (e.g., online enrolment), business applications, computer help (e.g., setup for email, firewalls) and password resets being implemented at the University level. A brief note shall be provide.

The University has created conducive physical ambience and information and communication technology (ICT) infrastructure to facilitate high quality teaching and

research. The University has huge LAN based network, Wi-Fi connectivity link to connect the whole campus. Majority of the classrooms are equipped with audio-visual systems with LCD projectors in addition to conventional methods of teaching. The newly constructed academic building of the colleges and departments are equipped with smart classrooms to facilitate teachers and students to access the internet for a blended teaching-learning process. Online Archive of CSAUA&T publications (Reports, Thesis, Conference proceedings, audio and video recording), College Library/Virtual Collection (subject specific online access)· Knowledge Gateway (In-house, Subscribed and Open Access Resources), CSAUA&T e-mail System Access and computing facility has also been developed in the colleges, library and administrative building to impart qualitative teaching, learning and extension education activities of the University.

6.6.1.7. Institutional Data Base and Website Update

Whether the institutional extensive database of general and specific programs in partnering with peer universities, research institutions and government agencies are available in order to facilitate a wide variety of intellectual interactions and exchanges? Mention periodicity of Website updating.

Database about the major institutional activity is available on the university website: csauk.ac.in. Work on institutional extensive database of general and specific programmes in partnership with peer universities, research institutions and government agencies in order to facilitate a wide variety of intellectual interactions and exchanges has been started and is being strengthened from time to time. Available data base on the university website is accessible to all concerned. Website is updated regularly at weekly inter. Sometimes, it is updated on daily basis.

6.6.1.8. Interdepartmental Linkages

Provide information on whether the University is currently adopting decentralized, participatory, adaptive and multifarious demand-supply side extension research-academics approach; involving public, private and third sector (civil society) in research and extension programmes and strengthening capacity of framers, researchers and extension workers. Provide a note on interdepartmental linkages the University is currently having in practice. Is the University cultivating the collaborative culture within subject and across subjects?

Chandra Shekhar Azad University of Agriculture & Technology, Kanpur is undertaking teaching-research-extension programmes since inception. These programmes involve decentralized, participatory, adaptive and multifarious demand-supply approach. Teaching of UG/PG students essentially involves practical aspects in research and extension. Students are exposed to lab and field experiments as well as to the extension related activities like FLDs, Kisan days, Farmer-Scientist interactions, training programmes with stakeholders etc. Student READY (RAWE programme) is organized every year for the UG students in the identified areas/location every year.

Experiential Learning Programmes on Production Technology for Bio-fertilizer, Seed Production Processing and Technology, Mushroom Cultivation Technology, Commercial

Beekeeping, Commercial Horticulture, Agriculture Waste Management, Micro Propagation and Poultry Production Technology have been initiated to develop entrepreneurial skills among the students at an early stage.

Linkages also exist with public, private and third section (civil society) institutions for research and extension programmes. The University has signed MOUs with the ICAR Institutes IARI, IIMR, Hyderabad, IIVR, Varanasi, IIPR, Kanpur, ATARI, Kanpur and UPCAR Lucknow, UPCSR Shahjahapur for capacity building and skill up-gradation of faculty, PG & Ph.D. students for next generation research and transfer of vegetable production, technology, harvest plus technology to the growers and industry personnel. For development of vibrant linkage and cultivating the collaborating culture, International MoU with Kasetsart University, Bangkok (Thailand), IRRI Philippines, ICARDA Syria and One MoU with Sun Agro Biotech Research Chennai (Tamil Nadu) have been signed.

Department of Agricultural, Education & Research, Government of Uttar Pradesh has sanctioned two Centres for Excellence for Wheat & Vegetable with the mandate for development of human resource, R & D programmes, transfer of technology and development of the linkages with National/International/ Private organizations for sharing of knowledge, promoting innovations and speeding up transfer of technology to end users.

Inter-disciplinary approach of academics-research-extension CSAUA&T, Kanpur is under way for attaining the highest standards in teaching and research through development of multi-disciplinary and multi-institutional programmes for PG teaching and research. We are taking services of core faculty having expertise in different areas of agriculture and allied sectors. The University is adopting decentralized, participatory and multifarious demand-supply extension approach involving public, private and civil society in extension programme and strengthening capacity of farmers and extension workers. At policy level, state govt. officials, eminent scientists, progressive farmers, social workers, and University officers are involved. At implementation level, scientist, extension officials, NGOs and farmers are involved. In participatory technology development, all stakeholders are involved. In capacity development programme, practicing farmers, rural youth, women and extension officials including NGOs are major stakeholders. In the extension education council of the university, the inter-departmental linkages are there in decision making including guidelines on policy implementations and recommendations. At district level, interdepartmental linkages are there with state government line departments in technology updation, adaptation and acceleration involving farmers, private sectors and NGOs. At the end, it can be concluded that the university is harvesting and cultivating collaborative culture.

6.6.1.9. Monitoring Mechanism

Whether the University is following comprehensive curriculum monitoring mechanism including teachers' self reflection, surveys on teaching effectiveness, lesson observation, assignment inspection, examination papers review, appraisal system, and curriculum evaluation.

Yes, our University is adopting comprehensive curriculum monitoring mechanism which includes teachers' self-reflection, surveys on teaching effectiveness, lesson observation, assignment inspection, examination papers review, appraisal system, and

curriculum evaluation. Comprehensive curriculum monitoring is usually done through the meetings of the Board of Faculty and Academic Council. Surveys on teaching effectiveness, lesson observation, and assignment inspections are being done periodically by the concerned Deans and Head of the Departments whereas examination papers review, appraisal system, and curriculum evaluation are also done by Registrar, Director Administration and Monitoring and Deans, respectively. Annual appraisal system is a regular feature being adopted in our university with a purpose to evaluate employee's skill, achievements and over all contribution to the organization. Annual performance appraisal is seen as an opportunity to provide feedback on areas for improvement and address behavioral problems, if any.

6.6.1.10. Institute Quality Assurance Cell/ PME Cell

Please mention establishment and the active functioning of both the cells and kind of outcome based assignment presently being carried out through these cells.

IQAC Cell

The IQAC is the nodal agency entrusted with the responsibility of ensuring total quality management by ushering in innovations leading to achieving excellence and adoption of intervention strategies for monitoring their successful implementation. Committed to sustain its ranking, Chandra Shekhar Azad University of Agriculture & Technology, Kanpur has established the Internal Quality Assurance Cell (IQAC) to institutionalize the process of quality enhancement and sustenance in all the key areas of its delivery. However, the major objectives of IQAC are narrated below:

Objectives

1. To become a hub for disseminating agro technologies and educational innovations and excellence in the field of agriculture and allied sectors.
2. To set quality benchmarks and evolve mechanisms for monitoring and ensuring performance in accordance with them.
3. To take steps for the periodic internal academic audit of the teaching-learning and research activities of all departments and faculties.
4. To ensure in-service continuing education and training of all the faculties and administrative staff for enriching their skill, intellectual capital and professional competence.
5. To collaborate with other academic institutions and agencies locally and globally for improvement of quality and brand image of the university.

Guiding Features of Quality Assurance

Quality assurance includes all policies, measures, planned processes and actions through which the quality of higher education is maintained and developed. The guiding features of quality assurance are as follows:

- Efficient management, planning and resource processes to achieve excellence and to ensure continuous improvement.
- Judging the outcomes and processes against the highest external standards and benchmarks.

Mechanism of Quality Assurance

1. **Internal quality assurance mechanism:** Based on the prescribed guidelines, the university would develop its own internal quality assurance mechanism which shall be coherent with quality assurance framework set forth in this policy and approved by IQAC, to evaluate the quality of teaching programmes, teaching and learning experience, student assessment, internal moderation, support services, sources and facilities and research and programme review processes.
2. **External quality assurance mechanism:** In order to ensure that high quality standard is maintained in the university, periodic assessment shall be made by ICAR-NAEAB, New Delhi or any other agency suggested by the State Government from time to time.

Some of the functions expected of the IQAC are

a. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;

b. Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;

c. Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

IQAC Team Members

1.	**Vice-Chancellor**	**Chairman**
2.	Registrar, Kanpur	Member
3.	Comptroller, Kanpur	Member
4.	Dean, College of Agriculture, Kanpur	Member
5.	Dean Student Welfare, Kanpur	Member
6.	Dean, Home Science, Kanpur	Member
7.	Dean, College of Horticulture, Kanpur	Member
8.	Dean, College of Forestry, Kanpur	Member
9.	Dean, College of Agril. Engg. & Tech., Etawah	Member
10.	Dean, College of Dairy Science, Etawah	Member
11.	Dean, College of Fisheries Science & Research Centre, Etawah	Member
12.	Dean, College of Agriculture, Lakhimpur Kheri	Member
13.	Director, Agricultural Experiment Station, Kanpur	Member
14.	Director, Extension, Kanpur	Member
15.	Director Administration and Monitoring, Kanpur	Member
16.	Director, Seed & Farms, Kanpur	Member
17.	In-Charge, Central Library, Kanpur	Member
18.	HoD, Soil Conservation and Water Management	Member
19.	Nodal Officer (ICAR)	Member
20.	Dr. P.K. Singh, Prof. Genetics & Plant Breeding	Convener

Proceeding of 1st IQAC meeting

- Dean, Agriculture, Kanpur focused on the existence of smart classroom and teaching and learning tools for ensuring quality education.
- Director, Extension emphasized the need and constitution of local management committee to improve the quality of extension education and make vocal the local.

- Deans' Students Welfare desired to improve the existing sports facilities in the university for all-round development of student personality and fitness.
- Dean, Home Science informed the house that four guest faculties have been appointed to improve the quality of education in home science.
- Almost all the members expressed their concern about the internet connectivity in the University.
- Member Secretary, IQAC emphasized the need for regular and formative assessment replacing the summative assessment. This new assessment system is more competencies based and will enhance the students' development and learning skill. The main aim is to increase the analytical, critical and conceptual thinking of the students.

PME Cell

Project management and evaluation cell is mandatory to facilitate the information management and improved decision making with long term objective to check duplication in research projects. PME Cell was established on 09.06.2017 with the following objectives:

- To screen the research project proposals before submission to the funding agency.
- To coordinate and monitor the ongoing research projects and evaluation of the completed projects.
- To sensitize the scientists/teachers through training programmes.
- To maintain a database of ongoing and completed research projects.

The PME Cell is also responsible for the evaluation of contractual/consultancy projects; maintain records of the research project proposals (RPPs), research achievements, research council meetings, etc.; submission of articles for publication and presentation in conferences/symposia; forwarding of applications for trainings, awards etc.; and publication of annual report, books / bulletins etc.

Composition of PME Cell

Name of Cell	Chairman of the Cell	Members
Project Management Evaluation (PME) Cell	**Dr. H.G. Prakash** Director, Agricultural Experiment Station	Dr. Dhananjai Singh, Professor
		Dr. Sanjeev Kr. Singh, Asstt. Professor
		Dr. Shweta, Assistant Professor
		Dr. P.K. Singh, Professor, Rice Breeder/ Member Secretary

Dr. H.G. Prakash, Director, Agricultural Experiment Station (AES) is the chairman of this cell and Member Secretary Dr. P.K. Singh is the In-Charge of the Cell.

- The PME Cell will examine the research proposals (Inhouse and externally-funded), contractual / consultancy projects

- Maintain the records of the research project proposals (RPPs), research achievements, research council meetings, etc.
- Examining the submission of articles for publication and presentation in conferences / symposia
- Forwarding of applications for trainings, awards etc.; and
- Publication of report, books / bulletins etc.

To carry out above listed work more efficiently, a separate room will be identified in the new building and equipped with necessary staff and furniture & fixtures in due course. In its meeting held on 19.09.2020 following initiatives have been taken:

- Prepare a proforma for in house projects and publications based on the ICAR guidelines for submission in PME Cell.
- All research work conducted in the University will be required to be submitted in the prescribed proforma to the PME Cell for documentation and formal approval.
- All the information pertaining to research projects currently running or to be submitted are to be routed through PME Cell.
- Principal Investigators have been asked to register at httpp//: education.icar.gov.in.aupims and upload the details of their running or completed project proposals
- Principal Investigators (PIs) of all the projects (external-funded) are to submit details of their project along with fund for the record at PME cell.
- Important technical information of AICRPs should also be submitted for records in the PME Cell.

6.6.1.11. Collaboration with Academic Institutions and Industry

What type and how much collaboration are currently in place with academic institutions and industry? Does the University has some more proposal for the future collaboration? Give details with road map.

As of today the university has successfully signed collaborative agreements with 25 different academic institutions within and outside of the country and 2 to 3 collaborations are in the offing. The area of mutual agreement mainly ranges from seed production to research work on the issues like salinity tolerance, plant health management and value addition.

S. No.	Date	Name of the Institutions with whom MoU signed	Area of Collaboration
Current MoUs			
1.	13.07.2015	Interational Rice Research Institute (IRRI),Phillippines	Improve R& D on Rice Research
2.	15.06.2016	ICAR-IIPR , Kanpur	Quality Seed Production
3.	05.08.2016	National Institute of Plant Health Management , Hyderabad	R&D on Plant Health Management

4.	27.03.2017	U.P Council Of Agricultural Research, Lucknow	For promotion of R&D
5.	15.07.2017	National Sugar Institute, Kanpur	For Collaborative research work
6.	15.07.2017	Uttar Pradesh Council Of Sugarcane Research, Shahjahanpur U.P	For Collaborative research work
7.	13.04.2018	ICAR-IIFR Modipuram, Meerut	For strengthening of R& D
8.	20.04.2018	Sun Agro Biotech Research Centre Chennai	For Collaborative research work
9.	01.09.2018	Tasty Dairy Specialties Ltd. Kanpur	For outreach activities in animal husbandry
10.	25.04.2019	Kasetsart University, Bangkok, Thailand	For capacity building of PG students and faculty
11.	27.06.2019	NIFTEM, Sonipat	For capacity building of PG students and faculty
12.	29.08.2019	ICAR -IIMR, Hyderabad	For strengthening the R&D and capacity building of PG students and faculty
13.	14.10.2019	ICAR - IIVR, Varanasi	For strengthening the R&D and capacity building of PG students and faculty
14.	02.12.2019	Solidaridad Regional Expertise Centre, New Delhi	For outreach activities & collaborative research
15.	24.12.2019	ICAR-IARI, New Delhi	For strengthening the R&D and capacity building of PG students and faculty
16.	10.01.2020	ICAR -IISS, Mau	For strengthening the R&D and capacity building of PG students and faculty
17.	15.01.2020	ICAR-NIPB, New Delhi	For strengthening the R&D and capacity building of PG students and faculty
18.	03.02.2020	University of Agricultural Science, GKVK, Bengaluru	For collaborative Research and capacity building of PG students and faculty
19.	31.03.2020	Indian Meteorological Department , New Delhi	R&D on agrometrology

Road map for future collaboration

To strengthen the future collaborations with institutions prospective areas is given below:

- Quality seeds and planting materials (Seed companies, Nursery growers and Plant Tissue Culture industries)·
- Herbal pharmaceuticals (Ayurvedic companies and Entrepreneurs involved in Alternative medicine)
- Functional Foods, Nutraceuticals and value-added products (Food companies, Agri-processors)
- Agri-inputs, Nano-materials and nano-particles (Innovative companies)
- Organic produce (Enterprising ventures for fulfilling the demands of green agriculture)

- Protected cultivation of vegetables
- Agri-Clinics

Stakeholder/Industry participation plan

- Addressing industry expectations in developing curricula and its implementation
- Internship attachments of students to the industries for training
- Arranging interactive meeting and lectures of industry experts for students
- Consultation meetings between faculty and industry experts
- Funding support from industry for scholarship and research

6.6.2. Academic Support

6.6.2.1. Academic Council

Provide the composition and date of Academic Council Meetings held in last five years along with ATRs.

The academic component of the University is monitored and governed by the Academic Council, which is the supreme body administering the academic life of the University. The Academic Council has the duty to direct, control and supervise the academic affairs of the University and is responsible for the maintenance of standards of instruction, education and examination and the requirements for obtaining degrees. It also exercises such other powers and performs such other duties as may be prescribed. The UP Agricultural University (UP Act XLV of 1958) ordinance provides the Academic Council responsible for general control of Teaching & Education programmes within the University subject to the provisions of the Act & Statutes. **The Academic Council** shall consist of:

1.	**Vice Chancellor**	**Chairman**
2.	Dean Agriculture, Home Science, Agricultural Engineering, Forestry, Horticulture, Dairy Technology, Fisheries Sciences	Member
3.	Director, Agricultural Experiment Station	Member
4.	Director Extension	Member
5.	Dean Students' Welfare	Member
6.	Heads of the Departments	Member
7.	All Professors of all Colleges and one person elected by the Board of each faculty of the University out of the members of the concerned faculty, and	Member
8.	Registrar	Ex-Officio Secretary

Powers, Duties and Constitution of Academic Council

Chapter IV [Section 16 (2) and 28 (a)] of Statute deals with the Academic Council. The Academic Council shall determine:

1. Requirements for admission to the several Colleges and other teaching divisions.

2. Questions of education policy,
3. Relations between Colleges and other teaching divisions,
4. Changes in the amount, character or quality of work required for admission to the colleges and other teaching divisions,
5. The degree and diploma which shall be awarded and the conditions for their award,
6. The Academic Council shall elect a Committee on Student Discipline, which may appoint one or more Disciplinary Boards on which unless the Academic Council determines otherwise, there shall be student representatives,
7. The Academic Council shall recommend candidates for diplomas, degrees and certificates to be conferred by the Vice chancellor,
8. The Academic Council shall recommend the establishment, amalgamation, division or abolition of faculties or departments,
9. All new lines of work involving general education policy shall be established upon the approval of the Academic Council except as otherwise provided in the Statutes,

The academic Council shall elect annually by ballot from its members a committee on students' discipline and such other standing committees as it may from time to time authorize.

Academic Council Meetings organized during 2015-16 to 2019-20

SN	Meeting	Date	Members participated	Action taken (ATR)
1.	139th Meeting (Special)	28.07.2015	47	Special meeting of Academic Council (139th) was held in Vice Chancellor's Committee Room and the decision on listed 05 Agendas (139:1 to 139:5) were taken and approved by the Academic Council. The minutes are appended*.
2.	140th Meeting	28.11.2015	44	Meeting of Academic Council (140th) was held in Vice Chancellor's Committee Room and the decision on listed 21 Agendas (140:1 to 140:21) were taken and approved by the Academic Council. With the permission of Chairman of Academic Council the decision on two non-listed Agenda were also taken. The minutes are appended*.
3.	141th Meeting (Special)	01.01.2016	38	Special meeting of Academic Council (141th) was held in Vice Chancellor's Committee Room and the decision on listed 02 Agendas* (141:1 to 141:2) were taken and approved by the Academic Council. The minutes are appended.
4.	142th Meeting (Special)	05.07.2016	39	Special meeting of Academic Council (142th) was held in Vice Chancellor's Committee Room and the decision on listed 04 Agendas (142:1 to 142:4) were taken and approved by the Academic Council. With the permission of Chairman of Academic Council the decision on 03 non-listed Agendas were also taken. The minutes are appended*.
5.	143th Meeting	20.07.2016	42	Emergent meeting of Academic Council (143th) was held in Vice Chancellor's Committee Room and the

	(Emergent)			decision on listed 02 Agendas (143:1 to 143:2) were taken and approved by the Academic Council. With the permission of Chairman of Academic Council the decision on 01 non-listed Agenda was also taken. The minutes are appended*.
6.	145th Meeting	06.01.2017	44	Meeting of Academic Council (145th) was held in Vice Chancellor's Committee Room and the decision on listed 15 Agendas* (145:1 to 145:15) were taken and approved by the Academic Council. The minutes are appended*.
7.	146th Meeting (Special)	31.01.2017	46	Special meeting of Academic Council (146th) was held in Vice Chancellor's Committee Room and the decision on listed 05 Agendas (146:1 to 146:5) were taken and approved by the Academic Council. The minutes are appended*.
8.	147th Meeting (Special)	18.05.2017	39	Special meeting of Academic Council (147th) was held in Vice Chancellor's Committee Room and the decision on listed 03 Agendas (147:1 to 147:3) were taken and approved by the Academic Council. The minutes are appended*.
9.	148th Meeting (Special)	28.08.2017	38	Special meeting of Academic Council (148th) was held in Vice Chancellor's Committee Room and the decision on listed 13 Agendas (148:1 to 148:13) were taken and approved by the Academic Council. The decision on 02 supplementary Agendas were also taken and approved. The minutes are appended*.
10.	149th Meeting (Special)	20.11.2017	37	Special meeting of Academic Council (149th) was held in Vice Chancellor's Committee Room and the decision on listed 19 Agendas (149:1 to 149:19) were taken and approved by the Academic Council. The minutes are appended*.
11.	150th Meeting (Special)	11.12.2017	33	Special meeting of Academic Council (150th) was held in Vice Chancellor's Committee Room and the decision on listed 03 Agendas (150:1 to 150:03) were taken and approved by the Academic Council. The decision on 01 non-listed Agenda was also approved with the permission of Chairman. The minutes are appended*.
12.	151th Meeting (Emergent)	11.01.2018	32	Emergent meeting of Academic Council (151th) was held in Vice Chancellor's Committee Room and the decision on listed 08 Agendas (151:1 to 151:8) were taken and approved by the Academic Council. The decision on 01 non-listed Agenda was also approved with the permission of Chairman. The minutes are appended*.
13.	152th Meeting (Special)	08.05.2018	35	Special meeting of Academic Council (152th) was held in Vice Chancellor's Committee Room and the decision on listed 12 Agendas (152:1 to 152:12) were taken and approved by the Academic Council. The minutes are appended*.
14.	153th Meeting	19.07.2018	32	Meeting of Academic Council (153th) was held in Vice Chancellor's Committee Room and the decision on listed 09 Agendas* (153:1 to 153:9) were taken and approved by the Academic Council. The minutes are appended*.

15.	154th Meeting (Emergent)	31.08.2018	32	Emergent meeting of Academic Council (154th) was held in Vice Chancellor's Committee Room and the decision on listed 04 Agendas (154:1 to 154:4) were taken and approved by the Academic Council. The minutes are appended*.
16.	155th Meeting (Emergent)	18.09.2018	31	Emergent meeting of Academic Council (155th) was held in Vice Chancellor's Committee Room and the decision on listed 15 Agendas (155:1 to 155:15) were taken and approved by the Academic Council. The decision on 01 non-listed Agenda (155:16) was also approved with the permission of the Chairman. The minutes are appended*.
17.	156th Meeting (Emergent)	16.11.2018	22	Emergent meeting of Academic Council (156th) was held in Vice Chancellor's Committee Room and the decision on listed 02 Agendas (156:1 to 156:2) were taken and approved by the Academic Council. The minutes are appended*.
18.	157th Meeting (Emergent)	21.12.2018	25	Emergent meeting of Academic Council (157th) was held in Vice Chancellor's Committee Room and the decision on listed 03 Agendas (157:1 to 157:3) were taken and approved by the Academic Council. The decision on 01 non-listed Agenda (157:4) was also approved with the permission of the Chairman. The minutes are appended*.
19.	158th Meeting	04.05.2019	34	Meeting of Academic Council (158th) was held in Vice Chancellor's Committee Room and the decision on listed 08 Agendas* (158:1 to 158:8) were taken and approved by the Academic Council. The decision on 07 non-listed Agenda (158:9 to 158:15) were also approved with the permission of the Chairman. The minutes are appended*.
20.	159th Meeting (Special)	17.05.2019	35	Special meeting of Academic Council (159th) was held in Vice Chancellor's Committee Room and the decision on listed 02 Agendas (159:1 to 159:2) were taken and approved by the Academic Council. The decision on 01 non-listed Agenda was also approved with the permission of the Chairman. The minutes are appended*.
21.	160th Meeting (Emergent)	30.05.2019	24	Emergent meeting of Academic Council (160th) was held in Vice Chancellor's Committee Room and the decision on listed 01 Agenda (160:1) were taken and approved by the Academic Council. The minutes are appended*.
22.	161th Meeting (Emergent)	03.07.2019	21	Emergent meeting of Academic Council (161th) was held in Vice Chancellor's Committee Room and the decision on listed 04 Agenda (161:1 to 161:4) were taken and approved by the Academic Council. The decision on 01 non-listed Agenda (161:5) was also approved with the permission of the Chairman. The minutes are appended*.
23.	162th Meeting	26.08.2019	25	Meeting of Academic Council (162th) was held in Vice Chancellor's Committee Room and the decision on listed 05 Agendas* (162:1 to 162:5) were taken and approved by the Academic Council. The minutes are appended*.
24.	163th Meeting	17.09.2019	26	Emergent meeting of Academic Council (163th) was held in Vice Chancellor's Committee Room and the

	(Emergent)			decision on listed 19 Agenda (163:1 to 163:19) were taken and approved by the Academic Council. The decision on 02 non-listed Agenda (163:20-163:21) were also approved with the permission of the Chairman. The minutes are appended*.
25.	164th Meeting	14.01.2020	31	Meeting of Academic Council (164th) was held in Vice Chancellor's Committee Room and the decision on listed 04 Agendas* (164:1 to 164:4) were taken and approved by the Academic Council. The minutes are appended*.
26.	165th Meeting	09.06.2020	39	Meeting of Academic Council (165th) was held in Kailash Bhawan and the decision on listed 15 Agendas* (165:1 to 165:15) were taken and approved by the Academic Council. The decision on non-listed 07 Agenda (165:I to 165:VII) were also approved with the permission of the Chairman. The minutes are appended*.
27.	166th Meeting	27.07.2020	32	Meeting of Academic Council (166th) was held in Vice Chancellor's Committee Room and the decision on listed 27 Agendas* (166:1 to 166:27) were taken and approved by the Academic Council. The decision on non-listed 02 Agendas were also approved with the permission of the Chairman. The minutes are appended*.

*Minutes of the Academic Council Meeting.

6.6.2.2. Innovation and Best Practices

An innovative practice could be a pathway created to further the interest of the student and the institution, for internal quality assurance, inclusive practices and stakeholder relationships. What are the innovative efforts of an institution that help in its academic excellence?

Youth are the most important and dynamic segment of the population in any country. It is believed that developing countries with large youth population could see tremendous growth, provided they invest in young people's education, health and protect and guarantee their rights. We can undoubtedly say that today's young are tomorrow's innovators, creators, builders and leaders. Nation building can be possible only through youth development, for which inculcating the spirit in youth and in the right direction is very essential. Creating and adopting innovative techniques and practices need flow of positivity in directional manner so that it inculcates and nurtures the creativity and innovations among all stakeholders of University. We have to highlight the achievements and propose new teaching, research and extension concepts to develop and promote innovative and need-based scientific technologies to meet the demand of continuously changing social and economic needs together with an explicit analysis of our weaknesses and strengths. It is expected that approaches and advance concepts will prove useful for educationist, scientist and extension educationist to address the future challenges for growth and development of agriculture and related sectors in southern-western semi arid and central plain zone of Uttar Pradesh. The tripartite interaction of teaching, research and extension need innovative practices for effective learning, good governance through innovative administrative measures.

Teaching Initiatives

1. Encouraging innovative teaching methodologies with emphasis on practical education in a problem-solving mode.
2. Establishing effective communication so that all students have access to progressive educational delivery systems.
3. Develop and promote globally competitive human resource through extensive education exchange programs.
4. Initiating field training modules.
5. Strengthening extra-curricular skills of students for their effective personality development.

Educational Innovation

Teaching methodology, curriculum development, evaluation, use of information and communication technologies are the primary educational innovations. Academic excellence requires good teachers. An academic institution needs to have excellence in teaching and learning. The University upgrade instructional skills of teachers, development of professionals and other stakeholder through ensuring their participation in national and international training programmes, conferences, workshops etc. It will help the nation's economy by producing quality teachers, undergraduate and post graduate students.

Teaching-Learning Process

Teaching and learning is a process that includes four basic elements i.e. assessment, planning, implementation and evaluation. Our goal is to empower all our students in all grades and courses in their learning and assess them in a meaningful and effective way. The teaching-learning process has to evolve at par with global best practices.

Innovative Trends in Education

In our dynamic education system, the technologies of tomorrow are already being used in our classrooms today. We prepare our students for the future ready trends and innovation of technology by providing information of Audio-Visual Aids, Computer-assisted programs, Language Laboratory. Psychological tests labs and Science Laboratory practices.

A teacher is a compass that activates the magnets of curiosity, knowledge and wisdom in the pupils. We aspire to be a leading institute in the country offering quality education to enlighten, emancipate and empower the student, teacher fraternity and foster lifelong learning. A great teacher should have incredible knowledge and enthusiasm for the subject matter. We impart remarkable education through afferent innovative techniques in classroom with the help of Lectures, Demonstrations, PPT (power point presentations) and well-equipped workshops to provide our students a wide vision and comprehension.

Professional Efficiency

It is the most important skill of doing accurate things according to diverse situations. We endow our students with the best exposure by authentic internship and teaching practice to build up these valuable qualities.

University bestows students with diverse opportunity of growing expertise, classroom presentation extempore, mock conversation, group discussion and play and debate.

Teaching Methodology

An integrated teaching programme conversing both the theoretical and practical aspects is affected by the following:

- Lectures-cum-Demonstrations
- Explanations & Narration
- Workshop/seminars
- Role-plays - Teaching
- Group discussion - Project method
- Collaborative & cooperative method
- Assignment & Homework
- PowerPoint Presentation
- Field Trips
- Online course & e-notes

Infrastructural and learning resources

There is a well-stocked library with latest books, journals, thesis & reference books, encyclopaedias, E-library, reference manual, current affairs magazines and news papers. Science lab, ICT lab with latest techniques and instruments is being established. The music room is equipped with Indian and Western musical instruments like Dholak, Tabla, harmonium, Tanpura, Bongo, Flute, Guiter, and Piano etc.

Collaborative Upbringing

The University has built a range of partnerships in research, education and training– including with industry and business, professional associations, not-for-profit organizations, government-funded research agencies, other educational institutions at national and international level.

Creation of Innovative Student's Centric platforms

- To establish a novel and recreational platform for student's centric activities by active involvement and belongingness of faculty members and even non-teaching staff.
- To provide a platform for understanding the values of self-consciousness, self-enlightement and self-realization.
- To inculcate the waves of innovation to become globally competitive through development of sustainable technologies for Agri-life.
- To imbibe-invigorate-inspire-inculcate the waves of turning ideas into innovations that lead to the development of powerful technologies for enhancing the economy and societal up-liftment of the nation.
- To scout for creative indigenous ideas/ innovations/ traditional knowledge for development of products and processes.

- To nurture the ideas of students to become innovative and creative and bring them into logical mode for converting knowledge into wealth for the benefits of society, and
- To enhance the capacity of all stakeholders to pen down their ideas in the form of wall magazine to University level magazine and later national level magazine or journal.

Student Life

There are abundant opportunities to participate in clubs as well as activities that match students' particular interest and inclination. These clubs serve students looking for a diversion from academic life, or looking to bring about a significantly enabling impact on the community. Clubs organize a variety of events that provide distinct opportunities for refining, learning, organizational management experience, exploring interest, meeting like-minded people, socializing outside of the classroom and enhancing professional and personal skills. If students don't find what they are looking for, we encourage them to start a new student club to explore their passion. There is something or other for everyone.

Cultural Club (Art, Music, Dance, Theatre Cultural)

Cultural Club's goal is to increase awareness of performing arts in University as well as to discover the talent among students in music, art, dance, theatre etc. The club members minutely watch and learn the process of art and occasionally meet artists and painters to discuss the finer beauty of art. In music the members not only listen to the classical concerts and rock-shows but create their own bands and exhibit their own talent on various occasions. The club members learn various forms of Indian and western dances. Activities like workshops and interactive sessions are organized to promote theatre.

Eco Club

The club takes care of the ecological and environmental issues within the campus and suggests ways and means to reduce carbon emissions responsible for degradation and damage to the Earth's ecosystem. A road map to convert the campus into green campus has been prepared with the help of the eco club.

Yoga and Meditation Club

The sports club organizes various sports events and also conducts yoga sessions. An interesting place called "Zero Noise" has been constructed within the University Campus for meditation and yoga, where anyone can come and achieve peace of mind and stability of the body. Yoga and breathing exercises are also conducted.

Innovation Club

Students create projects of their choice and integrate with other members of the club to create functional and indigenous models/tools.

Student Council

The University has established a Student Council as per the academic regulations of the University. This council helps in the learning of the students about governance, belongingness and commitment to serve for a better tomorrow.

Agri-Unifest

Agri-Unifest, the annual techno-cultural festival organized at the national level by any state or central agricultural University, is the biggest youth festival of Indian agricultural universities. The motive of Agri-Unifest is to bring out the competitive domain of students from within themselves and participate in different technical and cultural events. The vision of Agri-Unifest is to celebrate technology and provide a platform to the students to experience the same and facilitate the interaction on scientific and technical aspects to ignite the passion towards effective use of science and art. It provides an environment for the students to implement their ideas and apply them on practical basis. The students from our University are invariably participating along with students of 71 agricultural universities across India. The events are designed to appeal to each and every group of students. There are many technical events during Agri-Unifest.

Sports

Sports and fitness serve as a vital and integral part of student life in campus. The mission of sports and fitness is to provide the University community with programmers that offer vigorous, fun-filled health- promoting, physical activity conducive to wellness and personal development. Sports and fitness supports the mission of the University by seeking to create a climate that motivates members to embrace a healthy lifestyle, which can enhance their academics studies, build friendships and social skills, develop leadership qualities, and cultivate a sense of ownership and belonging to the university. The University students are second to none and deserve a flat rate programme. Players of CSAUA&T have shown their presence at the national level Agri-sport games.

Outdoor Games

a. College of Agriculture, Kanpur

- Cricket ground
- Hockey ground
- Football ground
- Basketball court
- Indoor badminton hall
- Gymnasium Hall
- Open air swimming pool
- Cricket ground
- Stadium without pavilion and roof
- Indoor stadium for carrom and table tennis
- Kho-Kho court
- Athletic track
- Volley ball court

b. College of Home Science

- Badminton court
- Volley ball court
- Indoor carrom and table tennis hall

c. College of Agricultural Engineering & Technology, Etawah

- Gymnasium hall
- Football field
- Badminton court
- Cricket ground
- Indoor game centre for carrom and table tennis
- Khokho court
- Athletic track
- Volley ball court

Indoor Games

Gymnasium, Badminton Court, Carrom, Yoga Hall, Table Tennis Hall etc. and Swimming Pool.

Celebration of important National/ International days

Organization of important national/international days is being celebrated to spread general awareness, nurture the talents and inculcate innovative ideas through establishment of Innovation, Cultural, Scientific, Literary, Sports and Integrity Clubs. Under the student's centric platform, the University celebrates a number of days of national and international importance, weeks, pakhwaras like Education Day, World Environment Day, World Food Day, World Soil Day, Kisan Diwas etc. every year in which innovative activities like speeches, elocution, TV talk shows, exhibitions, projects, quizes, lectures, science model exhibitions, poster making, rangoli, debate, mime, play, singing, dancing etc. are conducted. Such activities ignite the young minds of our students, teachers and other stakeholders to make their life journey productive and fruitful. Various innovative practices like tree plantation campaign and cleaners drive among common people are encouraged. People are main target of this campaign to make them aware about the seriousness of imbalance of food production and population explosion. They get motivated towards the plantation in the nearby areas as well as stop polluting the environment and conserving the biodiversity. Teacher's Day and Foundation Day are celebrated with great fervor and enthusiasm. Though a tight academic schedule keeps the students on their toes but such programmes prepare them for the challenges of future and handling stress and strains from the beginning. Every CSAUA&Tian bursts into emotions as they prepare to embark on their professional life after completing the degree course.




Celebration Education Day


Celebration of Soil Health Day

Environmental Day

Celebration of Republic Day

International Yoga Day

2nd Oct. Gandhi Jayanti

Mahil Kisan Diwas

Student READY (Rural Entrepreneurship Awareness Development Yojna)

RAWE programme is being offered to students of B.Sc. (Agri/Horti/Forestry/ Fisheries/Dairy and Community Science) which provides them an opportunity to work with the farmers at their farms and identify various production, protection and marketing constraints.

In addition, RAWE programme develops competency in technological, managerial and communication skills among students.

National Service Scheme (NSS)

National Service Scheme was started in the university from 1976 to develop the young graduate students' personality through social and community development work. It is the largest organization in the country working on the thought of Swami Vivekananda and Mahatma Gandhi. The main principle of NSS is "Not me but you". Through this scheme, students are motivated towards the awareness about various social evils in the rural and urban community related to education, health, disaster management, environmental, voter awareness and agriculture and also enable them to solve their problem jointly at their own level. There are four NSS units working in the university comprising 450 volunteers of different colleges Viz. College of Agriculture, College of Horticulture, College of Forestry, Maharani Avantibi College of Home Science, Kanpur and Dr. B. R. Ambedkar College of Engineering and Technology, Etawah, College of Dairy Technology, Etawah, College of Fisheries Science & Research Centre, Etawah.

National Cadet Corps (NCC)

NCC is the organization to install the values of "Unity and Discipline". NCC has three wings Army, Navy and Air Force. NCC boys (Army wing) has been operational at the University.

My Social Responsibility (MSR)

The University recognizes its social and national responsibilities by including in the all stakeholders of the community *viz;* students, faculty, farmers, non-teaching staff and other social persons. Just like the CORPORATE SOCIAL RESPONSIBILITY (CSR), MY SOCIAL RESPONSIBILITY (MSR) is a mission with a m otto to serve the downtrodden people and develop sensitivity towards poorest of the poor of the society. The uniqueness of MSR is to contribute in community services through organization of blood donation camp in University campus. It also provides educational and stationary items as charity, and organizes events like NukkarNatak, Street show etc. During the period of COVID-19 pandemic, N-95 mask, sanitizer and food packets were distributed to down trodden and migrant workers by the university administration. In order to improve the socio-economic status of the poor farmers the university has adopted two villages from each adjoining districts. Taking a leaf slogan 'Saving life, changing life,


शाश्वत टाइम्स
हिन्दी दैनिक
कानपुर महानगर

चंद्रशेखर आजाद कृषि एवं औद्योगिक विश्वविद्यालय परिसर में सैनिटाइजर का छिड़काव किया गया

university has very recently identified Anooppur village in Kanpur dehat with motto and zeal to transform this as bio-fortified village. Accordingly, the varieties of crop plant, which are high in protein, zinc or iron content, are being popularized in that village along with technology backup.

Food & food packets distribution by Hon'ble Vice Chancellor during Lock down

सीएसए की कैंटीन में बने भोजन श्रमिक परिवार को बांटा गया

कानपुर। चंद्रशेखर आजाद कृषि एवं प्रौद्योगिक विश्वविद्यालय कानपुर में शनिवार को मीडिया प्रभारी खलील खान ने बताया कुलपति के निर्देश पर विश्वविद्यालय के अधिकारियों ने आटा व सब्जी विश्वविद्यालय परिसर में रह रहे कामगार परिवारों एवं प्रक्षेत्र के श्रमिकों को उपलब्ध कराई गई ।कुलपति डॉक्टर डी.आर. सिंह ने कहा कि वैसे तो विश्वविद्यालय परिसर में श्रमिक कैंटीन चल रही है जिसमें लगातार श्रमिकों एवं उनके परिवारी जनों को भोजन कराया जा रहा है ।परंतु श्रमिकों के घर पर हमेशा आटा व सब्जी बना रहे जिससे उन्हें लॉक डाउन जैसी स्थिति का एहसास ना हो। इसलिए अधिकारियों को निर्देश दिए कि प्रत्येक श्रमिक परिवारों को आटा - सब्जी दिया जाए। सहायक निदेशक बीज एवं

प्रक्षेत्र डॉ अनिल सचान ने कहा कि वैश्विक महामारी कोरोनावायरस के संभावित खतरे को लेकर सोशल डिस्टेंस बनाने के लिए 21 दिनों का देश में लॉक डाउन है। ऐसी परिस्थिति में दिहाड़ी मजदूरों एवं गरीब तबके के लोगों के सामने कोई समस्या ना आए इसलिए खाद्य सामग्री वितरित की जा रही है ।इस अवसर पर डॉ विजय यादव, डॉक्टर एच पी सिंह, डॉक्टर आरपी सिंह सहित अन्य लोग उपस्थित थे।

Placement Cell

The University has been concerned about the placement of students right from the beginning. Contacts with employers have been established. A full-fledged Placement Cell has been developed. The main objective of the Cell is to provide information regarding different coaching programmes available in the country for state level competitions, opportunities for higher education and vacancies available in India and abroad and also advise them for seeking gainful self-employment by setting up their own enterprises. Placement counselors for different colleges have been appointed to offer counseling in their respective colleges and maintain liaison with the Dean Students' Welfare.

ICT in Agriculture

Information and Communication Technology is an important component of University educational system. The University has set up Centralized Computer Lab and an Agricultural Knowledge Management Unit (AKMU) from financial support of ICAR, which is equipped with ICT facilities that is highly beneficial for good governance and providing facility to support university education system. The AKMU facility has internet access, which is in process of being extended to each and every department of the university.

Support Services

The Student Welfare Cell was established to coordinate all activities of students' welfare. The focus of the educational programmes is regional, national and international as students from 14 states of the country are enrolled.

Medical and Health Services

To provide minimum medical aid to students for treatment of common ailments, the University has a small health centre at Kanpur. The centre is mean for first aid facility to the students, faculty and other staff members. For medical consultancy, 24 hrs services are available to the students. The medical officer provides medical advice and treatments for small and temporary illnesses in boys at Kanpur and Etawah Campuses. Similarly, lady doctor provides medical advice and treatments for small and temporary illnesses in girls at College of Home Science and Agriculture, Kanpur. The students are given medicines free of cost and in case of emergency or in long-term illness and serious cases, the students are admitted in the Government hospital, for which the medical officer acts as a liaison man. If a student is admitted; the Insurance Company bears the whole expenditure. An ambulance is also available at Kanpur and Etawah to provide services in emergent cases round the day.

Group Insurance Schemes

Students admitted shall have to subscribe for Group Health Insurance scheme on a compulsory basis. Bonafide students of all colleges are covered under this tailor made group accidental insurance policy under the agreements of terms and conditions. One time premium to the tune is charged by the Insurance Company for one complete year. Policy covers accidental insurance of students and their parents along with fee.

6.6.2.3. Library

Write about the University library (in one page) mentioning its space for stocking and reading, automation, library staff, library committee meetings, library management system, text books availability, subscription of research journals, periodicals,e-journals and other necessary state-of-the-art software/ programme, timing etc.

Overview

The Library is one of the most important centres of the University, which facilitates the teaching, research and extension programmes. Both the faculty and students extensively use this facility. The Chandra Shekhar Azad University of Agriculture & Technology, Kanpur has, therefore, given key prominence to the development of the library facilities at the headquarters as well as at the constituent colleges and research campuses.

The Library was established in 1906 as a part of the Agricultural School Library. A magnificent building was constructed for the Library. After the school was upgraded as the Government Agricultural College, Kanpur the library was further developed and strengthened. The library served the college of the Agriculture from 1928-1969 and later on UPIAS from 1969- 1975. It was renamed as Institute of Agricultural Sciences Library in 1969. Finally, it was elevated to the status of Central Library in 1975. The Central Library continued in its building till 1984 as a part of CSAUA&T. The Central Library was shifted to a newly constructed building adjoining its original building, which is now used as office of the Registrar. Books, periodicals, theses, reports, maps and encyclopedia relevant to the mandate areas of the university have been stocked in the University Library and its constituent centres. Thus the Library is an oldest establishment. It has good collection of valuable and rare books, reference books, periodicals, thesis, subjective and competitive magazines, reports, bulletins, encyclopedias, maps gazetteers, dictionaries, agricultural statistical records etc.

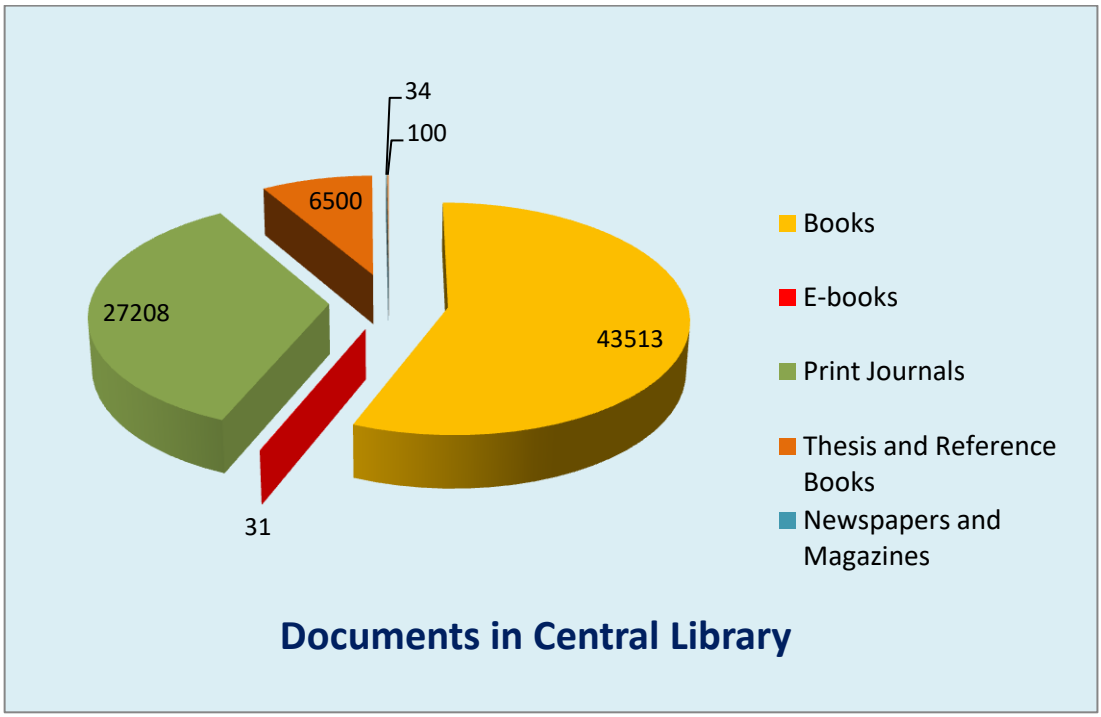
The function of library is to enhance status of teaching research and extension through availability of latest literature. Library updates knowledge bank of readers. Central Library is fulfilling all the requirements needed for students' researchers and extension personnel of the university. It has well developed infrastructure with all essential sections i.e. circulation, technical, processing, periodicals, books and computer information centre etc. Library is also supported with ERNET connectivity. It has online facilities for search of literature available in the library. The modernization process of Central Library is in progress. Since the beginning, efforts have been made to meet the requirements of teaching, research and extension activities of the University and its collection has reached 62,995 volumes consisting of books, theses and journals. All the books, Journals and theses have been automated with barcode facilities.

During the last decade, efforts have been made to keep abreast of information technology and introduce modern systems of library management and service. Thus, several journals that were hitherto obtained as "hard copies" have been discontinued in favour of the CD-ROM version of the journals. This has facilitated a tremendous improvement in the usage of the library for reference purposes especially by the research students and staff. Despite these initiatives, there is a genuine feeling that the University Library can further enhance its role in serving the needs of its users.

The University has been brain storming this with much concern and hopes to reach a solution to circumvent this problem. Inter-University Library linkage is one of the approaches that is being actively pursued to enhance the literature coverage for the leaders. For the first time biometric machine has also been installed in the library for the employees working there.

In addition a large number of bound volumes of periodicals, pamphlets, reports, theses, maps and micro-films, CD ROM etc are also available. The information provided gives a comprehensive picture of different kinds of documents available in the Library. Further, the subject-wise distribution of bound volumes of books and journals are shown in Figure.

Sl. No.	Resources	Total
1.	Books	43513
2.	E-books	31
3.	Print Journals	27208
4.	Thesis and Reference Books	6500
5.	Newspapers and Magazines	34
6.	CD-ROM/DVDs	100
7.	Library Automation Software	SOFTGRANTH







Central Library of the University

Mechanism Involved for the Access of Books, Journals and Thesis

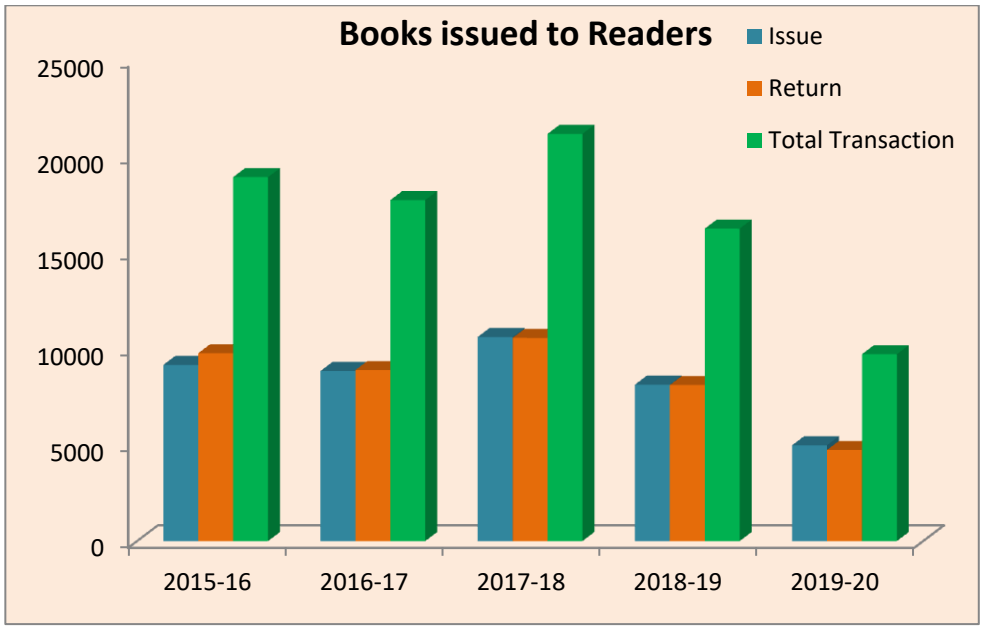
The Central Library of the University has adopted open access system with card catalogues (Author and Subject) and Dewey decimal classification scheme. Catalogue of theses covering the period from 1975 to 2001 is in hardbound and being updated as and when necessary. Likewise, it is planned to extend computerization to other activities in the Library. University Library is kept open from 8.00 AM to 10.00 PM on all working days.

The University Library has the provision for inter-Library Loan and permits outsiders for consultation.

Books Issued to Readers

Circulation status of books during last five years is as under:

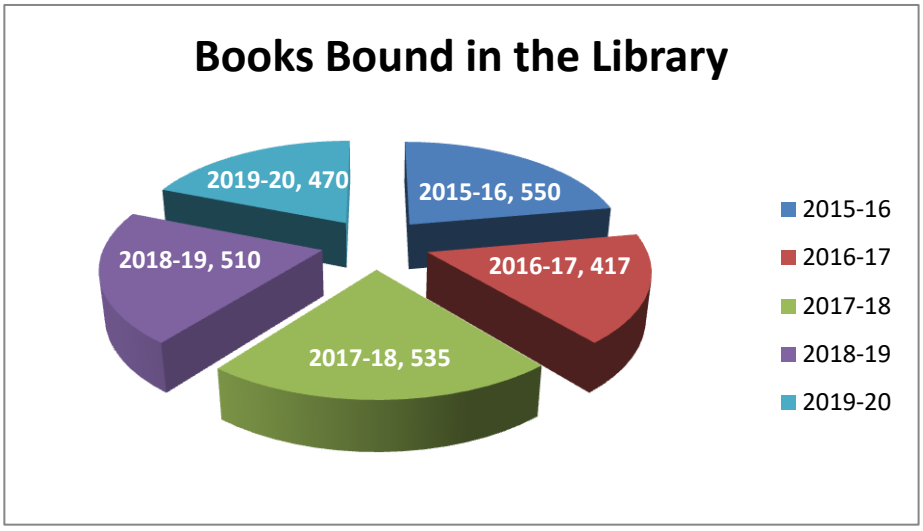
Year	Issue	Return	Total Transaction
2015-16	9148	9758	18906
2016-17	8834	8880	17714
2017-18	10601	10553	21154
2018-19	8125	8105	16230
2019-20	4975	4732	9707



Books issued and returned to faculty members and students

Books Bound in the Library

Further, the bound of books are shown in following graph:



Books bind the Library

Library Administration

A high quality in the collection and procurement is maintained with the sustained efforts of the Library Committee. Dean, College of agriculture is the Chairman of the Library Committee whereas, DSW, Registrar, Comptroller, other Deans of the Colleges are its members. Librarian is the Member Secretary of the Library Committee.

Functions of Library Committee

- Planning and formulating library policies and objectives.
- Suggesting University Librarian in preparation of estimates for budget proposals for libraries of the University.
- Monitoring of expenditure of the libraries of the University.
- Reviewing the demands of books and journals of the faculty members.
- Advising the departments in building up a balanced library collection and providing better library service.
- Advising on policy of reproducing excellent library materials and service matter of the library staff including the Librarian in planning the overall development of the University Library system comprising of the headquarter and the outstations.

Library Building

University Library is accommodated in a three-story building. It also has a basement. The total floor area of the building is about 3617 sq.m. The basement is used for new procurements and their processing, mending of books and journals and some space to stack other material. Library building has different sections to facilitate day-to-day work and service. These sections are:

- Reception counter
- Receipt and issue counter
- Cataloguing room
- Property counter
- Acquisition room
- Book section with reading hall

- Theses and references book section with reading hall
- Administrative section – Office of the librarian and sitting/working rooms for technical staff of the library
- Periodical and journal section with two reading halls connected with each other
- Computer room.

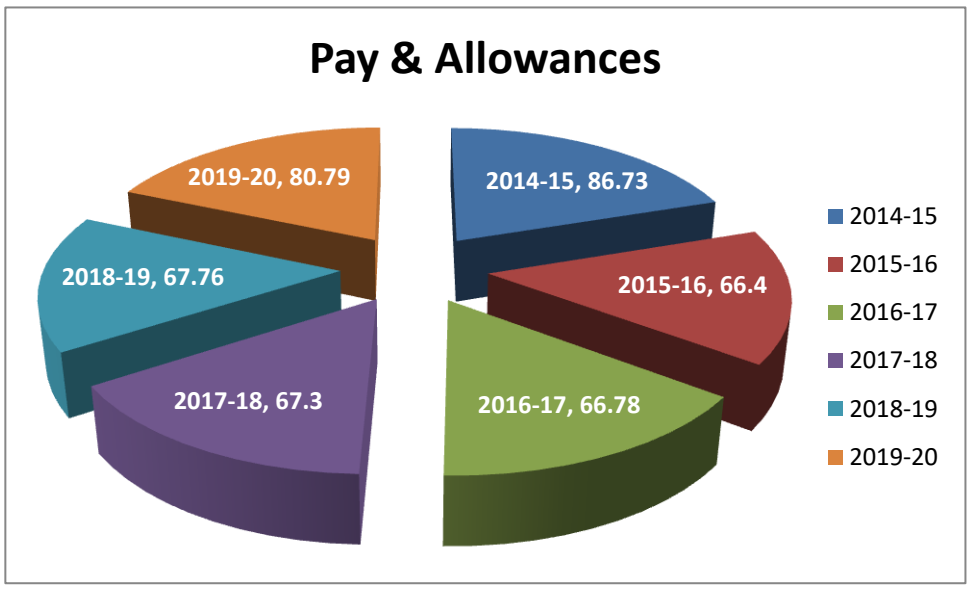
Library Budget

As per the ICAR recommendations the University should provide at least 6 per cent of its annual budget to the library. Annual Budget allocation of the last 10 years has been presented in the following table.

Library Budget (Rs. in Lakhs)

Year	Item			ICAR
	Pay & Allowances	Contingencies	Books & Journals	
2014-15	86.73	0.30	10.00	60.00
2015-16	66.40	-	-	-
2016-17	66.78	-	20.00	35.50
2017-18	67.30	-	7.00	16.00
2018-19	67.76	-	-	-
2019-20	80.79	-	9.00	14.00

Note: ICAR grant was sanctioned towards the procurement of CD ROMS, subscription of the National and International Journals and towards the automation and computerization of the library. This has resulted in modernization of the library.



Apart from routine service like lending, reference, Inter-library loan, Text Book Bank, the University library provides computer and photocopier services to its clientele. In addition, the library also compiles bibliographies and reading lists on demand and project oriented documentation services.

Procurement Trend

Though concerted efforts are being made to procure the books and periodicals to keep pace with the requirements especially in new emerging areas but due to paucity of funds there has been steady decline in procurement of periodicals. Multi-media demonstration kits are also being used in imparting training to the students using the computer facilities at the university.

Books/Journals Procured in different Years

S. N.	Year	Books
1.	2014-15	1500
2.	2015-16	-
3.	2016-17	-
4.	2017-18	1110
5.	2018-19	-
6.	2019-20	-

It is important to note here that during the recent past with the assistance from NATP, subscription to the foreign journals could became possible. Books have been procured from the funds made available through State Government and the ICAR. Factors like fluctuation in exchange rates, increasing cost of books, subscription to periodicals and declining in flow of funds have driven the authorities to give importance to the quality in acquiring books and

reference materials and to go in for subscription to periodicals which are most essential for the courses offered in the University.

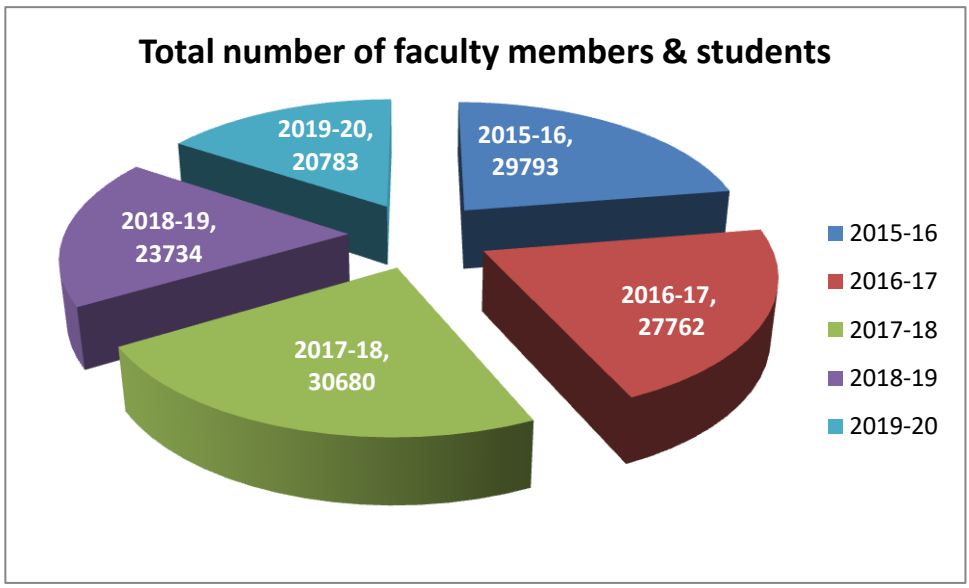
Library Usage Trend

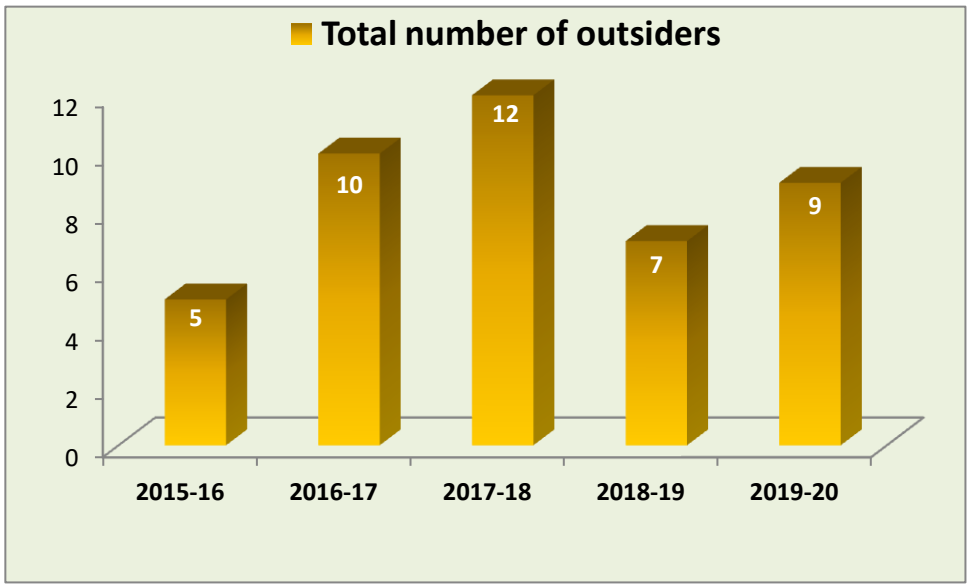
Despite a large collection of reading material and a good cataloguing system at the University Library, there has been a steady decline in the usage of libraries. A reduction in the acquisition of new publications, declining trend in the renewal of subscription of periodicals could be attributed to this alarming reduction in usage of libraries.

Library is a real heart of dynamic educational research institutes/universities. The University should consider modernization, mechanization and automation of the Central Library system. It should furnish and provide all the amenities required for the users.

Number of Faculty Members, Students and Outsiders Consulted Library

Sl. No.	Year	Total number of faculty members & students	Total number of outsiders
1.	2015-16	29793	05
2.	2016-17	27762	10
3.	2017-18	30680	12
4.	2018-19	23734	07
5.	2019-20	20783	09





Total Number of outsiders

Present Staff Position

S N	Name of the sanctioned post	No.	Pay scale/Pay matrix level	Name of employee
1.	Reprographic Asstt.	01	9300-34800 (6)	Shri. Sachin Shukla
2.	Asstt. Librarian	01	5200-20200 (5)	Smt. Savita Singh
3.	Senior Clerk	01	5200-20200 (5)	Shri. Ram Kumar
4.	Senior Clerk	01	5200-20200 (5)	Shri. Irfan Raza Noori
5.	Junior Clerk	01	5200-20200 (3)	Shri. Abhishek Singh
6.	Asstt. Librarian	01	5200-20200 (2)	Shri. Vinod Babu Pal
7.	Cataloguer	01	5200-20200 (2)	Shri. Ram Asrey Yadav
8.	Cataloguer	01	5200-20200 (1)	Shri. Imran Khan
9.	Book Binder	01	5200-20200 (1)	Shri. Ashok Yadav
10.	Sorter	01	5200-20200 (1)	Shri. Dinesh Chandra Dixit
11.	Sorter	01	5200-20200 (1)	Shri. Rambabu
12.	Sorter	01	5200-20200 (1)	Shri. Amar Singh Pal
13.	Sorter	01	5200-20200 (1)	Shri. Rajendra Prasad
14.	Attendant	01	5200-20200 (1)	Shri. Rakesh Kumar Pandey
15.	Servant	01	5200-20200 (1)	Shri. Virendra Singh
16.	Servant	01	5200-20200 (1)	Shri. Subhash Chandra
17.	Daftari	01	5200-20200 (1)	Shri. Raj Narayan Tiwari
18.	Chaukidar	01	5200-20200 (1)	Shri. Rakesh Chandra Dubey

- **Library IT infrastructure:**

S. No.	Particulars	Total Numbers
1.	Automation Software	SOFTGRANTH
2.	Computers	10
3.	Servers	01
4.	Printer for Library Users	05
5.	Photocopier for Library Users	02
6.	Eye 4 scanner	01

- **Seating capacity** : Approximately 150 capacity
- **Employing latest technology in library science**

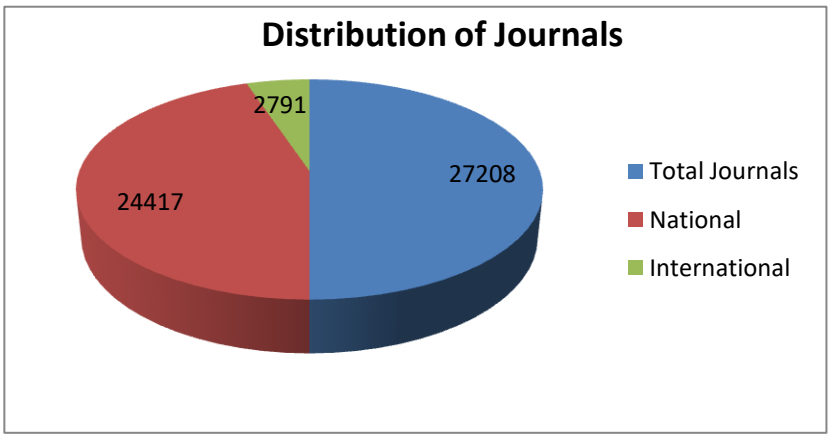
  No latest technologies are available in library. However, there are only automation software, computers, servers and printers etc.

- **Stocking arrangements**

  The library building has basement where stocking facilities are available.

- **Automation and user services through computer** : Available
- **Subscription of Journals of National and International reports:**

Sl. No.	Total Journals	National	International
1.	27208	24417	2791



National & International Journals

- National News paper: 23
- Magazines: 11

Present Scenario

The motto of the University has always been to create facilities for learning so that the students learn and excel. It has been tried that every campus is equipped with a library with the latest books and selected journals. However, the main libraries at the Kanpur Campus subscribe the latest number journals and CD ROM facilities and can be treated as very good libraries in the field of agriculture in the country.

There is a library committee, which decides on the purchase of books and journals based on a system, which considers the recommendations of books by the staff of the University. This helps in the optimum utilization of these scarce resources. In the field of Information technology the University has set up a centralized Computer lab and an Agricultural Knowledge Management Unit (AKMU) form ICAR financial support. The AKMU facility has internet access, which is in process of being extended to each and every department of the University. This will help in enhancing the internet access of both the students and researchers of the University. The central library of university is furnished with close circuit camera on all important places to monitor the safety and security of important literatures.

To maintain the punctuality of library staff the modern biometric system has been installed in central library. A number of facilities like, zerox machine, sound system mics, with LED T.V, digital camera, internet based computer system etc have been made available for better use of ICT in central library. To maintain a better environment of teaching the reading areas has been equipped with inverter support system for uninterrupted supply of electricity. A water purifier is also installed with water cooler for availability of fresh and clean water to students and faculties visited in the central library.

SWOT Analysis

Strength

- Multistoried building with adequate space.
- Encouragement from authorities.
- Effective and efficient technical processing.
- Have access to network.
- Adequate qualitative and quantitative collection
- Cost-effective searching of information.
- Service oriented staff.
- Electronic infra structure available

Weaknesses

- Shortage of resources (physical, staff and financial)
- Poor organization structure.
- Absence of new technologies.
- Poor investigation of users needs.
- Knowledgeable and experienced staff.
- Declining number of users.

- Lack of standardized software package.
- Well organized collection.
- Networking with other libraries.
- Library facilities at out station campuses are not well developed.
- Unavailability of a preservation unit create a great problem to maintain the old and important literatures

Opportunities

- To procure grants from various sources.
- Digitization of collections.
- Developing library website.
- Desktop delivering of articles.
- Giving formal training programmes & software demonstrations to staff.
- Identification of users needs.
- Table of contents via email.
- High level conversations with campus stakeholders-students, faculty and administration.

Threats

- Inadequate funds.
- Information through internet is free, so no need to visit library.
- Increase in publication cost.
- Getting library outdated demand for enhancing users services.
- Lack of understanding and cooperation of administrators.

Perspective Plan

Advancement in information technology and decline in financial resources necessitates planned development of libraries to meet the future challenges. The priorities identified are:

- Need to meet the growing information needs of scientists through access to national and international data base in agriculture and allied subjects through electronic media building a microcomputer based catalogue of library materials.
- Establishment of a microform unit and expanding reprographic services.
- Acquisition of publications in new areas of research.
- Building communication network access to departments and campuses.
- Upgrading the existing infrastructure, and

Providing training to staff in the use of the existing and proposed computer systems.

Keeping above priorities in view future activities identified are:

- Providing network access to library holdings covering books, journals and other material through an integrated library Online Public Access Catalogue and

automation of library operations and support automated circulation, book reservation, book acquisition and serials control.

- Providing network access to core bibliographic data bases in agriculture and allied disciplines by hosting these locally on a CD-ROM server.
- Providing network access to relevant Internet sources (e.g., Electronic journals)
- Radio Frequency Identification System (RFID)
- Electromagnetic Security System (EMSS)
- New generation technologies well beyond e-books such as Beacons, QR codes, Face recognition system, smart censors, touch screens, intelligent carpet for detecting user's behavior.
- Operation of e-mail based alerting services
- Setting up a library web server and integrate all library services
- Digitizing and providing network access to research publications of UAS including faculty publications, theses and dissertations.

6.6.2.4. Center for Excellence/Advance Studies/ Center for Advanced Faculty Training

Clearly mention about the name, number, year of establishment, funding agency and outcome of Center for Excellence/Advance Studies/Center for Advanced Faculty Training.

Two Centre for excellence and one Centre for advanced studies established during the year 2018 are operational in the university as per details given below:

S. N.	Name	No.	Year of establishment	Funding Agency	Outcome
1.	Centre of Excellence on Wheat	01	2018	Deptt of Agricultural Education & Research U.P.	Experiments on collection & maintenance of germplasms, crop improvement, agro-techniques plant protection were conducting besides production of nucleus seed of different varieties of wheat. Capacity building of 1000 farmers, 120 extension workers and 110 students were conducted. University developed technologies on wheat production were transferred to 265 farmers field.
2.	Centre of Excellence on Vegetable	01	2018	Deptt of Agricultural Education & Research U.P.	Experiments on collection & maintenance of germplasms, crop improvement, nutrient management, organic farming, weedicide management & irrigation management

					were conducted. The production technology of vegetables desiminated to farmer's field. Vegetable seed productions were also conducted at farmers fields.
3.	Centre for Advanced Agricultural Science & Technology on Nutritional Crops	01	2018	ICAR, New Delhi	Fifty five capacity programmes were organized in which 4619 students and 570 faculties were benefited. Three faculty and two students also visited aboard for international training/ exposure.

Centre of Excellence on Vegetables

Centre of Excellence on Wheat

NIR Lab established under CAAST-NC

Food Processing Laboratory under CAAST-NC

6.6.2.5. Incubation Center/Start up units/Venture capital

Provide the list of incubation center(s) start up units/ venture capital set up by the University for the promotion of technologies generated at the University.

Agri-business incubator Cell

Agriculture is the backbone of the Indian economy because of its high share in employment and livelihood creation. It is also an important source of raw material and demand for many industrial products, particularly fertilisers, pesticides, agricultural implements and a variety of consumer goods.

A shift from agriculture to agribusiness is an essential pathway to revitalize Indian agriculture and to make more attractive and profitable venture. Keeping this in mind, government has initiated technology business incubation units to promote entrepreneurship and agro- industry which will open the vistas of incubation landscape to the micro segment of the vast rural economy. They promote growth through innovation and application of technology, support economic development strategies for small business development, and encourage growth from within local economies, while also providing a mechanism for technology transfer.

Incubation Centre for Start-up (Agri-Business and Entrepreneurship) a pioneering incubation centre of the university was launched in 2020 encompassing agri-market-oriented development plan that seeks to improve farmer's livelihoods through agri-business incubation.

Composition of Incubation Centre for Start-up (Agri-Business and Entrepreneurship)

Dr. S.K. Gupta, Professor	**Chairman**
Dr. S.K. Biswas, Professor	Member
Dr. M.P.S. Yadav, Professor	Member
Er. S.K. Sachan, Associate Professor	Member
Dr. Jitendra Singh, SMS	Member
Dr. Anand Srivastava, Asstt. Professor	Member
Dr. Rashmi Singh, Asstt. Professor	Member
Dr. Jitendra Singh, Professor	Member Secretary

Role of Agri-business incubator

Agri-business incubator aims to set a benchmark in the field of food processing, to check post-harvest losses of the state. The potential of rural food processing industry to tackle this challenge is yet to be fully exploited in the state. Employment is much higher in the food sector than any other sector. Therefore, role of ABI becomes vital for a rapid transformation of the rural economy in a state like India.

Activities

- To promote the state of art of post-harvest technology research and product development for the benefit of the public in the state
- To facilitate creation of agri-business enterprises through technology development and commercialization

- To develop, produce and promote the value added products from crops of the state to ensure food security and high income to the farmers
- To analyze the quality and safety of various food commodities and to standardize its protocol
- To establish a postharvest management and value addition centre for under exploited fruits and vegetables
- As a part of our outreach program ABI centre has come up with a proposal to conduct monthly training/ workshop on entrepreneurship development programme on food processing to budding entrepreneurs who are seeking ideas for their business. The focus of training is to trigger the minds of entrepreneurs to embark into food business. Such training benefits existing entrepreneurs with innovative technology to compete in consumer market.

6.6.2.6. Technology Enabled Learning Resources

Technology allows for personalizing learning, building capacity of teachers and driving decisions based on real-time data. What kind of infrastructure, digital content, teacher training and data systems have been created in this regard. What are monitoring and evaluation frameworks to maintain and sustain these facilities?

Technology-enabled learning (TEL) has the power to transform other teaching and learning in classroom-based, online, and blended education by introducing the digital tools and resources themselves. Technology-Enhanced Learning (TEL) is important for many reasons. It is not only important because it is the standard of education that is expected today, but it can also improve education. Technology-enabled learning aims to focus on increasing access to quality teaching and learning by supporting policy formulation and innovation in the application of ICT in education, and the development of ICT skills.

Technology also motivates students to learn. They look forward to having time on their devices to explore and learn things through websites, videos, apps, and games. Students can learn and have fun at the same time, which helps them stay engaged with the material

The success of online or blended learning delivery is, to a large extent, dependent on the knowledge, expertise, support and leadership available in the transition to this new way of learning. In addition, quality teaching is a long-standing challenge in higher education where faculties are not so qualified to teach. In order to use online and blended learning but maintain or enhance quality teaching, more work to identify, disseminate, and implement best practices is required. A recent Massive Open Online Course (MOOC) was designed and delivered as one step in this direction. Other important technology enabled learning tools invariably followed in the University are Video based learning, Mobile learning, Tablets, Learning Apps and Micro-learning etc.

During the COVID-19 pandemic, almost all the teaching courses were completed through online classes. Not only this even the seminar and examinations were also held through online using these technology enabled tools.

Main benefits of using these technologies in the classroom is to improve engagement and knowledge retention, to encourage individual learning and collaboration.

6.6.2.7. Integrated Learning Systems (Experiential Learning)

How many these units have been sanctioned by the ICAR? Mention the functional condition of each unit. Provide data regarding year wise profit sharing with the students from each unit.

Eight Experiential Learning Programmes were implemented in College of Agriculture, Kanpur by ICAR and out of which two Experiential Learning Programmes (ELP) viz. Seed Production Processing & Technology and Production of Technology for Biofertilizers were sanctioned during 2018-19. The details of Experiential Learning Programmes for the different departments of the College of Agriculture are given below:

S.N.	Title of the EL Module	Department	Credits	Year	No. of Students trained for entrepreneurship	Manager
College of Agriculture, Kanpur						
1.	Commercial Beekeeping	Entomology	0+10	2015-16	78	Dr. Ram Singh
				2016-17	58	
				2017-18	67	
				2018-19	78	
				2019-20	53	
2.	Mushroom Cultivation Technology	Plant Pathology	0+10	2015-16	48	Dr. S.K. Biswas
				2016-17	71	
				2017-18	24	
				2018-19	104	
				2019-20	48	
3.	Seed Production Processing & Technology	Seed Science & Technology	0+10	2018-19	-	Dr. C.L. Maurya
				2019-20	20	
4.	Production of Technology for Biofertilizers	Soil Sci. & Agril. Chemistry	0+10	2018-19	-	Dr. S.D. Dubey
				2019-20	20	
5.	Poultry Production Technology	Animal Husbandry & Dairying	0+10	2015-16	31	Dr. Ram Ji Gupta
				2016-17	11	
				2017-18	16	
				2018-19	17	
				2019-20	53	
6.	Crop Production Group	Agronomy/Soil Science, Agri. Chemistry, Soil Con. & Water Mgt. & Seed Tech.	0+10	2015-16	33	Dr. A.K. Srivastava, Dr. R.K. Pathak, Dr. R.P. Singh & Dr. C.L. Maurya
				2016-17	33	
				2017-18	49	
				2018-19	53	
7.	Agriculture Waste Management	Agronomy	0+10	2019-20	53	Dr. A.K. Srivastava
8.	Commercial Horticulture	Horticulture	0+10	2017-18	29	Dr. A.K. Dubey
				2018-19	28	
				2019-20	27	

S.N.	Title of the EL Module	Department	Credits	Year	No. of Students trained for entrepreneurship	Manager
College of Horticulture, Kanpur						
1.	Protective cultivation of high value horticulture crops	Vegetable Science	0+10	2015-16	51	Dr. P.K. Singh
				2016-17	67	
				2017-18	65	
				2018-19	56	
				2019-20	53	
2.	Commercial Horticulture	Fruit Science	0+10	2017-18	29	Dr. A.K. Dubey
				2018-19	28	
				2019-20	27	
College of Home Science, Kanpur						
1.	Product Development and Entrepreneurship &	In Plant training in Department of Food	0+10	2015-16	28	Dr. Rashmi Singh
				2016-17	38	

	Community Nutrition and Welfare	Science and Nutrition, Textiles and Apparel Designing and Extension Education and Community Management		2017-18	31	
College of Agricultural & Engineering & Technology, Etawah						
1.	Industrial Training cum Experiential Learning Programme	In plant training Department of Agril. Engineering	0+25	2015-16	34	Er. Devendra Kumar
				2016-17	29	
				2017-18	35	
				2018-19	29	
				2019-20	37	
College of Forestry, Kanpur						
2.	Raising quality planting materials for forest regeneration	ELP Module-I ELP Module-II	0+10	2018-19	29	Dr. Sarvesh Kumar
				2019-20	28	
5.	Wild animal health management		0+10	2018-19	28	
				2019-20	29	
College of Agriculture, Lakhimpur Kheri						
1.	Commercial Beekeeping	Entomology	0+10	2018-19	14	Dr. Ram Singh
				2019-20	8	
2.	Mushroom Cultivation Technology	Plant Pathology	0+10	2018-19	10	Dr. S.K. Biswas
				2019-20	5	
3.	Seed Production Processing & Technology	Seed Science & Technology	0+10	2018-19	-	Dr. C.L. Maurya
				2019-20	5	
4.	Production of Technology for Biofertilizers	Soil Science & Agril. Chemistry	0+10	2018-19	-	Dr. S.D. Dubey
				2019-20	8	
5.	Poultry Production Technology	Animal Husbandry & Dairying	0+10	2018-19	-	Dr. Ram Ji Gupta
				2019-20	-	
6.	Crop Production Group	Agronomy/Soil Science, Agri. Chemistry, Soil Con. & Water Mgt. & Seed Tech.	0+10	2018-19	15	Dr. A.K. Srivastava, Dr. R.K. Pathak, Dr. R.P. Singh & Dr. C.L. Maurya
				2019-20	15	
7.	Agriculture Waste Management	Agronomy	0+10	2019-20	10	Dr. A.K. Srivastava
8.	Commercial Horticulture	Horticulture	0+10	2018-19	15	Dr. A.K. Dubey
				2019-20	7	

Major skills imparted

A training programme on development of soft skills for entrepreneurship among agri-graduates was organized. Following topics were covered:

- Confidence building
- Communication skills development
- Team work and team building
- Innovations and startup: A precursor to entrepreneurship
- Government initiatives and support for entrepreneurship
- Developing of seed production
- Plan for breeder seed production
- Finding out of off-type plants.
- Maintenance of record etc.

Action

- Students learnt about developing confidence and communication skills.
- Students were taught about innovations, startup and how to start entrepreneur taking help of Govt. support.
- Learnt need and role of breeder seed for augmenting total quality seed production.
- Activities like procuring required inputs, time management and agronomic activities for raising healthy crop performed.

- Students learnt plant diagnostic character and developed skills of identifying off-type plants to maintain the purity of crop.
- Learned the skills of maintaining records like stock register, production register etc.

6.6.2.8. Academic Industry Interface

Mention the important channels for knowledge transfer between University and firms. How the university has been benefited in last five years in terms of resource mobilization, research funding, knowledge transfer and others.

The University is striving for development of strong linkages with industry and identified the areas for knowledge transfer.

The existing formal and informal linkages with State Agricultural Universities, line departments, national institutes under Indian Council of Agricultural Research, Department of Biotechnology, Council of Scientific and Industrial Research, international institutes like International Crops Research Institute for the Semi-Arid Tropics, International Maize and Wheat Improvement Center, Government organizations like State Seed Corporation, State Seed Certification Agency, State Agro-Industrial Corporation, UPCAR, CST etc. would be further strengthened for better cooperation in various activities. Partnership with private seed companies/manufacturers, NGOs, Farmers' organizations, Marketing institutions, etc. would be stepped up for target-based research and dissemination of new agricultural technology.

Probable areas for establishing interface with industry

- Quality seeds and planting materials (Seed companies, Nursery growers and Plant Tissue Culture industries)·
- Herbal pharmaceuticals (Ayurvedic companies and Entrepreneurs involved in Alternative medicine)
- Functional Foods, Nutraceuticals and value-added products (Food companies, Agri-processors)
- Agri-inputs, Nano-materials and nano-particles (Innovative companies)
- Organic produce (Enterprising ventures for fulfilling the demands of green agriculture)
- Protected cultivation of vegetables
- Agri-Clinics

The university has successfully signed International Collaborative Agreements with 07 different academic institutions. The area of mutual agreement mainly ranges from seed production to research work on the issues like salinity tolerance, plant health management and value addition. Research funding generated through efficacy/contract research during last five years is given below in tabular form.

The university is gearing towards implementation of collaborative research project for testing Japanese Agricultural Technologies at the demonstration fields in educational and research based institutions under Govt. of Uttar Pradesh. MAFF will provide all logistic and hospitality supports to faculty and students for international exposure to agricultural institutions in Japan and mutually agreed by both the parties.

Research Funding generated through Efficacy/Contract Research/Consultancy Services

Funding Agency	Year	Amount (in Lakh)
Fertilizer, pesticide/seed industries	2015	14.00
	2016	32.25
	2017	104.25

	2018	59.42
	2019	68.89
	2020	38.25
	Total	**317.06**

6.6.2.9. National Ranking (ICAR/ MHRD)

Mention about the rank of the University in last five years in the NIRF from ICAR/MHRD.

Ranking status of Chandra Shekhar Azad University of Agriculture & Technology, Kanpur for the last four years as reviewed and communicated by Agricultural Education Division, ICAR, New Delhi is given below in tabular form:

Year	Rank	Ranking Agency
2016	53	ICAR, New Delhi
2017	37	
2018	52	
2019	43	

6.6.3. Research Support

6.6.3.1. Research Council

Mention the present composition of the research council and provide the dates of meetings in last five year in tabular form.

There shall be a Research Advisory Committee composed of the Vice-Chancellor as Chairman, the Director of the Agriculture Experiment Station as Secretary and Deans of the colleges and director Extension and members, this committee shall advice the Vice-Chancellor regarding (a) allocation of fund for research (b) the conditions for accepting grants and (c) other matters affecting the research programme of the any University.

1.	**Vice Chancellor**	**Chairman**
2.	Dean, College of Agriculture, Kanpur	Member
3.	Dean, College of Horticulture, Kanpur	Member
4.	Dean, College of Forestry, Kanpur	Member
5.	Dean, College of Home science, Kanpur	Member
6.	Dean, College of Agricultural Engineering & Technology, Etawah	Member
7.	Dean, College of Dairy Technology, Etawah	Member
8.	Dean, College of Fisheries, Etawah	Member
9.	Dean, College of Agriculture, Lakhimpur	Member
10.	Director Extension	Member
11.	Director, Agricultural Experiment Station	Member Secretary

The Directorate of Research played a major role in organizing the Zonal Research and Extension Advisory Committee (ZREAC) and Departmental Research Advisory Committee (RAC) Meetings held twice a year, once before the onset of *Kharif* and *Rabi* seasons and reviewed the results of the previous year's research programme, its relevance to the identified problems and the need for further continuation/ modification to achieve the objectives during the next year. The meetings also provide a forum to identify and prioritize the researchable

issues based on the feedback from farmers and extension scientists and formulate the technical programme.

Details of meetings conducted during period 2015-16 to 2019-20 are depicted below:

2015-16

Name of Department/ Zone	Kharif 2015	Rabi 2015-16
	Date	***Date***
South Western Semi Arid Zone	29.06.2015	21.12.2015
Bundelkhand Zone	23.06.2015	21.12.2015
Central plain zone	04.07.2015	03.12.2015
Agronomy	16.06.2015	03.11.2015
Soil Science & Agricultural Chemistry	02.06.2015	20.10.2015
Genetics & Plant Breeding	07.07.2015	29.10.2015
Soil Conservation & Water Management	01.06.2015	19.10.2015
Plant Pathology	09.06.2015	12.10.2015
Entomology	19.05.2015	20.10.2015
Agricultural Bio-chemistry	-	05.11.2015
Crop Physiology	25.06.2015	02.12.2015
Seed Science & Technology	02.07.2015	21.11.2015
Vegetable Science	27.06.2015	21.12.2015

2016-17

Name of Department/Zone	*Kharif (2016)*	*Rabi(2016-17)*
South Western Semi Arid Zone	30-05-2016	24-10-2016
Central Plain Zone	20-06-2016	02-12-2016
Agronomy	26-05-2016	27-10-2017
Soil Science & Agricultural Chemistry	04-06-2016	20-10-2016
Genetics & Plant Breeding	28-05-2016	21-102016
Soil Conservation & Water Management	10-06-2016	23-11-2016
Plant Pathology	04-07-2016	30-11-2016
Entomology	20-05-2016	30-09-2016
Agricultural Bio-Chemistry	11-07-2016	08-11-2016
Crop Physiology	21-062016	27-09-2016
Seed Science & Technology	18-06-2016	28-11-2016
Vegetable Science	08-06-2016	20-09-2016

2017-18

Name of Department/Zone	Kharif (2017)	Rabi (2017-18)
	Date	***Date***
South Western Semi Arid Zone	29-06-2017	06-12-2017
Central Plain Zone	30-06-2017	06-12-2017
Agronomy	21-06-2017	27-10-2017
Soil Science & Agricultural Chemistry	28-06-2017	30-10-2017
Genetics & Plant Breeding	23-06-2017	16-10-2017
Soil Conservation & Water Management	11-07-2017	09-11-2017
Plant Pathology	23-05-2017	25-10-2017
Entomology	05-07-2017	12-10-2017
Agricultural Bio-Chemistry	27-07-2017	11-10-2017
Crop Physiology	05-07-2017	13-10-2017

Seed Science & Technology	11-07-2017	28-11-2017
Vegetable Science	10-07-2017	23-092-017

2018-19

Name of Department/Zone	**Kharif (2018)**	**Rabi (2018-19)**
	Date	***Date***
South Western Semi Arid Zone	19-06-2018	03-12-2018
Central Plain Zone	29-06-2018	03-12-2018
Agronomy	28-06-2018	01-11-2018
Soil Science & Agricultural Chemistry	27-06-2018	20-11-2018
Genetics & Plant Breeding	21-06-2018	22,23-10-2018
Soil Conservation & Water Management	02-07-2018	15-11-2018
Plant Pathology	27-06-2018	17-11-2018
Entomology	26-06-2018	03-11-2018
Agricultural Bio-Chemistry	28-06-2018	11-11-2018
Crop Physiology	26-07-2018	16-11-2018
Vegetable Science	21-07-2018	02-11-2018

2019-20

Name of Department/Zone	**Kharif (2019)**	**Rabi (2019-20)**
	Date	***Date***
South Western Semi Arid Zone		08-11-2019
Central Plain Zone	03-07-2019	08-11-2019
Agronomy	01-07-2019	18-11-2018
Soil Science & Agricultural Chemistry	27-06-2019	20-11-2019
Genetics & Plant Breeding	25,26-06-2018	01,02-11-2019
Soil Conservation & Water Management	08-07-2019	13-11-2019
Plant Pathology	02-07-2019	30-11-2019
Entomology	03-07-2019	18-11-2019
Crop Physiology	26-07-2019	30.11.2019
Vegetable Science	04-06-2019	07-01-2020

6.6.3.2. Directorate of Research

Give brief information about the present establishment of the Directorate of Research, staff pattern, research coordination mechanism, research and seed production centers and contribution in academic programmes.

University came into existence in March 1975 and since then its contribution and achievements are flourishing continuously even today. The University has taken several programmes and initiatives for furthering agricultural research which have resulted in several notable contributions and remarkable accomplishments. Attempt has also been made to develop low cost production technology especially for small and marginal farmers. Many released varieties were found suitable in cropping systems and paved a way for diversification of Agriculture and greater emphasis is being laid on improving agriculture

productivity by developing short duration, high yielding, diseases and pests resistant varieties in crops with their matching agro-techniques suited to various regions.

Agricultural research in the state nucleated around kanpur when a permanent manorial experiment was started in 1883 to compare relative efficacy of organic manures against inorganic fertilizers on maize and wheat. J.W. Leather (1900), the then Imperial Agricultural chemist, deserves to be called the first chemist to initiate systematic study on the soils in Uttar Pradesh based on voluminous and pioneering research work of immense practical value carried out on salt affected soils by the erstwhile Agricultural Chemist to Govt. of U.P. and at present by C.S. Azad University of Agriculture and Technology, Kanpur. Research work on crop improvement started with the establishment of the unit of Economic Botanist (Rabi Cereals) in 1904, which was the first post of Economic Botanist in the Country along with E.B. (Rabi Cereals) in Lyallpur (now in Pakistan). It provided a sound base for systematic research on wheat improvement while the work on plant protection was started in the section of Entomology in 1906 for research work on cotton pink bollworm. Research work on crop breeding was started in 1904 by H.M. Leak in UP, under the state Department of Agriculture for the improvement of cotton with the appointment of first Economic Botanist (Cotton and Cereals).

The post of Economic Botanist (Cotton and Cereals) was re-designated as Economic Botanist (Rabi Cereals and Potato). But the research on potato crop was transferred to Economic Botanist (Potato) with its head quarters at Mukteshwar. The post of Economic Botanist (Potato) was later on transferred to G.B. Pant University of Agriculture and Technology, Pantnagar in 1975. A main centre for potato research at Kanpur under the All India Coordinated Potato Improvement Project was sanctioned in 1971 with a post of Potato Breeder. The breeding work in potato was initiated in collaboration with CPRI, Shimla. The work was further strengthened with the creation of a post of Assistant Potato Breeder in the main research scheme.

During 1955-56 a scheme on “Wheat rust control” came in to operation and during 1971, a centre of All India Coordinated Wheat Improvement Project was provided at Kanpur. After reorganization of teaching and research in 1931, a separate section of Economic Botanist (Oilseeds, Pulses and Millets) to Govt. of UP was established. The work of Economic Botanist (Oilseeds, Pulses ad Millets) was expanded by addition of the work on improvement of groundnut, sesame, arhar, urd, moong, maize, bajra, rapeseed and mustard. In 1936 the work on smaller millets viz. sawan, mandua, kakun and kodon were also added. With the creation of separate post of Millet Breeder the millet work was transferred to Millet Breeder from Economic Botanist (Oil seeds & Millet). ICAR sanctioned a sub-centre under

the All India Coordinated Maize Improvement Project at Kanpur in 1972 considering the importance of the crop in the central plain zone of the state.

The work on improvement of indigenous tobacco was initiated during 1955-56 at Tobacco Research Station, Saraimira (Farrukhaba). The research work on Cigarette Tobacco was taken up from June 1958 but was discontinued from June 1959, due to poor quality of leaf. In April, 1959 research work on Natu tobacco was initiated and continued up to 1964. Realizing the significant contribution of Tobacco crop in national economy by way of excise revenue foreign exchange earnings and lobour employment potential, ICAR has sanctioned All India Coordinated Research Project on Tobacco 1988-89 with its head quarter at Saraimiran Kannauj. The Tobacco Research Station, Saraimirah, Kannauj was shifted to Gursahaiganj in July 2001 and later to Araul (Kanpur) on July 2003. The broad based objective of the project is to carry out Hookah and Bidi tobacco improvement research programmes such as evolving new varieties of Hookan ad Bidi tobacco showing superiority in cured leaf yield, quality, with the remarks the full emphasis for insect pest and disease resistant should given and also the liking of the farmers and industrialist for Bidi making industries of U.P.

With the creation of independent section of Economic Botanist (Legumes) the research work on all Kharif and Rabi legumes was transferred to this section. During 1969, ICAR provided a centre for research on pulses under All India Coordinated Research Project for Intensification of Pulse Research with a sub-centre at Chandauli (Varanasi), which was shifted to Etawah in 1971. However the main centre of Pulses was establish in the year 1972 at Kanpur.

Under the scheme for intensification of the work on Til and Linseed, Mauranipur (Jhansi) and Varanasi centres, respectively were established in the Third Five Year plan (1962). The scheme for Improvement of oilseed and Production of Hybrid Castor also came into operation at Kanpur during the same period. In 1964, all these schemes were amalgamated into one scheme viz. Integrated Scheme for Improvement of Oilseed Crops. After the inception of All India Coordinated Research Project on Oilseed (AICRPO) in 1967-68, the integrated schemes financed by ICOC were closed and one main centre for research on rapeseed and mustard at Kanpur, one sub centre for groundnut at Mainpuri and one sub-centre of Linseed at Kanpur and another at Mauranipur (Jhansi) were provided under AICRPO of ICAR. A scheme of white grub unit control and another production of Elite and Super elite sunflower seed were added to the list of the AICRPO projects in 1976.

The research work on rice was started at Kanpur during 1924. Later on, in 1932 entire research work on rice was shifted from Kanpur to Nagina (Bijnor) . In 1944, the paddy research was transferred under the overall charge of Economic Botanist Paddy, Potato and Rabi cereals. In 1949, Assistant Economic Botanist (Paddy), Nagina was made overall in charge rice research in U.P. During 1958, the major research activities were concentrated at Faizabad with the creation of post of Economic Batanist (Paddy) with several sub-centres. In 1971-72 new rice research station was established again at Kanpur and in 2004 a cooperating centre under AICRP on Rice was granted by ICAR.

U.P. State Government has established research unit for the improvement of vegetable crop at Alambagh, Lucknow during the year 1951. Later on this unit was shifted from Lucknow to Kalyanpur, Kanpur. Subsequently, in the year 1962, the vegetable research

scheme has been strengthened with the creation of Economic Botanist (Vegetables). During the year 1971-72, a sub centre under All India Coordinated Vegetable Improvement Project (AICVIP) and All India Coordinated Potato Improvement Project (AICPIP) has been sanctioned by ICAR. During the year 1981-82 Government of India has also sanctioned a project on "Breeder Seed production of Vegetable Crops" to this centre. The Vegetable Research Station, Kalyanpur was upgraded as Department of Vegetable Science during 2002-03 with the mandate of making provision for the education of post graduate students and Ph.D. scholars of the country and execution of research on vegetable improvement and programme of seed spices. In the year 2008-09 ICAR also granted main centre of All India Network Research Project on Onion and Garlic sponsored by Directorate of Onion and Garlic Research, Rajgurunagar, Pune, Maharashtra.

Directorate of Research of the University was established in March 1975 with mandate of Planning, Execution, Monitoring, Co-ordination, Evaluation and Impact Assessment of Research Programmes across the Faculties to cater the research needs of two agro-climatic zones of state of Uttar Pradesh namely, South-Western Semi- Arid and Central plain zones covering 22 districts of five administrative divisions *viz.;* Lucknow, Kanpur, Allahabad, Aligarh and Agra. The University has a long history of significant research contributions made by the well established faculties, Research Sections, Regional Stations and research farms and developed more than 291 high yielding varieties in cereals, oilseeds, pulses, vegetables and other important crops. University have four Research Sections (Rabi cereals, oilseeds, legumes and vegetables), four crop units (paddy, sorghum, cotton & tobacco), five Regional Research Stations (Kalai Aligarh, Mainpuri, Hazratpur-Firozabad, Daleepneger-Kanpur, Saini–Kaushambi,) and 14 farms (research and seed multiplication). The mandate of Research Sections/Crop Units/ Regional Research Stations are given as under;

Name of Research Section/ Station	**Mandate**
Research Sections	
Rabi Cereals	Wheat & barley crop improvement and development of their agrotechniques
Oilseeds	Rapeseed & mustard, linseed, sesame and castor crop improvement programme and development of their agro-techniques.
Legumes	Mungbean, urdbean, lentil, field pea, chickpea, pigeon pea, rajmas crop improvement and development of their agro-techniques.
Vegetables	Potato, table pea, brinjal, tomato, cabbage, cucurbits, sem, onion & garlic and spices crop improvement and development of their agro-techniques.
Crop Units	
Paddy	Paddy improvement & development of agro-techniques
Sorghum	Sorghum improvement & development of agro-techniques
Cotton	Cotton improvement & development of agro-techniques
Tobacco	Tobacco improvement & development of agro-techniques
Regional Research Stations/ Sub-Stations	
RRS, Kalai -Aligarh	Soil & water management and verification function of cereals, oilseed and pulses.
RRS, Daleepnagar-Kanpur	Researches on reclamation, management and utilization of salt

	affected soil, agro forestry and animal nutrition.
Research Sub Station, Mainpuri	Groundnut improvement and development of its agro-techniques with verification function of maize, bajra, wheat, pulses and oilseed.
Research Sub Station, Hazratpur Firozabad	Researches on soil & water conservation, agro-forestry
Research Sub Station, Saini-Kaushambi	Verification functions of cereals, pulses and oilseed crop and cropping system.

Major Research Functions

The University has done good research work in the management of saline and alkaline soils and made out good recommendations for their reclamation. These need to be spread quickly as over one lac ha area in this region is rendered unproductive due to salinity and alkalinity. The University has also given out good cropping sequences for the different agro-climatic zones. Strong research-extension linkages need to be established. There seems to be little attention to researches on sustainability e.g., microbial fertilizers, production of vermi-compost, organic fertilizers, Bio agents, micro-irrigation, bio-technology research, post harvest management and value addition, market intelligence and use of modern technologies in social sciences. Tremendous scope exists in value addition research in fruit and vegetable crops. The research programmes in the university can be broadly classified into four major areas:

Basic or Fundamental Research

The research activities include understanding of the natural system and biological relationships of natural resources, the biological processes of agricultural production, etc., basically to generate information and add to the knowledge data base. The research carried out by faculties and students serves to strengthen the intellectual capabilities of the scientists for further applied research.

Applied research

It includes the research activities aimed at providing solutions to the field problems of the line departments of the State Government and farmers, which is one of the major mandates of the University. A team of' multi-disciplinary scientists at the Zonal Agricultural Research Stations and AICRPs/non-plan schemes of university carries out most of these applied research activities.

Need-based research

Need-based research is being done mostly through the ad-hoc research projects. Several projects funded under ICAR, UPCAR, RKVY, CST and other funding agencies are being taken up by the University for solving need based specific problems related to agriculture and allied activities in the State.

Operational Research

For shortening the gap in the release of the technology by directly working with the farmers the University organizes research activities at farmers fields. They also help in evolving site-specific modifications and refinement of technology as well as obtaining feedback for planning further research programmes.

Productivity Constrains and area of Research

The area jurisdiction of University spread over in two zones of State of Uttar Pradesh viz; South Western Sem-arid Zone and Central Plain Zone and working for enhancement of the agricultural and socio-economic development of the regions. The agriculture productivity constraints of both the zone is depicted as below:

South- Western Semi Arid Zone

1. Problem of brackish water in Mathura, Agra and Aligarh districts.
2. Problem of salinity/alkalinity in all districts of the zone.
3. Depletion in ground water in all districts of the zone.
4. Emerging deficiency of secondary nutrients and depletion of organic carbon in soils.
5. Diseases like Alternaria blight, white rust and aphid in mustard, powdery mildew in pea, wilt in gram and pigeonpea, late and early blight and black scurf in potato, problem of bud necrosis in groundnut and pest attack in cotton are the serious problems of the zone.
6. Severe incidence of insect, pests & diseases and complex problems in crops.
7. Non availability of quality seed of high yielding varieties.
8. Lack of varieties of falsa, ber, bel, aonla and citrus and suitable agro-techniques.
9. Epidemics, parasitic infestation, malnutrition, delay in puberty in buffalo & goat, brucellosis, anoestrous and mastitis in buffaloes and higher calf mortality.
10. Lack of farming system modules for ravines.
11. Slow pace of technology flow towards end users.

Central Plain Zone

1. Depletion in ground water in all districts of the zone.
2. Emerging deficiency of secondary nutrients and depletion in organic carbon in soils.
3. Powdery mildew in pea, wilt in gram and pigeonpea, Alternaria blight, white rust and aphid in mustard, yellow mosaic in green gram and black gram, late and early blight and black scurf in potato are the serious problems of the zone.
4. Severe incidence of insect, pests & diseases and complex problems in crops.
5. Incidence of nematodes is an emerging problem in crops.
6. Lack of climate resilient varieties of paddy, wheat, barley, mustard, chickpea, fieldpea, pigeon pea.
7. Non availability of quality seed of high yielding varieties.
8. Alternate bearing, fruit dropping, mealybugs in mango and fruit fly and wilt in guava.
9. Heavy fruit dropping in aonla.
10. Stem and fruit bores in brinjal and tomato.
11. Epidemics, parasitic infestation, malnutrition, delay in puberty in buffalo & goat, brucellosis, anoestrous and mastitis in buffaloes and higher calf mortality
12. Unavailability of quality fingerlings, malnutrition, low production potential, higher fingerlings mortality and low maintenance of water bodies in fisheries.
13. Slow pace of technology flow towards end users.

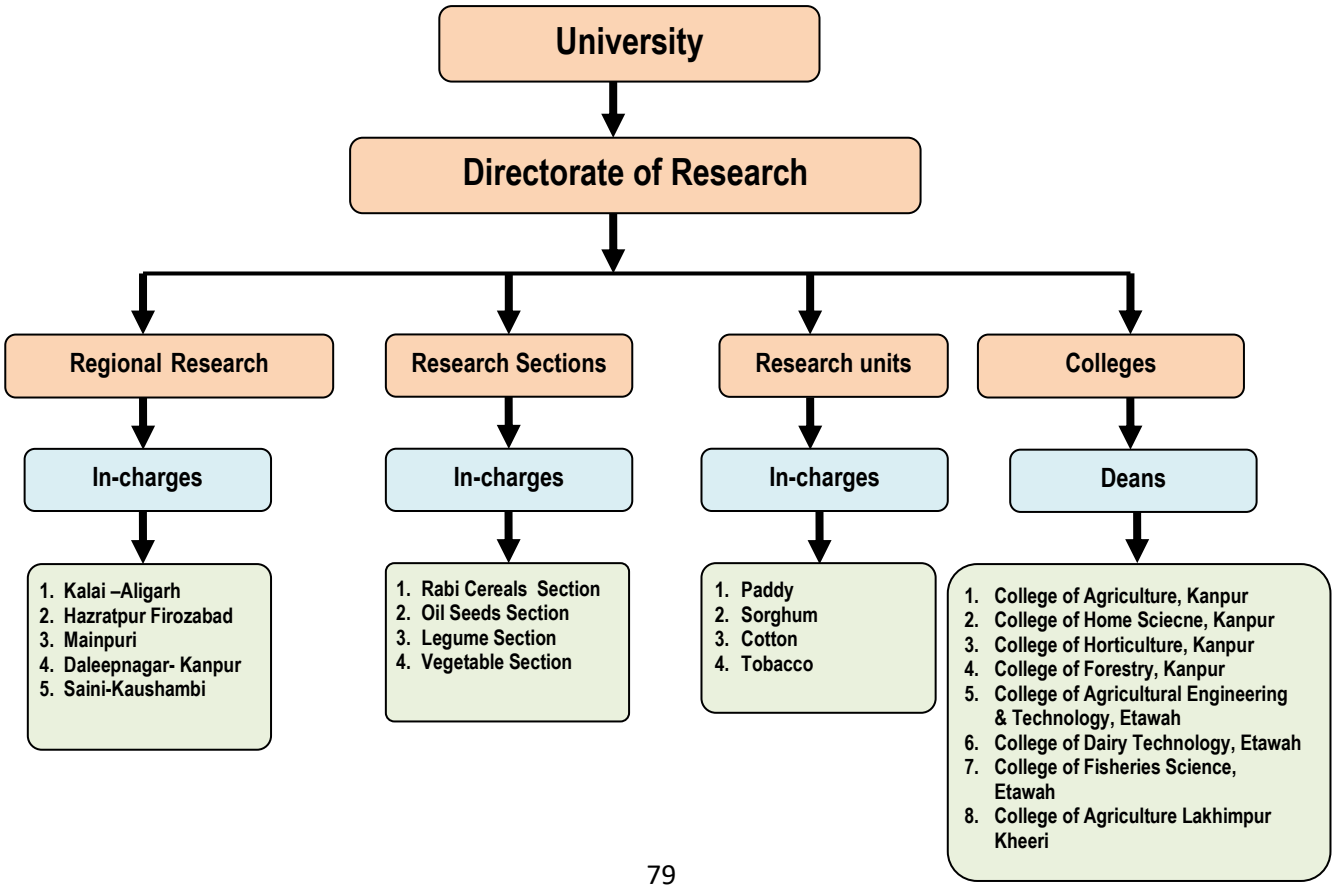
Existing Staff Position

S.N.	Research	Professor	Associate Professor	Assistant Professor	Supporting Staff
A.	**Directorate of Research**	1	2	4	13
B.	**Research Sections**				
1	Vegetable Section	-	2	10	18
2	Oilseeds Section	-	-	1	15

3	Legume Section	-	1	2	26
4	Rabi Cereal Section	1	-	4	28
C.	**Regional Research Stations**				
5	Saini Kushambi	-	1	3	-
6	Kalai Aligarh	1	3	5	14
7	Mainpuri	-	1	2	3
8	Daleep Nagar	-	5	3	-
9	Hazartpur	-	1	3	12
D.	**Departments**				
10	Agronomy	-	6	6	-
11	Agriculture Economics	-		2	-
12	Genetics & Plant Breeding	-	-	-	-
13	Entomology	-	4	5	-
14	Crop Physiology	-	4	9	-
15	Plant Pathology	-	5	6	-
16	Seed Science & Technology	-	2	5	21
17	Soil Science & Agriculture Chemistry	-	4	4	
E.	**Research Units**				
18	Paddy	-	2	11	21
19	Sorghum	-	-	1	7
20	Cotton				
21	Tobacco			1	5
F.	**AICRPs**	1	16	24	40
	Total	**4**	**58**	**105**	**223**

Research Coordination Mechanism: Directorate of Research Coordinate all the researches in the University in cooperation with Deans of respective colleges. Research coordination mechanism is depicted below;

Organizational chart of the Directorate of Research



MoUs Signed with National and International Organizations

S. N.	Date	Name of the MoU signed
1	13.07.2015	International Rice Research Institute (IRRI), Philippines
2	15.06.2016	ICAR-IIPR, Kanpur
3	05.08.2016	National Institute of Plant Health Management, Hyderabad
4	27.03.2017	U.P Council Of Agricultural Research Gomti Nagar Lucknow
5	15.07.2017	National Sugar Institute Kanpur
6	15.07.2017	Uttar Pradesh Council Of Sugarcane Research, Shahjahanpur U.P
7	20.12.2017	ICARDA Aleppo, Syria
8	13.04.2018	ICAR-IIFR Modipuram, Meerut
9	18.05.2018	Sirius Minerals Plc("Sirius")
10	20.04.2018	Sun Agro Biotech Research Centre Chennai
11	01.09.2018	Tasty Dairy Specialties Ltd. Kanpur
12	25.04.2019	Kasetsart University, Bangkok, Thailand
13	05.06.2019	The Food and Agriculture Organization of the United Nations ("FAO")
14	27.06.2019	NIFTEM, Sonipat
15	29.08.2019	ICAR -IIMR, Hyderabad
16	04.09.2019	Developer Brother Software Solutions, New Delhi
17	14.10.2019	ICAR - IIVR, Varanasi
18	02.12.2019	Solidaridad Regional Expertisc Centre
19	11.12.2019	CIMMYT Mexico
20	24.12.2019	ICAR-IARI, New Delhi
21	10.01.2020	ICAR -IISS, Mau
22	15.01.2020	ICAR-NIPB, New Delhi
23	23.01.2020	AKG CONSULTING, Kanpur
24.	03.02.2020	University of Agricultural Science, GKVK, Bengaluru- 56065, Karnataka
25.	31.03.2020	India Metrological Department , New Delhi

Seed Production Centres

S. No.	Name of Farms	Total area (ha)	Cultivated area (ha.)
1	Student Instruction Farm, Nawabganj, Kanpur	32.00	27.80
2	Old dairy Farm, Nawabganj , Kanpur	34.80	32.00
3	C.R.F. Nawabganj, Kanpur	35.20	26.20
4	Oil Seed Research Farm, Kalyanpur , Kanpur	62.27	44.00
5	Vegetable Research Farm, Kalyanpur, Kanpur	24.02	17.80
6	New Dairy Farm, Kalyanpur, Kanpur	43.06	33.00
7	Seed Multiplication Farm, Daleepnagar, Kanpur	36.00	33.50
8	Seed Multiplication Farm, Bojha Daleepnagar, Kanpur	22.00	20.00
9	NARP, Daleepnagar, Kanpur	234.00	10.00
10	C.R.F., Araul, Kanpur	20.84	17.84

S. No.	Name of Farms	Total area (ha)	Cultivated area (ha.)
11	C.R.F., Uttaripura, Kanpur	25.80	21.33
12	C.R.F., Deegh, Kanpur Dehat	22.70	17.25
13	C.R.F., Farrukhabad	3.20	2.20
14	C.R.F. , Mainpuri	10.52	9.00
15	C.R.F. , Kalai Aligarh+	15.89	14.70
16	C.R.F., Saini Kushambi	25.20	22.20
	Total	**647.5**	**348.82**

Contribution in Academic Programmes:

Directorate of Research provides platform for M.Sc. & Ph.D. research programmes. Indian Council of Agricultural Research, New Delhi has sanctioned a project NAHEP-Centre for Advanced Agricultural Science & Technology on Nutritional Crops for enhancing capacity building of M.Sc. & Ph.D. Students and faculty. So far 55 capacity programmes were organized in which 4619 students and 570 faculties have been benefited during 2018-19 and 2019-20.

6.6.3.3. Technology Developed and its Adoption

Provide the list of approved technologies developed in last five years along with their adoption and coverage in the jurisdiction of the University.

Technology developed in last five years encompasses improved varieties and the recommendations made on crop production and protection technologies.

Varietal development

Year	Crop	Name of cultivar	Peculiarity	Adoption
2015-16	Wheat	K607	Timely sown, irrigated condition, suited for Chapati purpose resistant to rust	Irrigated ecology for whole Uttar Pradesh
		K1006	Timely sown, irrigated condition high zinc and iron	Irrigated ecology for Whole Uttar Pradesh
	Lentil	KLS09-3	Suited for late sown condition, condition resistant to rust & wilt	Entire Uttar Pradesh
		KLB 2008-4	Late sown, un-irrigated condition resistant to rust & wilt	Un-irrigated condition of Whole UP & Specially for bundelkhand
	Moongbean	Sweta	Early & synchronous meturity resistant to left hoper and white fly	Northern Hill Zone and whole Uttar Pradesh
2016-17	Linseed	Uma (LCK1101)	Rainfed condition resistant to *alternaria* blight, rust & wilt	Rainfed condition of Whole Uttar Pradesh
		Indu	Irrigated condition resistant	Irrigated condition of Whole

		(LCK1108)	to alternaria blight, rust & wilt	Uttar Pradesh
2017-18	Wheat	K1317	For restricted irrigation (rainfed ecology) resistant to rust	Rainfed ecology of UP, Bihar, Jharkhand, West Bengal, Assam, Madhya Pradesh, Rajisthan, Karnatika & Maharastra
	Lentil	Shekhar-4(KLB-345)	Late sown condition, resistant to rust & wilt	Whole Uttar Pradesh
		Shekhar-5(KLB-122)	Ist forthnight of December sowing, resistant to rust & wilt	Whole Uttar Pradesh
2018-19	Linseed	Rajan (LCK -1009):	Developed for double purpose resistance to alternaria blight, oil 58%/ha and 56% omega-3 in oil.	Irrigated condition of UP
	Groundnut	Avtar (ICGV-93468)	Suited for summer cultivation	Whole Uttar Pradesh
2019-20	Moongbean	Azad Moong-1 (KM-2342)	Suited for Zaid and Kharif Season YMV resistant	Whole Uttar Pradesh
	Linseed	Surya (LCK-1404)	irrigated Condition and high omega-3	Himachal Pradesh, Punjab, Haryana and Jammu

2015-16

Lentil

KLS09-3: developed for late sown condition of whole Uttar Pradesh having green foliage, semi erect, plant vigorous, seed redish gray, maturity (115-120), good yielder, wide adaptability, resistant to wilt and rust.

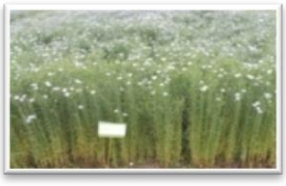
KLB 2008-4: developed for late sown condition of whole Uttar Pradesh specially for Bundelkhand region having dark green foliage, semi erect, seed redish gray, early maturitywith high yield and resistant to wilt and rust.

2016-17

Linseed

Uma (LCK1101): developed for rainfed condition, erect, blue flower, 60 cm plant height, resistant to *alternaria blight*, rust and wilt, medium capsule, light brown seeded, 7.8 g test weight with yield potential 8-10q/ha.

Indu (LCK1108): developed for irrigated condition, erect, blue flower, 72-75 cm plant height, resistant to *alternaria blight*, rust and wilt, medium capsule, brown seeded, 9.6 g test weight with yield potential 10-12q/ha dual purpose.



2017-18

Wheat

K 1317: developed for rainfed timely sown condition of Eastern & Central Uttar Pradesh, Bihar, Jharkhand, West Bengal and Assam, crop matures in 120-128 days, average yield 27.13 Q/ha and yield potential 54.2 Q/ha, grain contain 43.05 PPM Iron and 38.3 PPM Zinc and resistant to rusts.

Lentil

Shekhar 4 (KLB 345): developed for late sown conditions, high yielding (18-20 q/ha), early maturity (110 days), resistant to wilt and rust bold seeded with red cotyledons and recommended for whole Uttar Pradesh.

Shekhar 5 (KLB 122): developed for late sown condition (December sowing) for entire Uttar Pradesh, maturity 110-115 days, resistant to wilt and rust, seed reddish grey, small seeded, yield potential 15-16 Q/ha.

2018-19

Linseed

Rajan (LCK -1009): suitable for double purpose, yield potential 15-18 q/ha, grain and fiber 11q/ha, resistance to alternaria blight, oil 58%/ha and 56% omega -3 in oil.

Groundnut

Avatar (ICGV-93468): Suited for summer cultivation for Whole Uttar Pradesh, early maturity, colour of kernel red, thermo tolerance and well stand under moisture stress condition, high yielding 30 q/ha dry pod and tolrent against BND and fungal disease

2019-20

Moongbean

Azad Moong-1 (KM-2342): developed for both Zaid and Kharif season of entire U.P., yield potential 10-12Q/ha, crop matures in 60-62 days, grain Shinee green, synchronous maturity, resistance toYMV, CLS, Anthracnose, Web blight and white fly.

Linseed

Surya (LCK-1404): developed for zone I which includes Himachal Pradesh, Punjab, Haryana and Jammu for irrigated condition, yield potential 2270 kg/ha under best field condition higher Oil yield 500kg/ha. It contains higher Omega-3 content (62.34%) than the other existing varieties of linseed, highly resistant to rust and moderately resistant to wilt. moderately resistant to bud fly, blue flower, dwarf ,

bushy in habit, twisted aestivation, medium size capsule, brown colour seed with medium seed weight.

Technology Development

2015-16

Crop Production

1	150:60:40 kg/ha NPK in normal sowing has been found suitable for high production in wheat.	Whole Uttar Pradesh
2	Significantly yield is enhanced in aerobic rice up to 150 kg/ha application of nitrogen in scheduled three split application as 1/3 basel + 1/3 AT + 1/3 PI	Whole Uttar Pradesh
3	The use of micro nutrients i.e. Zn & Fe in combination with recommended fertilizer dose, organic manure and cytokinn spray was significantly enhance grain & Straw yield over the control.	Whole Uttar Pradesh
4	Application of 20 kg S/ha through SSP resulted in significantly higher seed yield (1947 kg/ha) and income (B:C ratio of 3.6) under irrigated conditions in Uttar Pradesh.	Whole Uttar Pradesh
5	Bidi tobacco yield increased significantly with increase in N_2 level from 120-200 Kg./ha.	Whole Uttar Pradesh
6	Transplanting of Bidi tobacco on ridges gave more yield than flat transplanting.	Whole Uttar Pradesh
7	Green manuring with Dhaincha was superior to other green manure in increasing the productivity of tobacco and leaf quality.	Whole Uttar Pradesh
8	Use of phosphogypsum V/s gypsum for reclamation of alkali / RSC water irrigated soil maximum grain yield of rice was recorded with the application of amended water over control (untreated plots). The yield of rice irrigated with RSC water passed through 15 cm gypsum / phosphogypsum bed showed an increasing trend on crop yield.	Whole Uttar Pradesh

Plant Protection

9	Soil treatment with *Trichoderma harzianum* @ 2.5 kg/ha + *Pochonia chlamysdosporia* @ 10 kg/ha along with FYM is recommended for management of *Pratylenchus thornei* infecting chickpea.	Whole Uttar Pradesh
10	Two sequential spray schedules of fungicide in combination with insecticide i.e. (i) Mancozeb 0.25%+Methomyl 0.8g/L at 30DAT, Tricyclazole 0.1%+ Carbosulphan 2 ml/l at 45 DAT and Hexaconazole 0.1% + Profenofos 1 ml/l at 60DAT (ii) Mancozeb 0.25%+Methomyl 0.8g/l at 30 DAT, Propiconazole 0.1% + Carbosulphan 2ml/l at 45 DAT and Copper oxychloride 0.25% + Profenofos 1 ml/l at 60DAT recommended for effective management of foliar diseases of onion.	Whole Uttar Pradesh
11	Seed Treatment with Vitavax @ 2.5g/kg seed along with two sprays of tilt gave best results in management of foliar blight with maximum yield of 46.1 q/ha.	Whole Uttar Pradesh
12	Fipronil 5SC @ 0.3gai/kg (6ml/kg of seed) was found to be quite effective in managing the termite damage in wheat crop.	Whole Uttar Pradesh
13	Imidacloprid (confidor 200SL) @20gai/ha (100ml/ha) and Coragen (18.5SC) Chlorantanilpride (110ml/ha) were found to be effective in control of foliar aphids in barley.	Whole Uttar Pradesh
14	For management of damping off disease in bidi tobacco nursery , farmers are advised to apply two to three application of fungicide fenamidone 10% + mencozeb 50% @ 4 g/l was most effective in reducing the incidence of damping of disease in tobacco nursery and increased the healthy seedling for transplanting.	Whole Uttar Pradesh

Seed Treatment

15	Application of 20 kg P_2O_5/ha + seed treatment of castor with bio-phos @ 600g/ kg seed /ha increased the seed yield and economic returns in irrigated	Whole Uttar Pradesh
16	Maize + black gram-Potato-Onion crop sequence found most productive cropping sequences while Hybrid rice – Wheat cropping sequence was found most economical by giving the highest (1:2.86) benefit-cost ratio followed by Maize+Black gram–Potato-onion crop sequence by fetching Rs. 2.74 per rupee investment over all crop sequences.	Whole Uttar Pradesh
17	Maximum grain yield of rice was found with 100% RDF through chemical fertilizer	Whole Uttar

	while in wheat the highest grain yield (4499 kg/ha^{1}) was recorded in treatment (50% RDF + 50% N through GLM).	Pradesh
18	Studies on tillage and planting management in rice-wheat system indicated that green manuring with normal puddling has given maximum yield (3907 Kg/ha) of rice which was 19.9 and 9.7% higher as compared to 50% puddling (3262 Kg/ha) and normal puddling (3562 Kg/ha), respectively. In case of tillage in wheat conventional tillage and one harrowing were found at par and were found better than zero and reduced tillage.	Whole Uttar Pradesh
19	The maximum seed yield of 19 q/ha of mustard can be achieved by adopting line sowing with thinning + N_{120} P_{40} + 25 Kg S/ha. The contribution of recommended NPK and line sowing with thinning was maximum of 38% while those of 40 Kg additional N and 25 Kg S was 11 and 7%, respectively.	Whole Uttar Pradesh

2016-17

Crop Production

3	In potato, application of 6 kg zinc along with recommended dose of NPK (180:80:100) kg/ha. produced highest tuber yield.	Whole Uttar Pradesh
4	In Pearl-millet, application of RDF + PSB + *Azospirillum* (22.35 q/ha) was yielded optimum yield.	Whole Uttar Pradesh
5	Application of 100% recommended dose of nitrogen through vermi compost + IIHR microbial consortium @ 12.5 kg/ha gave optimum in coriander-radish sequence.	Whole Uttar Pradesh

Plant Protection

1	Treatment with bioagent *Bacillus pumilus* @ 2.5kg/ha/ FYM/ha was superior to control *Meloidogyne spp*. in bittergourd.	Whole Uttar Pradesh
2	Cabbage leaves were found to act as biofumigant to minimize plant parasitic nematode in Okra @ 5kg/m^{2}.	Whole Uttar Pradesh

Seed Production

6	In tomato seed coating of Carbendazim @ 2 g/kg seed + Imidacloprid @ 2ml/kg seed + Micronutrient mixture @ 20 g/kg seed enhanced yield.	Whole Uttar Pradesh
7	Pre-emergence (PE) application of pendimethalin (Stamp extra) @ 0.75 kg ai/ha gives higher seed yield (14.91q/ha) in vegetable pea.	Whole Uttar Pradesh

2017-18

Crop Production

1.	Application of RDF 100%+vermi-compost @ 3.0 t/ha + $ZnSo_4$ 25 kg/ha+*azotobactor* 20g/kg seed in mustard could bring significant increase in the grain yield (28.57) of mustard.	Whole Uttar Pradesh
2.	Wheat crop could yield significantly maximum with the management of weeds through post emergence tank mixed application of sulfosulfuron and met sulfuron (25+4 g/ha) at 25-30 DAS. The magnitude of increase in grain yield was 27.8% over weed check.	Whole Uttar Pradesh
3.	Under the land configuration and weed management practices in onion, raised bed pattern with 10 tonnes/ha rice straw along with application of Oxyfluorfen @ 225 g a.i./ha+one hand weeding at 40 DAT in onion effectively controlled weed all kind of weed with minimum nutrient depletion and produced highest bulb yield (211.05 q/ha), net return (Rs 197963/ha) and BC ratio (1:3.65). This treatment combination may be recommended for higher productivity and probability of Rabi onion in control Uttar Pradesh.	Whole Uttar Pradesh
4.	In Pearl-millet, increase in nitrogen levels from 30 to 90 Kg. N/ha the grain yield improved to the tune of 17.1 and 32.8 % with the application of 60 and 90 KgN/ha, respectively over 30 kg N/ha.	Whole Uttar Pradesh
5.	In Pearl millet productivity under late sown situations than D1 (Last week of July 25-30th) than D2 (2nd week of August 10-15th) conducted for three years (2015-17) exhibited the superiority of the nutrient combination of RDF + FYM @ 5.0t/ha + NPK foliar spray (19:19:19) @ 0.5% at 20-25 DAS by 35.6, 26.2 & 23.9 % in terms of grain yield over RDF alone in South Western Semi arid zone of U.P.	Whole Uttar Pradesh
6.	Application of farm yard manure @10 t ha^{-1} along with Ammonium Sulphate supplying 120 kg N ha^{-1} and SSP supplying 60 kg P_2O_5 ha^{-1} gave maximum grain yield	Whole Uttar Pradesh

	of wheat (38.29 qha^{-1}) in comparison to other treatment under study.	
7.	Application of FYM supplying 40 $kgha^{-1}$ N+NPK 120:40:40 $kgha^{-1}$ increased the grain yield of wheat significantly over control and other treatments. Maximum grain yield of wheat (40.00 $qtha^{-1}$) was found with the above said treatment.	Whole Uttar Pradesh
8.	Application of 125%NPK of STR basis alongwith zinc@5 $kgha^{-1}$ gave maximum grain and straw yield of barley.	Whole Uttar Pradesh
9.	Maximum grain yield 35.88$qha^{-1}$of rice was found with the application of farm yard manure @ 2 ton ha^{-1}+ Ammonium Sulphate supplying N @ 120 $kgha^{-1}$ and SSP supplying P_2O_5 @ 90 $kgha^{-1}$ over other treatments under study.	Whole Uttar Pradesh
10.	Application of treatment F_{40} N_{120} P_{40} K_{40} significantly increased grain yield of rice over control and other treatments and yield 35.79 qha^{-1} recorded with above treatment.	Whole Uttar Pradesh
11.	Application of 125% NPK of STR with zinc @ 5 $Kgha^{-1}$ gave significant maximum grain yield 34 65 $kgha^{-1}$ and stover yield 8760 $kgha^{-1}$ of maize in comparison to 100%NPK control , 100% NPK of STR basis and followed by 125% NPK of STR basis with S @ 30 $kgha^{-1}$.	Whole Uttar Pradesh
12.	Rice-chickpea cropping system, NPK doses (90:40:40 kg ha^{-1}) along with vermin-compost (5t ha^{-1}) or FYM@10t ha^{-1} recorded at par yield of rice variety 1509 with recommended doses of NPK (120:60:60 kg ha^{-1}) fertilizers.	Whole Uttar Pradesh
13.	Rice-chickpea cropping system, application of NPK doses 60:30:30 kg ha^{-1} along with green manuring of sesbania in situ was recorded yield of rice variety 1509 at par with the application of doses of NPK (90:40:40$kgha^{-1}$) alone**.**	Whole Uttar Pradesh
14.	The maximum yield of gram was recorded with the residual effect of FYM @ 20t ha^{-1}/ vermin-compost@ 10t ha^{-1} applied in *kharif* along with bio-fertilizers. It is important to note that gram may easily be grown with the residual effect of FYM or fifty per cent quantity of vermin-compost along with bio-fertilizer.	Whole Uttar Pradesh
15.	The maximum improvement in soil organic carbon, available phosphorus and available potash was observed with the application of 20 tones ha^{-1} FYM along with bio fertilizers and NPK (45:15:30 kg ha^{-1}) followed by 10 tones ha^{-1} vermin-compost.	Whole Uttar Pradesh

Plant Protection

16.	In rice field nursery treatment with carbofuran 3 G @ 0.3 G a.i./m^2 and soil application of carbofuran @ 1kg a.i./ha were found most effective to reduce the infestation of *M. graminicola.*	Whole Uttar Pradesh
17.	In cowpea the soil application of *Purpureocillum lilacinum* @ 20g/ m^2 +neem cake @ 100g/ m^2 as soil application was found most effective in reducing soil & root population of *M. incognita*.	Whole Uttar Pradesh
18.	In okra the combined application of bioagent (seed treatment with *Purpureocillum lilacinum* @ 2.5 ml/kg +*P . chlamydosporium* @ 100 ml/kg along with soil application of FYM @ 2 ton/ha was most effective in reducing soil and root population of *M. incognita*	Whole Uttar Pradesh
19.	Soil treatment by carbofuran 3 G @ 30kg/ha found most effective followed by cartap hydrochloride 4GR@ 10 kg/ha in reducing nematode infestation in groundnut.	Whole Uttar Pradesh

Horticulture

20.	In aonla cv. NA-7 spraying of zinc sulphate @ 0.6 % significantly reduced fruit drop and increases fruit retention along with higher yield (83.36 kg fruits /plant) with more specific gravity, more length, width, weight and volume of fruits. Significantly higher pulp weight, pulp: stone ratio and reduced amount of titratable acidity were also recorded in fruits produced from the plants treated with zinc sulphate @ 0.6%. However, more moisture, total sugars and TSS Brix contents were obtained from borax 0.6 % treated plants as compared to control. To obtained higher yield of quality fruits, plants of aonla cv. NA-7 should be sprayed with zinc sulphate and borax each @ 0.6 % in the months of August in north Indian plains.	Whole Uttar Pradesh
21.	In first year ratoon banana crop (tissue culture banana) cv. Grand Naine treatment of 100% RDF of NPK+50g *Azospirillum*+50g PSB+50g *Trichoderma harzianum* per plant produced tallest plants with maximum girth of *pseudostem*, number of leaves per plant, maximum length of inflorescence, number of fingers per hand and per bunch, finger length, weight, diameter, total soluble solids, total sugars, pulp and pulp: peel ratio with minimum amount of *titratable* acidity and peel.	Whole Uttar Pradesh
22.	In aonla cv. NA-7 treatment with higher concentration of NAA (20ppm) significantly reduced fruit drop and increases fruit retention. It also gave maximum fruit yield (81.25kg / plant), increased fruit length, width, weight, volume, specific gravity, pulp weight and maximum pulp stone ratio. Plant treated with Borax @ 0.4% results with an increase in ascorbic acid content (605.00 mg/100g), while zinc sulphate at 0.4%	Whole Uttar Pradesh

	significantly reduces the stone weight and acidity. GA_3 @ 40ppm treatment significantly increase TSS and total sugars content.	

2018-19

Crop Production

1	Integrated application of 100 % NPK +1 0 t FYM was found most appropriate combination to produce higher seed cotton yield in hirsutum cotton under irrigated condition.	Whole Uttar Pradesh
2	Maize + blackgram-Potato-Onion crop sequence was found to the most productive cropping sequences while the Hybrid rice – Wheat cropping sequence was found most economical by giving the highest (1:2.83) benefit-cost ratio followed by Maize+Black gram–Potato-onion crop sequence by fetching Rs. 2.71 per rupee investment over all crop sequences.	Whole Uttar Pradesh
3	Okra cv. *Arka Anamika*, pre-emergence application of pendimethalin @ 6ml/L + one hand weeding at 35 days after sowing was found suitable for maximum fruit yield (81.26 q/ha) with highest C:B ratio (2.48).	Whole Uttar Pradesh
4	The increment of yield was recorded 24.78% more treated with CSR-Bio (soil application + foliar spray) and 19.85% with CSR-Bio (soil application) over control. The results indicate that the use of CSR-Bio is beneficial for tomato and cabbage vegetable growing farmers.	Whole Uttar Pradesh
5	Intercropping of vegetable pea with *rustica* tobacco was recommended with application of Nitrogen @180 Kg N/ha for remunerative cultivation of resutica tobacco in U.P.	Whole Uttar Pradesh
6	In INM Practices with green manuring 200 Kg N/ha is recommended remunerative cultivation of *rustica* tobacco in Uttar Pradesh.	Whole Uttar Pradesh

Weed Management

7	Clodinofop @ 60 g ha^{-1} + metsulfuron methyl @ 4 g ha^{-1} was observed an alternative of hand weeding twice at 20 and 45 DAS for effective weed management of irrigated linseed in Central Plain Zone of Uttar Pradesh in linseed.	Whole Uttar Pradesh

2019-20

Weed Management

1	The post emergence (at 2-3 leaf stage of weeds) application of clodinafop 60 g/ha resulted in significantly higher yield (2066.67 kg/ha), net returns (Rs.77,840/ha) and benefit cost ratio (4.00). However, hand weeding twice was also at par to it for significantly higher seed yield (1883.33 kg/ha) in linseed.	Whole Uttar Pradesh

Crop Production

2	Significantly highest seed yield (2125 kg/ha), net returns (Rs.82,403/ha) and benefit cost ratio (4.45) were achieved with foliar application of $Znso_4$ @ 0.5 % + Borax @ 0.3 % at 45 DAS. Soil application of Borax @ 1.5 kg/ha + foliar application of Borax @ 0.3 % at 45 DAS	Whole Uttar Pradesh
3	Two time application of Auxin @ 1.0 ppm along with GA @ 200 ppm recorded significantly higher seed yield (2167 kg/ha) net monitoring return (Rs.77,847/ha).	Whole Uttar Pradesh
4	RDF (60:3:20 NPK kg/ha) + 5 t FYM/ha + 6 t/ha straw mulching + spray of KCL @ 0.5% was found best treatment to produce higher grain yield (49.13 q/ha) in Barley under timely sown condition.	Whole Uttar Pradesh
5	Integrated nutrient management package for French bean cv. Azad Rajmah-1 with the application of 75% NPK through inorganic source + 25% N through vermicompost was found suitable for realizing optimum green pod yield (77.08 q/ha) and highest B:C ratio (2.67).	Whole Uttar Pradesh
6	Application of RDF 100% + vermi-compost @ 3.0 t/ha + $ZnSO_4$ 25 kg/ha+ azotobactor 20g/kg seed in mustard could bring significant increase in the grain yield (28.57) of mustard.	Whole Uttar Pradesh
7	Late sown chickpea could yield maximum if fed @ 100% RDF with Rhizobium + PSB + PGPR (B_3) in central zone of Uttar Pradesh.	Whole Uttar Pradesh
8	75% RDF along with seed inoculation with Rhizobium and PSB was observed an alternative of 100% RDF for the cultivation of chickpea in Central Plain Zone of Uttar	Whole Uttar Pradesh

	Pradesh.	

Cropping System

10	Hybrid Rice-wheat- greengram (G+R) for rice based cropping system and Maize+black gram-potato-onion for maize based cropping system could be suitable crop sequence under central plain zone of Uttar Pradesh.	Whole Uttar Pradesh

Plant Protection

11	Prophylactic spray (at the time of canopy closure) with mancozeb @ 0.25% followed by cymoxanil + mancozeb @0.3% at the time of disease appearance and one more spray with mancozeb @0.25% after 8-10 days of second spray is recommended for the management of potato late blight.	Whole Uttar Pradesh

6.6.3.4. Research Publication

Provide the list of research articles (NAAS ranking 5.00 or more) published in National and International Journals (only based on the work conducted in the University).

Year-wise and NAAS ranking-wise summary of research articles published by the faculties is given below in tabular form and the complete list of the research papers published by the faculties during last five years has been enclosed as ***Annexure-I***.

Summary of Research papers published

SN	Year	No. of Research papers published in National or International Journals		
		Journal with NAAS Rating (5-7)	Journal with NAAS Rating (7-10)	Journal with NAAS Rating (More than 10)
1.	2015	07	-	-
2.	2016	07	03	-
3.	2017	43	02	-
4.	2018	69	08	01
5.	2019	68	04	-
6.	2020	17	02	-

6.6.3.5. Innovation and Best Practices

What are the innovative efforts of the University that help in its excellence in research?

University has done good research work in area of crop improvement and development of agro-techniques. So far university has developed 291 cultivars (cereals-88, pulses-54, oilseeds-85, vegetables – 58 & other crops -6) and more than 500 technologies which have been adopted by the farming community besides, management of saline and alkaline soils, good cropping sequence for different agro-climatic zones, Watershed technology for ravines and hillocks areas, technology for summer groundnut, border method of crop cultivation in paddy and wheat, alternative use of linseed stalk waste in plastic industry, mitigation of drought effect in pearl millet – thiourea technology, effective weed management technology against *Kans* and *Motha* developed.

An important innovations for natural dying in textile industries is the use of roasted peanut skin as an substitute of the synthetic colour.

6.6.3.6. IPR Cell/ ITMU

Whether the University is currently having functional Intellectual Property Right Cell in place. Mention the date of the meetings conducted by the Cell in last three years and what were the major recommendations. Is the University having Institute Technology Management Unit in place. Mention the date of the meetings conducted by the Unit in last three years and what were the major recommendations.

Vice Chancellor has constituted a committee for Research Priorty Monitoring and Evaluation (PME) which were also mandated to look after the issues of IPR and biosafety under Chairmanship Director Research. ICAR Guidelines for "Intelluctional Property Management and Transfer of Technology for Commercialization" adopted by the University after approval of Hon'ble Board of Management in its 145th meeting held on May 13, 2011. The meetings of PME committee were organized during 2017-18 to 2019-20 and the recommendations were drawn as under:

Date & Year	Recommendations
18.06.2017	Three IPR issues related to bio-control agent (*Tricoderma*) was identified for patent filing
05.11.2018	New IPRs should be identified for registration
10.04.2019	Awareness on IPR issues among faculty should be created
25.09.2020	New IPRs should be identified for registration

Details of Patents filed by the University

S.N.	Title	Patent Application No.	Date of Filling	Publication date (U/S 11A)	Current Status
1.	Novel method for preparation of *Trichoderma* formulation using colloidal chitin.	201611014928	29.04.2016	03.11.2017	Under Examination
2.	Production of pure *Trichoderma* spores with increased self-life.	201611014929	09.04.2016	03.11.2017	Under Examination
3.	Cheapest medium for quantitative isolation of microbes.	201611014930	29.04.2016	03.11.2017	Published

6.6.3.7. Central Instrumentation Unit

Is there a Central Instrumentation Unit in place? What are the facilities available in the unit?

University has a Central instrumentation laboratory which is accessible to both faculty and Postgraduate students. Recently, lab has shifted to Department of Soil Science and Agricultural Chemistry. Besides, each department has adequate equipments/instruments to carryout research in respective discipline. Sophisticated instrumentation facilities developed at university have been the major strength to carry out the advanced research in several areas

and provide option to post graduate students to get adequate exposure in recent modern techniques.

S.N.	Name of the instrument & Model No.	Qty.	Company Name	Entry Page No. of SR	SL No. given on instrument in CIL
1.	Gel Electrophoresis, Analytical Model (Gel Size 13 x 13 cm, Cap. 350 ml)	02	Bangalore Genei	28	1.1
2.	Vertical Gel Electrophoresis (Gel Size 16 x 14 cm,)	02	Bangalore Genei	28	1.2
3.	Regular Multiple for 2 gels	02	Bangalore Genei	28	2.1.
4.	Gel developing tray with gel holder, 16 x 14 cm	02	Bangalore Genei	28	2.2.
5.	Gradient marker	02	Bangalore Genei	28	2.3.
6.	UVI Gel electrophoresis system, Cap 250 ml	02	Bangalore Genei	28	
7.	Cooling Unit	02	Bangalore Genei	28	3.1.
8.	Power Supply Unit (Model EPS 500)	01	Bangalore Genei,	29	4
9.	Power Supply Unit (Model EPS 300)	01	Bangalore Genei	29	5
10.	Single Pan Balance, Range 100g (LI 127, RS 232)	01	Indosow	30	6
11.	pH meter (Digital) with ATC	01	ELICO Ltd.	32	7. 1.
12.	UV- VIS spectrophotometer. S No. 208/0118, Model No. SL-164	01	ELICO Ltd.	32	7.2.
13.	Accessories for double beam UV-VIS spectrophotometer. (Model No. SL 164)			34	
14.	P.C. Pentium 4	01		34	8.1.
15.	Inkjet printer (hp deskjet 3420)	01		34	8.1.
16.	Quarts Cuvettes (Pair)	01		34	8.1.
17.	UV Transilluminator (Model 25 x 13 cm), (College model type	01	Bangalore Genei	34	9
18.	Office Table 1200x 600 x 760 mm	01		36	10
19.	Computer Chair	03		36	11
20.	Steel Book case (1675x840x35 mm)	02		36	12
21.	Place Micro Block Digestion System (Model KES 12)	01	Pelican equiptmments	44	13
22.	Distillation system (Kel Plus, Model DISTYL-EM)	01	Pelican equiptmments	44	14
23.	Receiver Flask (Model BMRF)	20	Pelican equiptmments	44	15
24.	Distillation system (Model SUPRA-LX	01	Pelican equiptmments	44	16
25.	Receiver Flasks (Model BSRF)	20		44	17
26.	Top Loading Electronic balance Rang Max. 200g, APX 200	01	Denver Instruments	46	18

27.	Hot air oven (455x455x605)	01	Nutronics	47	19
28.	IBM P (CAT) [Computer + Monitor + Printer (hp laser jet 1020)	01	IBM	54	20
29.	Perkin Elmmlambda Fias Spectometer (Model Lambta 200UV/Vis	01	Perkin Elmer	54	21
30.	Voltage Stabilizer Cap. 4 KVA	02	Purevolt	58	22
31.	Table top centrifuge MAKE-TENKIN	02	Teknik	60	23
32.	AC Window	02	LG	62	24
33.	Voltage Stabilizers (Cap. 14 –280 V) & VR	01	Servokon	69	25
34.	Nikon Trinocular Research Microscope (Model 501)	01	Nikon	78	26
35.	Volume Micropipette	06	Nichipet Ex	80	27
36.	Lyopholizer/ Freeze drier Cap. 3 lit. Model No. 1190-SFD-008	01		82	28
37.	Distillation Unit (All quartz double distiller AQDD.XL.RSH)	01	Bhanu	84	29
38.	Refrigerator, double door with stabilizer	01	Godrej	86	30
39.	Lovibond Tintometer (Model PFX 995)	01	Lovibond	88	31
40.	Heater, Model PFX 995	01		88	31
41.	Dehumidifier (Model. CZ- 10103-08)	01	Movin cool office Pro 24	90	32
42.	Deioniser Water Purification system (synergy)	01	Millipore	92	33
43.	Nikon Digital Camera (Model Coolpix 8400)	01	Nikon	96	34
44.	Pentium U.PC (LCD Monitor-HP + Printer Dis 60)	01		98	35.1
45.	Filled Oxygen cycilder with regulator	01		98	35.2
46.	Carrier gas cylinder (filled) with regulator	01		98	35.2
47.	UPS 3 KVA Online	01	Uniline	100	36
48.	Rotars and adoptor of Centrifuge	13 packets	Hettich	67	
49.	Cyclotech Mill (FOSS 1093 sample mill)	01	Spectra-Agritec.		37
50.	Refrigerated Centrifuge (Universal 32 R)	01	Hettich Zentrifungen		38
51.	Deep freeze (-20^{0}C)	01	Mahendra Scientific Instruments		39
52.	HPLC system for amino acid analysis	01	Shimadzu (Spinco Biotech. Pvt. Ltd.)		40
53.	Liquid Scintillation counter (LS 6500)	01	Beckman Coulter		41
54.	Elemental CHON/S analyzer	01	EURO Vector		42

55.	PCR system	01	BIORAD		43
56.	Orbital shaker (Temperature range 5^0C above ambient to 60^0C) (MaxQ 4000)	01	Barnstead Labline		44
57.	Lyopholizer/ Freeze drier	01	Spencers		45
58.	UV-VIS Spectrophotometer (Cary 100 Bio)	01	Varian		46
59.	Deep Freezer (-20^0C) Model No. 1180-SFR-007	01	Spencers		47
60.	Battery & case (Uniline)	01	Uniline		48
61.	Water bath (High precision water bath)	01	MAC		49
62.	Horizontal deep freezer (-20^0C)	01	Shivam Instruments		50
63.	Socs Plus (SCS 4)	01	Pelican equiptments		51
64.	Water Purification System	01	Labconco Corporation		52
65.	Voltage Stabilizer	02	Inline		53
66.	Monitor + CPU (Unicorp)	01			54
67.	Lenovo monitor	01			55
68.	Packed instrument (In suitcase)	01	Millipore		56

6.6.3.8. Global Support

Global Support may assist Universities to organize and undertake activities outside of the Regions by providing a centralized location for administrative resources and a single point of contact for addressing related questions. Does the University maintains functional experts in a range of administrative areas to provide technical advice and guidance in the areas of exchange programmes, visa related issues, International MoUs, collaborative research etc.?

Global support provides tools and guidance for students, faculty and staff which enable them to safely pursue the overseas study, work and research services include pre-departure orientation, one-on-one consultations to discuss individual concerns relating to destination, identities or research topic, outbound visa application assistance and emergency response options.

Our university which happens to be one of the oldest seat of learning on agricultural education and research has signed four memorandum of understanding (MoU) with premier CGIAR institutions like IRRI, Philippines, ICARDA, Alepo, Syria and CIMMYT, Mexico and Kasetsart University, Bangkok for strengthening of research capabilities and capacity building of students and faculty as well the services like technical advise and guidance for changing rules and regulations of the visiting country selection of international institution, research area, visa related matters and health facilities are being carried out by functional expert from Directorate of Research and Nodal Cell (ICAR) in line with our expectations and academic mission.

University has signed the MoU with following Institute for the strengthening of research capabilities in area of crop improvement and development of agro-techniques, capacity building of students and faculty. Global support may assist Universities to organize

and undertake activities outside of the region by providing a centralized location for administrative resources and a single point of contact or addressing related questions. Dose the University maintains functional experts in a range of administrative areas to provide technical advice and guidance in the areas of exchange programmes, visa related issues, international MoUs, collaborative research etc.

MoU signed with International Organisations

S.N.	Date of the MoU signed	Name of the MoU signed
1	13.07.2015	International Rice Research Institute (IRRI), Philippines
2	20.12.2017	ICARDA Aleppo, Syria
3	25.04.2019	Kasetsart University, Bangkok, Thailand
4	11.12.2019	CIMMYT Mexico

6.6.4. Extension Support

6.6.4.1. Extension Council

Mention the present composition of the Extension Council and provide the dates of meetings in last five years in tabular form.

Extension council has been formed including officers of University as per University statutes Chapter XI Section 28 (C-5) and its composition is given in following table:

1.	Section 28 (C-5)	**Dr. D. R. Singh, Vice Chancellor**	**Chairman**
2.	Section 28 (C-5)	Dr. Dhoom Singh, Director Extension	Secretary
3.	Section 28 (C-5)	Deans of all constituent Colleges	Member
4.	Section 28 (C-5)	Dr. H.G. Prakash, Director, Agricultural Experiment Station	Member

The Extension Education Council constituted under the Chairmanship of Vice Chancellor is vested with powers to make recommendations in respect of training of college students in Extension Education, short courses etc. for non-student rural people, preparation of education material for cultivators and programmes for cultivators and their families, rural youth etc. The University is in close contact of the farming community through its KVKs/ZRSs. The various programmes organized by the centres of the University involving farmers provide a platform for regularly obtaining feedback. For meeting the objectives, the University regularly organizes meetings once a year at each KVK. The Scientific Advisory Committee constituted at KVKs under the Chairmanship of Vice-Chancellor include Director Extension, Director Research, Director ATARI and other ICAR institutes, representative of the Doordarshan, All India Radio, farmers, social workers, district level officers of agriculture & allied departments, chief development officer. Head of the KVK worked as Secretary of the SAC. For finalizing the Action Plan and review the progress SAC meetings organized under the

Chairmanship of Vice Chancellor regularly once a year at each KVK. Details of the meetings organized are as under:

Extension Council Meeting conducted during 2015-16 to 2019-20

Name of KVK	2015-16		2016-17		2017-18		2018-19		2019-20	
	Date	P*	Date	P*	Date	P*	Date	P*	Date	P*
1. Aligarh	10.11.2015	38	17.12.2017	42	18.01.2018 10.06.2018	37 40	29.01.2019	45	14.01.2020 11.09.2020	30 37
2. Kasganj	-	-	-	-	22.12.2018	32	20.09.2019	28	22.09.2020	30
3. Hathras	22.08.2016	32	21.01.2017	35	18.11.2017	28	28.01.2019 21.09.2019	24 41	16.09.2020	15
4. Firozabad	22.08.2015	23	17.01.2017	33	11.01.2018	25	29.01.2018	35	13.01.2020	30
5. Mainpuri	26.08.2015	30	16.01.2017	38	20.07.2017	56	22.12.2018	41	04.12.2019	40
6. Etawah	21.08.2015	37	11.11.2016	41	12.01.2018	40	27.12.2018	45	22.10.2019	31
7. Kannauj	18.08.2015	41	17.09.2016	45	04.01.2018	47	28.12.2018	50	26.09.2019	49
8. Farrukhabad	27.08.2015	48	26.01.2016	50	04.01.2018	51	11.10.2019	50	23.12.2019	41
9. Kanpur Dehat	25.11.2016	32	28.10.2017	46	15.02.2018	48	16.03.2019	52	09.09.2020	57
10. Hardoi	22.01.2016	35	23.10.2017	39	08.12.2017	40	21.12.2018	36	10.12.2019	38
11. Lakhimpur	24.08.2015	28	27.12.2017	42	06.01.2018	32	26.02.2019	41	24.10.2019	36
12. Raebareli	22.09.2015	48	18.04.2017	38	19.06.2017	59	28.12.2018	56	04.11.2019	40
13. Fatehpur	27.01.2016	39	23.06.2017	36	02.05.2017	42	20.08.2019	38	09.12.2019	47
Total		**431**		**485**		**577**		**582**		**521**

P* = Number of Participants

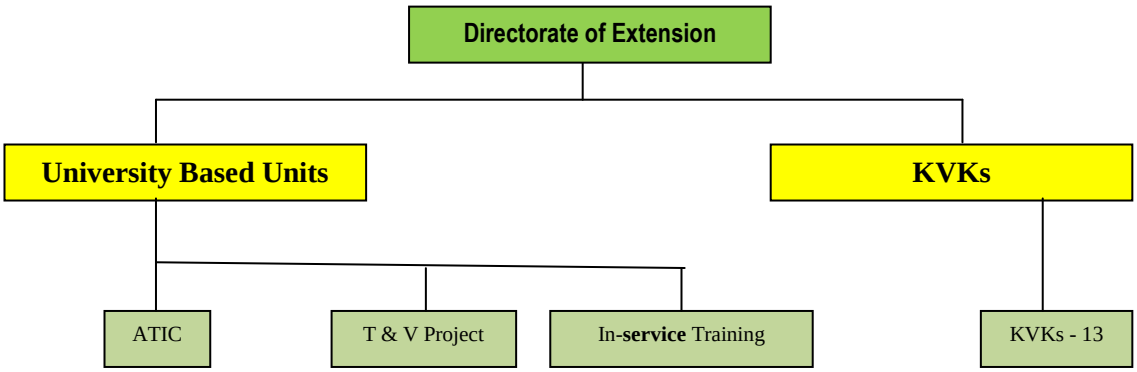
6.6.4.2. Directorate of Extension Education

Give brief information about the present establishment of the Directorate of extension education, staff pattern, KVK and other off-campus extension programmes, extension coordination mechanism, extension and technology dissemination system and contribution in academic programmes.

One of the important mandates of the University is to undertake first line extension activities that may provide technical backup to line departments and may also complement and supplement the existing extension efforts of the line Departments of the State. The entire process is being done for facilitating farming community in their endeavour of earning livelihood from Agricultural Sector.

Organizational Structure: The flow chart provides in detail the organizational set up of the Directorate of Extension at the University level.

Organizational chart of the Directorate of Extension



The Directorate of Extension in this University came into existence during 1975 after establishment of the C. S. Azad University of Agriculture & Technology, Kanpur with the objectives of making provisions of education to rural people of UP in agriculture, rural industry and allied subjects, furthering the frontiers of research in agriculture and allied subjects and for undertaking field extension programmes in districts of its service area (22 districts). However, providing technically feasible, socially acceptable, ecologically sustainable information, get feedback on adoption of new findings and existing area specific problems and pass on to research system and devise ways and means for improving the quality and effectiveness of extension work are the main goals of the Directorate.

Vision

"Self-reliance, healthy rural population with rich agricultural knowledge and good marketing intelligence".

Mission

- To bridge the agricultural technology gap at grass root level.
- To educate rural people and extension functionaries.
- To create awareness about health, hygiene, environment and bio-diversity conservation for sustainable development.
- To link farmers with newly emerging globalized world by providing them information and guidance.
- To develop a system for effective research and extension linkages.
- To generate employment in the field of agriculture and allied disciplines.
- Integration of IT in rural system for speedy development.

Mandate

- Organization of farm advisory services at the doorsteps of the farmers.
- Agricultural technology transfer through different extension

methodologies.

- Imparting trainings for capacity building of human resource.
- Enhance the agricultural vocation.
- Act as a mediator between researcher and farmer to develop demand driven technology.
- Provide services to the farmers through single window delivery system.
- Facilitation in planning, implementation, execution and monitoring of agricultural development.
- Encourage to work in groups at the grass root level for overall development.

To fulfill the above objectives, the Directorate has created following functional units

- Agriculture Information Bureau at Kanpur
- Agricultural Technology Information Centre (ATIC) at Kanpur
- Thirteen Krishi Vigyan Kendra (KVKs), Aligarh, Fatehpur, Raebareli, Etawah, Lakhimpur Kheri, Mainpuri, Kanpur Dehat, Kannauj, Hardoi, Firozabad, Farrukhabad, Mahamaya Nagar, and Kasganj
- In-service training with the State Government funding and Farmers' training programme were the initial extension activities taken up by the Directorate.
- Farmers Scientists Interaction Training Programme.
- Chandra Shekhar Krishak Samiti
- Krishak Help Line Services
- Farmers Fair and Exhibition Organizing Unit

Infrastructure

1. Guest House -03 (25 rooms)+ Kisan Ghar-01 (50 farmers)
2. Training Halls – 03
   i) ***Capacity :*** 200 person
   ii) ***Capacity*** : 50 person (full equipped)
   iii) ***Capacity*** : 30 person (ATIC)
3. Faculty : 10

Establishment of KVKs under jurisdiction area of the University

S.N.	Name of District	Establishment Year
1.	Krishi Vigyan Kendra, Aligarh	1992
2.	Krishi Vigyan Kendra, Fatehpur	1989

3.	Krishi Vigyan Kendra, Raebareli	1984
4.	Krishi Vigyan Kendra, Etawah	2004
5.	Krishi Vigyan Kendra, Lakhimpur Kheri	2004
6.	Krishi Vigyan Kendra, Mainpuri	2004
7.	Krishi Vigyan Kendra, Kanpur Dehat	2004
8.	Krishi Vigyan Kendra, Kannauj	2004
9.	Krishi Vigyan Kendra, Hardoi	2005
10.	Krishi Vigyan Kendra, Firozabad	2005
11.	Krishi Vigyan Kendra, Farrukhabad	2005
12.	Krishi Vigyan Kendra, Mahamaya Nagar	2009
13.	Krishi Vigyan Kendra, Kasganj	2018

Trainings organised by Directorate of Extension 2015-16 to 2019-20

S. No.	Course Name	2015-16		2016-17		2017-18		2018-19		2019-20	
		C*	P**	C*	P**	C*	P**	C*	P**	C*	P**
1.	Training for IAS/PCS probation	02	38	02	110	03	62	01	22	02	40
2.	Training for KVKs Scientist	04	110	05	162	06	192	05	150	06	62
3.	Staff training under DASP	212	625	10	475	-	-	-	-	-	-
4.	Farmers Training under IWMP	15	1500	-	-	-	-	-	-	-	-
5.	Krishak Takniki Prashikshan	14	1330	13	1235	12	1140	12	1140	02	190
6.	Inter State Farmers Training	06	240	05	190	05	210	10	333	12	485
7.	Training on “Soil Helth” at KVKs for farmers	-	-	09	3675	09	3675	-	-	-	-
8.	Diploma course for Input Dealer’s of Kanpur Nagar	-	-	01	40	01	40	01	40	01	40
9.	Training of Farmers under NHM	11	385	10	345	11	390	-	-	-	-
10.	Training on Women Empowerment	-	-	-	-	12	1284	01	60	01	40
11.	All India Farmers Fair Agro-industrial Exhibition	01	31500	01	30000	01	32000	01	35000	01	28000
	Total	**65**	**35728**	**60**	**36162**	**59**	**38993**	**31**	**36745**	**25**	**28857**

C* = Number of Course
P** = Number of Participants

Directorate of Extension has organized 240 training programmes for IAS and PCS probationers, KVK Scientists, extension workers, input dealers and progressive farmers in which 175485 participants participated during the last five years 2015-16 to 2019-2020.

All India Farmer’s Fair & Agro- industrial exhibition organized every year at campus of the University, in which 30000-35000 farmers along with extension workers and scientists visit the stalls arranged by the university, government, organization, Agri-input industries, NGOs and private sectors. Quality seed of improved varieties, tools and implements, sapling

of horticultural crops, bio-fertilizers and pesticides were made available for sale to farmers and visitors.

Number of farmers visited and benefited through Agricultural Technology Information Centre (ATIC) during 2015-16 to 2019-20

S. No.	Year	Number of Farmers visited ATIC	Number of Farmers purchased seed & other products	Number of problems solved through telephone
1.	2015-16	5444	6532	3250
2.	2016-17	5648	6040	4312
3.	2017-18	4364	7235	7532
4.	2018-19	5480	7855	4337
5.	2019-20	5872	9550	6432
	Total	**26,808**	**37,212**	**25,863**

During 2015-16 to 2019-20, a total number of 26,808 farmer/farm women visited ATIC and received technological advice to solve their queries from the university scientists. Total 37212 farmers were purchased seeds of improved varieties and other products. A total of 25863 queries made by farmers on the toll free number 18001805122 of Krishak Helpline Service during five years.

Krishi Vigyan Kendra (KVKs)

Krishi Vigyan Kendra (KVKs) earlier known as Farm Science Centre and recently being re-designated as National Resource Centre, were established by the ICAR and each one act as district HUB for information, vocational training, on farm trial (OFT), front line demonstration (FLD) to disseminate the latest agricultural know-how to the farmers. The KVKs also collaborate with district level line departments, NGOs and several projects sponsored by State/Central Govt. like NICRA, DASP, NHM, IWMP, Nutri-farm etc. At present 13 KVKs are functioning under the administrative control of Directorate of Extension of this university in three agro-climatic zones. Districts falling under the area jurisdiction of the University are Aligarh, Hathras, Firozabad and Mainpuri (Semi Arid Western Zone); Etawah, Farukkhabad, Kannauj, Kanpur Dehat, Fatehpur, Raebareli, Hardoi and Lakhimpur-kheri (Central Plain Zone).

Mandate of KVKs

- Assessment and refinement (OFT) of technologies to location specific problems under various farming situations.
- Organize FLDs to establish the improved agricultural technologies at farmer's field.
- Organize training to update the extension personnel with emerging advances in agricultural research on regular basis.
- Generate self employment.
- Work as resource knowledge centre of agriculture technology for supporting initiative of public, private and voluntary sectors for improving the agriculture economy of the district.

- Create awareness about improved location specific and high return farm technology.
- Production and distribution of quality seed and planting materials.

Specific objectives of KVKs

- Educate the farmers for increasing agricultural productivity and input use efficiency by adopting improved technology.
- Assess, evaluate and refine, various technologies if necessary under complex, diverse and risk prone agriculture system.
- Organize vocational training programmes on "Diversification of Agriculture" like horticulture and nursery management, beekeeping, dairy, poultry, small ruminants, mushroom cultivation, off-season vegetables, medicinal and aromatic plants, craft work, sericulture, post-harvest management and value added products and other relevant areas.
- Protection of crops, vegetables, fruits and medicinal plants in organic mode.
- Rainwater harvesting to conserve natural resources.
- Get first hand scientific feedback from the field and passing it on to research system as backward linkages.
- Provide training support to state development departments and other stakeholders.
- Increase livestock productivity through improvement in breeds of cattle and buffaloes.
- Popularization of backyard poultry farming.
- Provide technology for increasing green fodder availability to the livestock for improving their nutritional status.
- Popularization of low draft improved agricultural implements.
- Develop production technology for spices, medicinal and aromatic plants.
- Improve living standard of villagers/farmers by introducing seed production programme and cultivation of low volume high value crops.
- Development of *in situ* soil and water conservation techniques for maintaining eco-friendly eco-system for human life and sustainable agriculture.
- Impart vocational training in open distance learning mode for self employment of rural youths through centrally designed curriculum of the KVKs.
- Establish functional linkages with the NGOs, government departments, private agencies and other stakeholders.

KVK wise achievements of training programmes conducted during 2015-16 to 2019-20

KVKs	Training for Farmers / Farm Women		Training for Rural Youth		Training for Extension Functionaries		Sponsored training programmes									
							ATMA		NHM		IWMP		NABARD		Other	
	N*	P**	N*	P**	N*	P**	N*	P**	N*	P**	N*	P**	N*	P**	N*	P**
2015-16																
Aligarh	48	1861	3	55	9	213	0	0	0	0	0	0	0	0	04	124
Kasganj	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hathras	53	1897	10	125	10	264	0	0	0	0	0	0	0	0	0	0

Firozabad	64	1746	4	100	8	231	0	0	0	0	0	0	0	0	8	200
Mainpuri	96	1572	8	105	11	499	0	0	0	0	0	0	0	0	4	100
Etawah	136	2750	16	467	7	232	04	60	02	40	0	0	0	0	0	0
Kannauj	101	1763	5	106	13	374	1	100	2	100	0	0	0	0	0	0
Farrukhabad	82	1353	12	187	18	429	10	425	3	148	0	0	2	70	0	0
Kanpur Dehat	90	1778	15	435	14	396	4	164	0	0	0	0	0	0	4	128
Hordoi	101	1763	8	135	13	374	8	200	3	75	0	0	2	50	2	50
Lakhimpur	51	1902	7	144	5	219	0	0	0	0	0	0	0	0	0	0
Raebareli	87	2503	23	632	7	280	0	0	0	0	0	0	0	0		
Fatehpur	114	2261	22	585	9	362	0	0	0	0	0	0	0	0	11	373
Total	**1023**	**23149**	**133**	**3076**	**124**	**3873**	**27**	**949**	**10**	**363**	**0**	**0**	**4**	**120**	**33**	**975**
2016-17																
Aligarh	79	2561	13	216	10	179	0	0	0	0	0	0	0	0	05	184
Kasganj	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hathras	45	1607	10	181	5	81	0	0	0	0	0	0	0	0	0	0
Firozabad	66	1409	7	202	7	193	0	0	0	0	0	0	0	0	8	200
Mainpuri	95	2500	11	191	8	200	0	0	0	0	0	0	0	0	112	2230
Etawah	129	4044	15	386	5	302	05	80	01	35	04	400	0	0	0	0
Kannauj	106	2830	7	166	8	312	0	0	23	150	0	0	0	0	6	1380
Farrukhabad	77	1755	17	289	9	215	8	375	4	207	0	0	1	35	0	0
Kanpur Dehat	95	2778	15	347	8	270	4	172	0	0	0	0	0	0	4	137
Hordoi	103	2754	11	212	8	292	11	297	4	108	0	0	2	54	4	108
Lakhimpur	58	1909	10	241	3	150	0	0	0	0	0	0	0	0	0	0
Raebareli	88	2750	25	632	8	352	0	0	0	0	0	0	0	0	0	0
Fatehpur	111	2875	28	692	8	315	86	0	0	0	0	0	0	0	15	269
Total	**1052**	**29772**	**169**	**3755**	**87**	**2861**	**114**	**924**	**32**	**500**	**4**	**400**	**3**	**89**	**154**	**4508**
2017-18																
Aligarh	57	1401	10	148	7	210	0	0	0	0	0	0	110	2200	04	175
Kasganj	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hathras	39	961	8	80	7	128	0	0	0	0	0	0	0	0	0	0
Firozabad	85	2007	8	142	10	301	0	0	0	0	0	0	0	0	8	200
Mainpuri	75	1502	7	70	7	161	0	0	0	0	0	0	0	0	48	960
Etawah	84	2242	9	181	0	0	20	500	25	611	0	0	0	0	0	0
Kannauj	84	1793	3	36	9	267	2	200	0	0	0	0	0	0	7	1545
Farrukhabad	66	1289	12	158	13	226	12	480	3	188	0	0	2	75	0	0
Kanpur Dehat	78	2044	10	209	10	246	5	174	0	0	0	0	0	0	4	141
Hordoi	86	2130	10	150	11	302	6	90	2	30	0	0	1	15	2	30
Lakhimpur	61	1529	2	52	6	156	0	0	0	0	0	0	0	0	0	0
Raebareli	72	2201	18	590	6	158	0	0	0	0	0	0	0	0	0	0
Fatehpur	95	2201	18	503	7	185	96	0	0	0	0	0	0	0	11	300
Total	**882**	**21300**	**115**	**2319**	**93**	**2340**	**141**	**1444**	**30**	**829**	**0**	**0**	**113**	**2290**	**84**	**3351**
2018-19																
Aligarh	91	2806	18	435	9	146	0	0	04	132	0	0	0	0	06	131
Kasganj	35	1384	13	269	3	54	0	0	0	0	0	0	0	0	0	0
Hathras	63	1920	18	304	9	146	0	0	0	0	0	0	0	0	0	0
Firozabad	95	2607	19	376	14	239	0	0	0	0	0	0	0	0	8	200
Mainpuri	84	2103	16	284	8	175	0	0	0	0	0	0	0	0	60	830
Etawah	36	1342	18	312	7	109	0	0	0	0	0	0	0	0	0	0
Kannauj	89	2290	17	334	7	216	2	200	0	0	0	0	0	0	7	495
Farrukhabad	95	2322	22	356	18	240	9	411	5	248	0	0	2	80	0	0
Kanpur Dehat	88	2640	21	449	11	271	4	156	0	0	0	0	0	0	4	146
Hordoi	99	2805	19	354	13	260	8	128	3	48	0	0	0	0	3	48
Lakhimpur	67	2299	13	277	4	132	0	0	0	0	0	0	0	0	0	0
Raebareli	108	2509	21	590	8	253	0	0	0	0	0	0	0	0	0	0
Fatehpur	100	2557	15	734	12	219	87	0	0	0	0	0	0	0	30	495
Total	**1050**	**29584**	**230**	**5074**	**123**	**2460**	**110**	**895**	**12**	**428**	**0**	**0**	**2**	**80**	**118**	**2345**
2019-20																
Aligarh	87	2558	8	203	6	110	01	493	0	0	0	0	0	0	05	75
Kasganj	33	964	7	98	10	187	0	0	0	0	0	0	0	0	0	0
Hathras	46	1238	8	70	7	151	0	0	0	0	0	0	0	0	0	0
Firozabad	49	1141	7	118	5	106	0	0	0	0	0	0	0	0	8	200
Mainpuri	79	1503	8	70	7	175	0	0	0	0	0	0	0	0	56	790
Etawah	54	1250	7	80	6	191	0	0	0	0	0	0	0	0	0	0
Kannauj	80	1529	7	90	8	181	1	100	0	0	0	0	0	0	9	899
Farrukhabad	53	1912	8	78	11	174	4	157	2	89	0	0	1	30	0	0
Kanpur Dehat	82	2056	12	248	11	278	5	165	0	0	0	0	0	0	4	151
Hordoi	85	2045	12	275	23	791	42	1890	5	225	0	0	2	90	6	270
Lakhimpur	39	1157	9	119	2	93	0	0	0	0	0	0	0	0	7	175
Raebareli	74	2407	20	682	9	165	0	0	0	0	0	0	0	0	0	0
Fatehpur	120	2479	27	802	14	467	112	0	0	0	0	0	0	0	20	600
Total	**881**	**22239**	**140**	**2933**	**119**	**3069**	**165**	**2805**	**7**	**314**	**0**	**0**	**3**	**120**	**115**	**3160**
Grand Total	**4246**	**103377**	**542**	**11923**	**546**	**13492**	**557**	**7017**	**91**	**2434**	**4**	**400**	**125**	**2699**	**504**	**14339**

N*= Number of Trainings
P**= Number of Participants

Trainings

- Total number of 4888 training programme were conducted by KVKs with participations of 126044 farmers & farm women during 2015-16 to 2019-2020.
- Total number of 787 training programme were organized for rural youths by KVKs in which 17157 rural youth participants were trained during five years.
- A total of 546 training programme were organized for extension personnel by KVKs in which 14603 participants.

Extension activities organized by KVKs during 2015-16 to 2019-20

Name of Activity	2015-16		2016-17		2017-18		2018-19		2019-20	
	No. of Activities	No. of farmers	No. of Activities	No. of farmers	No. of Activities	No. of Farmers	No. of Activities	No. of Farmers	No. of Activities	No. of Farmers
Advisory Services	394	10441	522	9285	523	8392	586	13381	594	12317
Diagnostics Visit	510	3002	541	3032	494	3448	559	3502	719	3624
Scientist Visits	1097	7698	982	6242	1001	6882	960	6186	1015	5439
Animal Health Camp	8	868	9	1339	14	1696	12	1192	18	1130
Exposure Visit	28	1078	23	1400	28	1389	106	2420	100	1803
Farmer's Visit KVKs	777	10605	715	8471	645	9952	729	9721	759	10938
Krishak Gosthies	256	20725	240	23890	203	29424	264	28447	297	33422
Field Days	114	5503	126	5220	172	7345	160	6819	147	6055
Kisan Mela	54	21190	61	19220	38	19221	49	24294	49	34747
Special day celebration	61	8737	54	4691	386	10320	45	7360	42	5751
Total	**3299**	**89847**	**3273**	**82790**	**3504**	**98069**	**3470**	**103322**	**3740**	**115226**

FLDs organised by KVKs during 2015-16 to 2019-20

S.No.	Year	Pulses		Oil seeds		Other Food grain		Horticulture	
		Area (ha.)	No. of Demo	Area (ha.)	No. of Demo	Area (ha.)	No. of Demo	Area (ha.)	No. of Demo
1.	2015-16	301.50	861	777.45	2025	215.90	809	163.2	788
2.	2016-17	1455.84	3980	84.90	2182	657.37	2896	170.2	855
3.	2017-18	573.00	1462	498.00	1126	140.00	524	80.0	316
4.	2018-19	425.00	1155	255.00	623	144.00	412	112.0	472
5.	2019-20	102.80	1093	415.00	1008	207.90	725	135.62	610
	Total	**3158.14**	**8551**	**2786.35**	**6964**	**1365.17**	**5366**	**661.02**	**3041**

Front line demonstrations on pulses (3158.14 ha), oilseeds (2786.35 ha), cereals (1365.17 ha) and horticultural crops (661.02 ha) were organized on 23,922 farmer's field.

On Farm Trials organised by KVKs during 2015-16 to 2019-20

S.No.	Year	Agriculture Production		Animal Production		Total	
		No.	Farmers	No.	Farmers	No.	Farmers
1.	2015-16	79	418	16	72	95	490
2.	2016-17	84	480	12	69	96	549

3.	2017-18	91	427	07	65	98	492
4.	2018-19	101	569	09	72	110	641
5.	2019-20	98	505	08	68	106	573
	Total	**453**	**2399**	**52**	**346**	**505**	**2745**

KVKs of University conducted on Farm trials in major thematic areas. 505 technologies were tested with involvement of 2745 farmers during 2015-16 to 2019-20 on crop production, horticultural crop and Animal Husbandry.

KVK wise Adopted Villages during 2015-16 to 2019-20

S. No.	District	Division	Block	Adopted Village
1.	Aligarh	Khair, Koil, Iglas, Khair, Atrauli, Gabhana Koil, Atrauli, Gabhana Khiar, Koil, Atrauli, Gabhana Kair, Koil	Khair, Tappal, Jawan, Lodha, Iglas Khair, Atrauli, Chandous Lodha, Atrauli, Chandous Khiar, Lodha, Atrauli, Chandous Khair, Lodha, Dahnipur	Manpur, Keelpur Mathna, Dhanua Nagla, Mukut Garhi, Paharipur, Bailoth, and Manpur, Govali, Panihawar Dhaura Palan, Govali and Panihawar Manpur, Dhaura Palan, Govali and Panihawar Manpur, Gomat, Shiwala, Fatehgarhi, Dhaura Palan, Govali, Panihawar and Barouth
2.	Kasganj	Aligarh	Kasganj	Afazalpur, Tikampura, Beri, Harnampur, Nangla Peepal, Fatehpur, Mousampur, Shirawali, Chakeri
3.	Hathras	Hathras, Sadabad Sasni,	Hathras, Sadabad, Mursan, Sasni,	Ahbaranpur, Khonda, Nagla Gallia, Khorna,
4.	Firozabad	Tundla	Tundla	Dinoli, Hazratpur, Momdabad, Kheriya, Usaini
5.	Mainpuri	Mainpuri, Kurawali, Bhogao, Bewar	Mainpuri Sadar, Kurawali, Sultangang, Bewar, Karhal, Ghiror	Nagla Jhala, Nagla Ani, Balarpur Ramnagar , Badan pur, Rajpura, Bhadura, sujapur, Pal, Ramnagar, Ahirwa, Mirjapur, Bhashuahar, Barahar, Nagla Takan , Barapur, Bagpur, Manikpur, Auchha
6.	Etawah	Baba Ka Nagala, Chandanpur, Kakarpur, Jugsaura, Birari, Chitawani, Bina, Sadar, Takha, Bhrathana	Barhpura, Jashwant Nagar, Bharthana, Saifai, Basrehar, Takha, Mahewa, Chakarnagar	Nagala Kothi, Bhadapura & Kandhani, Nagala Ram Lal, Jainpur Nagar & Nagala Chhatte, Bhawanjpura, Jagmohanpura, Sihuan, Khushhalpur& Nagala Karan, Kharkouli and Tulsipur, Bhuta, Gangapura, Naglachatur & Sultanpura, Kunaira, Ekdil, Khera Ajab singh, Manikpurbisu, Bhadpura, Deshar mau, Chandanpur, Kakarpur , Naglapattu, Dariyan Daulatpur, Piprauli gardiya, Gadakasda, Chakarnagar, Kindauli, Rajpur, Nagla Karan, Belahar, Parasurampur, Naglachatur, Nagla lote, Takha, Narainpura, Neel Devata, Nawada Khurd, Vyaspura, Mukutpura
7.	Kannauj	Kannauj,	Kannauj, Jalalabad, Chhibramau, Talgram, Haseran	Basirapur, Madhopur and Prempur, Musari, Daipur, Nandupur, Bhawanipur, Digsara and Hardevpurwa, Reri Rampur, Pachpukhara, Nekpur, Badlepurwa, Mahmudpur , Bashirapur Bhat, Dhuundhapurwa
8.	Farrukhabad	Sadar, Kaimganj	Barhpur, Kamalganj, Mohamdabad, Shamsabad	Naglajaitpur, Gutasi, Janaiya sathaiya, Khanpur, Gadhiya, Nayamatpur Thakuran, Chauki mahmadpur, Dahaliya, Murhas, Alaipur, Kuberpur
9.	Kanpur Dehat	Maitha	Maitha	1.Phoolpur and 2. Bakharia-Jhamma Nivada
10.	Hordoi		Bawan,Sursa,Bilgram, Kothwan, Hariyawan Pihani, Behender Bharkhani, Ahirori Madhoganj	Darbespur, Nijampur, Barkhera, Etauriya, Mujahidpur, Barailla, Bagaha, Rukmanapur, Tatyora Kasarawa, Saraiya, Asauli, Kundrauli , Pasner, Phatepur, Karigawan Barra, Akhripurva, Jamui, Baghadada, Raison, Daulatpur, Ratnapur, Bhailamau, Sadikamau, Armi Sakatpur
11.	Lakhimpur Kheri	Lakhimpur, Gola, Dha	Lakhimpur,Behjam,Gola, BIjua,Ishanagar,Phoolbeh	Piprakaramchand, Panditpurwa, Sujaikunda, Behta, Aithapur, Kishunuapur, Guthunabujurg, Sheetalapur,

		Urahara, Palia, Nighasan	ar,Ramiabehar,Palia,Nighasan	Behta, Baharganj, Mamri, Biharipur, Paharpur, Sakethu, Sikatiha, Bargadiya, Bankati, Gubraula,Sedabeda, Baithia, Maharajnagar, Raipurghunsi, Mudiakheda, Bhansariya, Banwaripur, Jamunaha, Kaladund, Lagucha, Bhoolanpur, Bachhepara, Chafandi,
12.	Raebareli	1	16	Ashanandpur, Mohideenpur, Naikani Ka Purva, Hewtaha Newadiya, Udava, Pure Ummed, Kasarawan, Barsawan, Sultanpur Aiema, Ahmedpur, Bala, Moan, Tuk, Rajamau, Sehngo, Daulatpur, Jogmagdipur, Sanhu Kuwan, Gaura, Narsawan, Khajoor Gaon, Paho, Pure Daulat, Etaura Bujurg, Gang Sri,
13.	Fatehpur	3	13	Musaipur, Korsam, Sarki, Jaisinghpur, Katoghan, Hasanpur, Sujanipur, Kunwarpur, Peri, Patti shah, Mauhar, Bhatpurwa Hasanpur,Katoghan, Sujanipur, Kunwarpur, Peri, Pattishah, Satonjoga, Mauhar, Bahtpurwa,Aung,Jaisinghpur Peri, Pattishah, Satonjoga, Mauhar, Bahtpurwa, Karamchandrapur, Bastapur, Kandhiya, Satojoga,Texari Bujurg, Hasanpur, Bharatpur Bahtpurwa, Karamchandrapur, Bastapur, Kandhiya, Satojoga, Datauli, Sakha, Kusumbhi, Thariaon, Jukuru, Katoghan,Sakha, Aung, Tarapur, Aswar

KVK wise number of On Farm Trials conducted during 2015-16 to 2019-20

Sl.	**KVK**	**Thematic areas**											
		Varietal Evaluation		**INM**		**IWM**		**IDM**		**IPM**		**RCT**	
		Crop	**T***	**Crop**	**T***	**Crop**	**T***	**Crop**	**T***	**Crop**	**T***	**Crop**	**T***
1.	Aligarh	8	189	4	26	0	0	3	63	0	0	2	8
2.	Kasganj	1	2	0	0	0	0	0	0	0	0	0	0
3.	Hathras	2	3	2	3	1	3	1	3	1	3	2	3
4.	Firozabad	6	24	5	21	1	3	4	15	2	6	1	3
5.	Mainpuri	2	10	7	65	0	0	2	10	2	15	3	15
6.	Etawah	11	53	10	50	4	20	8	40	5	30	3	12
7.	Kannauj	3	136	3	105	2	36	1	110	3	55	4	150
8.	Farrukhabad	11	53	8	40	0	0	2	10	3	15	2	8
9.	Kanpur Dehat	17	51	10	30	9	27	11	33	16	48	4	12
10.	Hordoi	4	98	4	60	3	74	3	46	4	45	1	12
11.	Lakhimpur	7	35	0	0	1	4	5	25	6	30	2	10
12.	Raebareli	9	44	4	16	5	21	4	16	6	24	0	0
13.	Fatehpur	8	31	0	0	1	3	3	9	0	0	0	0
	Total	**89**	**729**	**57**	**416**	**27**	**191**	**47**	**380**	**48**	**271**	**24**	**233**

T*= No. of On Farm Trials

First line demonstration conducted by KVKs during 2015-16 to 2019-20

S. N.	Name of the Centre	Pulses		Oilseeds		Cereals		Vegetables		Fruits		Live stock	
		No. of Demo	Area (ha)	No. of Demo	Area (ha)	No. of Demo	Area (ha)	No. of Demo	Area (ha)	No. of Demo	Area (ha)	No. of Demo	No. of live stock
1.	Aligarh	399	175	253	103	158	86	147	46	0	0	0	0
2.	Kasganj	72	31.8	205	102	73	20.4	0	0	0	0	0	0
3.	Hathras	75	30	100	110	75	30	20	0.5	0	0	50	100
4.	Firozabad	361	147	425	170	125	50	18	3.30	0	0	70	70
5.	Mainpuri	563	240.4	533	251.4	208	39.6	137	12.39	33	1.64	8	187
6.	Etawah	513	175.15	630	317	211	52.2	123	10.63	4	0.8	131	286
7.	Kannauj	323	148.4	217	64.2	245	46.6	803	205.37	0	0	161	8.63
8.	Farrukhabad	64	261	120	560	156	786	29	176	0.5	3	5	10
9.	Kanpur Dehat	686	310	615	220	385	121	225	70	0	0	90	788
10	Hordoi	955	247.2	536	195.8	333	107.7	122	22	0	0	117	200
11	Lakhimpur	147	46	172	64	350	97	320	105	240	62	30	347
12	Raebareli	1209	340.2	555	201	205	86.4	173	35	56	12.5	1394	831
13	Fatehpur	585	443.5	180	130	140	74.5	22	2	0	0	393	40.6

KVK wise production of planting material and seed during 2015-16 to 2019-20

KVKs	2015-16		2016-17		2017-18		2018-19		2019-20	
	Planting material (Number)	Seed produced (qt)	Planting material (Number)	Seed produced (qt)	Planting material (Number)	Seed produced (qt)	Planting material (Number)	Seed produced (qt)	Planting material (Number)	Seed produced (qt)
Aligarh	35800	400	30000	410	37000	451.6	36500	24.5	37760	24.00
Kasganj	0	0	0	0	0	0	0	116.12	0	163.44
Hathras	0	0	0	0	0	0	0	0	0	0
Firozabad	11500	0	6000	0	10596	0	14700	0	14750	0
Mainpuri	27550	0	30120	0	21500	0	21026	0	21026	0
Etawah	1600	3.30	3000	0	5000	0	2000	0	3500	0
Kannauj	34532	38	15200	70	28340	66	21600	40	23200	0
Farrukhabad	0	30.25	2955	0	16885	0	22650	0	19020	0
Kanpur Dehat	25280	44.48	26100	54.00	28700	59.00	57100	62.00	112930	64.00
Hordoi	20000	120	20000	110	14500	125	20500	130	15000	120
Lakhimpur Kheri	5000	228.7	5000	117.9	2200	156.2	20000	147.5	9000	76.5
Raebareli	22000	163.30	21500	81.95	7000	13.30	20000	66.90	19700	0.00
Fatehpur	4200	161.27	4550	196.98	6950	179.13	6250	39	7190	218.9

KVK wise number of soil samples analyzed during 2015-16 to 2019-20

Name of the KVK	Soil samples analyzed				
	2015-16	2016-17	2017-18	2018-19	2019-20
Aligarh	492	83	265	715	430
Kasganj	0	0	0	0	0
Hathras	35	50	50	100	100

Firozabad	140	75	378	275	150
Mainpuri	1021	1180	582	383	359
Etawah	1255	1564	852	0	0
Kannauj	51	65	71	49	56
Farrukhabad	525	110	85	118	118
Kanpur Dehat	1115	1185	1282	1341	1450
Hordoi	500	0	800	900	900
Lakhimpur Kheri	50	100	110	175	0
Raebareli	250	380	470	390	450
Fatehpur	475	1990	1220	1225	1470
Total	**5909**	**6782**	**6165**	**5671**	**5483**

6.6.4.3. Extension Planning and Technological Impact

In what way the extension planning help to support enterprises in adopting and deploying new technologies and in commercializing innovations? What is the mechanism in place to study the technological impact?

Extension planning comprising of workshop planning meeting, brainstorming session, and group interaction has helped to support enterprises in adopting and deploying new technologies. This has also helped in commercialization of innovations. Questionnaire based survey and secondary data collected from the Government is the mechanism in place to study the technological impact.

Technological impact in the different district under university jurisdiction area

1.	Aligarh	Popularization of Machan system planting and staking in tomato. Area expansion - 7600 ha
2.	Kasganj	Popularization of Azad pea-3 high demanding variety of vegetable pea. Area expansion - 1800 ha
3.	Hathras	Aonla area expansion due to reclamation of sodic soil area – 1950 ha
4.	Firozabad	Hybrid varieties of Shimla mirch Indosem and Seming -1865 & Achar mirch Indosem 6142 were introduced in the district and area expand 1800/ ha
5.	Mainpuri	Introduced summer groundnut variety T837A demonstrated at farmer's field. Area expansion – 36000 ha
6.	Etawah	Scented variety of Rice PB-1509 and PB 1121 demonstrated at Farmer' field due to this large area of these varieties adopted by farmer's near about 2,70,000 ha
7.	Kannauj	Control of *black scurf* of tomato through Trichoderma, Monsoran, Meerador and Carbendazim treatment. Area expansion – 25,300 ha
8.	Farrukhabad	Maize sowing on ridges in *Zaid* and *Kharif* season. Area expansion – 20,000 ha
9.	Kanpur Dehat	Demonstration of most suitable variety CSR-36 and CSR-43 of paddy in saline soil. Area expansion - 1600 ha
10.	Hordoi	Increased production and area of Kheera cultivation through Machan method variety Kalyanpur Hara. Area expansion – 17,600 ha
11.	Lakhimpur Kheri	Sugarcane sowing by trench method in the district increased area expansion 1,22,00 ha
12.	Raebareli	Farmers of Raebareli district sowing wheat crop by top dressing causing low productivity of wheat. KVK popularize line sowing by seed drill. Area of line sowing increased nearly 12,000 ha
13.	Fatehpur	Popularize in production in *Kharif* season through high yielding variety Agri-found dark red – 25000 ha area covered in the district.

		Banana Variety G-9 saplings produced through tissue culture popularizes in the district and area increased up to 5000 ha.

6.6.4.4. Implementation of National Initiatives

Mention the status of implementation of Student Ready, green initiatives, Farmers First Scheme, Mera Gaon Mera Gaurav, NICRA and other similar schemes.

Pre-Kharif / Pre-Rabi Campaign

All KVKs organized pre Kharif–Rabi campaign in district with the financial support of ICAR. KVKs also organized farmers fair / exhibition, meeting so that new technologies can reached to farmers. Vocational training on apiculture, dairy, poultry, piggery, nutrition garden, vermin composting and soil testing etc. were conducted for empowering the socio-economic condition of the youth and women of the village.

PPVFRA (Protection of Plant Varities and Farmer's Right Act.)

All KVKs organized one day Trainings and Awareness Programme to educate the progressive farmers about the ***Protection of Plant Varities and Farmer's Right Act-2003.*** In this programme rules for registration of farmer's varieties, its process, legal requirements and farmers right were discussed. The progressive farmers were also educated regarding available local land races, widespread traditional varieties and technologies in the districts. The use of these registered varieties for commercial purpose by any seed producing company is only possible after permission of the concerned breeder.

World Soil Health Day

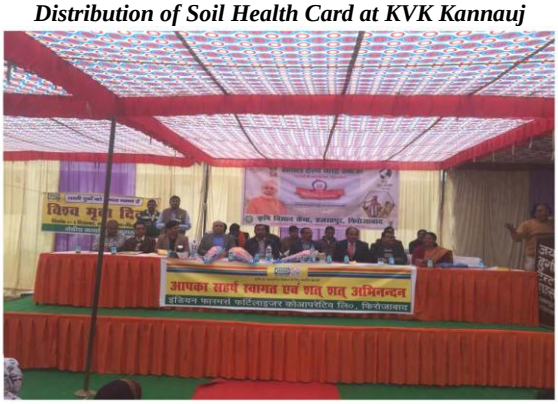
University KVKs organize world **Soil Health Day** on 5th December every year. In this programme K.V.K. distributed soil health card to the farmers through the local MLA, MP other dignitaries. Total 39755 Soil Health Cards have been distributed by the KVKs.

Soil Health Day at KVK, Aligarh

Soil Health Day at KVK, Kannauj

Soil Health Day at Farrukhabad

Distribution of Soil Health Card at KVK Kannauj



Soil Health Day at KVK, Firozabad

Glimpses of the celebration of 'World Soil Health Day' on 05.12.2017 by different KVKs

National Initiatives on Climate Resilient

One village or a cluster of villages from Hamirpur and Jhansi districts were selected for this purpose by the KVKs. At districts level the selected KVKs are responsible for implementing the project at village level thorough participatory approaches under the programme the interventions whereas level only to address climate related ones and to general agriculture develop by six modalize natural resources management crop production, livestock and fisheries.

Sankalp se Siddhi Programme

Sankalp se Siddhi (attainment through resolve) Programme was started in 2017 on the initiative taken by Hon'ble Prime Minister. In this programme every KVKs of our university have to organize one programme on 2nd Oct., 2017 Mahatama Gandhi Jayanti.

Nearly 10500 farmers were selected for participation by respective KVKs and take the Sankalp for doubling the farmers income by end of 2022.

Pradhan Mantri Phasal Bima Yojna

This programme was started in 2017 with new guideline in ***Phasal Bima***. About 12000 farmers participated in this programme organized for the awareness of new guidelines of ***Phasal Bima Yojna***. People representative and district administration, Hon'ble MPs, MLAs, DMs and CDOs participated in this programme for successful execution of new crop insurance scheme. Extension folder (26) were distributed in this programme amongst the farmers.

Jalshakti Programme

26 Jalshakti Awareness programme and plantation programme were successfully organized by KVKs. Five hundred farmers participated in this programme. Literature regarding different methods of soil and water conservation and water harvesting structure to enhance water use efficiency were distributed amongst all the participants. This programme was organized in coordination with district and line department's officials.

Swachchhta Abhiyan

Swachh Bharat Abhiyan is the most significant mission of Indian History. It is a 'cleanliness drive' campaign, initiated by the Prime Minister, Narendra Modi on October 2, 2014, to commemorate the vision of Mahatma Gandhi.

The ***Swachh Bharat Abhiyan*** is a national level campaign. It was initiated by the Indian Government to clean all the backward statutory regions, rural and urban cities, and towns. This campaign includes the promotion of health and sanitation programs in the rural areas, cleaning of roads and streets, construction of infrastructure, and building of restrooms in the rural areas. The overall campaign was initiated to create awareness among people.

One day ***Swachchhta Abhiyan*** in each month were organized in our 13 KVKs. Nearly 470 programmes has been organized and 23400 farmers were directly involved in ***Swachchhta Abhiyan***.

Photographs of Swachchhta Abhiyan

Photographs of Swachchhta Abhiyan

Photographs of Jal shakti Abhiyan, CSAU, Kanpur

6.6.4.5. Innovation and Best Practices

What are the innovative efforts of an institution that help in its excellence in extension?

Use of farmer's saved seed (85–90 %) is one of the important features in Central Plain Zone and Southern Western Zone. The University is trying to improve quality of farmers saved seed and increase seed replacement ratio. This has helped its excellence in extension.

Year-wise Extension Activities organised by KVKs during 2015-16 to 2019-20

Year	Field days		Kisan Gosthies		Kisan Mela	
	No.	Participants	No.	Participants	No.	Participants
2015-16	148	8975	254	32420	18	32554
2016-17	132	7995	222	28785	18	29872
2017-18	120	7542	160	19652	12	11980
2018-19	125	7980	172	22356	13	14942
2019-20	128	8240	168	23315	13	19865
Total	**653**	**40,732**	**976**	**1,26,528**	**74**	**1,09,213**

Under the extension activities, a total number of 653 field days were organized in which 40,732 farmers participated. 976 ***Kisan Gosthies*** and 74 ***Kisan Mela*** were organized in which 1,26,528 and 1,09,213 farmers participated, respectively during 2015-16 to 2019-20.

FLDs organised by KVKs during 2015-16 to 2019-20

Year	Pulses		Oil seeds		Other Food grain		Horticulture	
	Area (ha.)	No. of Demo	Area (ha.)	No. of Demo	Area (ha.)	No. of Demo	Area (ha.)	No. of Demo
2015-16	301.50	861	777.45	2025	215.90	809	163.2	788
2016-17	1455.84	3980	84.90	2182	657.37	2896	170.2	855
2017-18	573.00	1462	498.00	1126	140.00	524	80.0	316
2018-19	425.00	1155	255.00	623	144.00	412	112.0	472
2019-20	102.80	1093	415.00	1008	207.90	725	135.62	610
Total	**3158.14**	**8551**	**2786.35**	**6964**	**1365.17**	**5366**	**661.02**	**3041**

6.6.4.6. Consultancy/Certification/Testing

Mention about the resources generated through Consultancy/Certification/ Testing etc. in last five years. Give details of all activities. Give summary of participation of faculty in Consultancy/Certification/Testing and outreach programmes.

Recourse Generation through Consultancy/Certification/Testing

The year-wise details of resources generated by the university through Consultancy/ Certification/ Testing etc. during last five years is enumerated below:

Year	Grant received through Consultancy/Certification/Testing (Rs. in Lakh)
2015-16	32.25
2016-17	98.76
2017-18	55.42
2018-19	68.89
2019-20	38.25
Total	**293.57**

Year-wise details of resource generation from different sources along with funding agency

2015-16

S.N.	Funding Agency	Experiment	Crop	Budget (Lakh)
1.	Willowood Chemicals Pvt. Ltd	Evaluation of Bio-efficacy and Phyto-toxicity of WCPL 240 (coded Product) against major insects	Groundnut	3.00
2.	Bioseed Research India, Hisaar	Testing of Bioseed Bt cotton Hybrids Bio-100 BGII96165-2BGII)2-Bio-105 BGII	Cotton	6.00

		(846-2BGII) and Yuva Plus 9841-2)		
3.	Shri Ram Fertilizer and Chemicals Pvt. Ltd	Testing of Bt Cotton Variety 6588 BGII	Cotton	2.00
4.	Bayer Crop Science	Testing on Perl-millet crop	Millet	1.50
5.	Bayer Crop Science	Testing on Tetraniliprole 480 FS effect on Maize	Maize	1.75
6.	Willowood Chemicals Pvt. Ltd	Carfentrazone Ethyl 120% DF Salfosulfuron 25%WG	Wheat	3.00
7.	Willowood Chemicals Pvt. Ltd	Carfentrazone Ethyl 140% DF	Wheat	3.00
8.	Dow Agro Science	Evaluation of Halauxifin-methyl 6/95% w/w + Pyroxsulam 25%w/w WG for broad sprectum weed control in Wheat	Wheat	5.00
9.	SNF Pvt. Ltd	Testing of Aquasorb Hydrogel on growth and yield attributes in Hybrid Maize	Maize	1.75
10.	Monsanto Pvt. Ltd.	Testing the performance of Hybrid Maize	Maize	5.25
Total				**32.25**

2016-17

S. No.	Funding Agency	Experiment	Crop	Budget (Lakh)
1.	SDS Ramcides crop science Pvt. Ltd	Evaluation of SR-316 against Sheeth blight & false smut in Rice	Rice	3.50
2.	SDS Ramcides crop science Pvt. Ltd	Evaluation of SR-305 against Tikka Leaf spot and rust in Groundnut	Groundnut	3.50
3.	Sarswati Agro chemical Pvt. Ltd	Atrazin 50% WP on Maize crop to control the weeds	Maize	4.75
4.	Willowood Chemicals Pvt.Ltd	Bio-efficacy testing of RS 2000 in Onion	Onion	4.00
5.	Willowood Chemicals Pvt. Ltd	Evaluation of Bio-efficacy of FOMESAFEN 11.1% w/w + FLUAZIFOP - P-BUTYL 11.1 % w/w SL against weeds	Groundnut	5.00
6.	Willowood Chemicals Pvt. Ltd	Evaluation of Bio-efficacy of GLUFOSINATE AMMONIUM 13.5% SL (155W/V)	Cotton	5.00
7.	Willowood Chemicals Pvt. Ltd	Evaluation of Bio-efficacy of OAH56	Non Crop Area	2.00
8.	SDS Ramcides crop science Pvt.Ltd	Evaluation of SR-305 against fruit rot in Chilli	Chilli	3.50
9.	SDS Ramcides crop science Pvt.Ltd	Evaluation of SR-305 against Early and late blight in Potato	Potato	3.50
10.	SDS Ramcides crop science Pvt.Ltd	Evaluation of Pyrazosulfuron Ethyl 10% against Grass, Sedge and Broad	Rice	3.75
11.	Bayer Crop Science	Testing on Tetraniliprole 480 FS On Maize	Maize	3.50
12.	Insecticides India Ltd Delhi	Evaluation of Quizalofop Ethyl 7.5% + Imazethapyr 15% EC against Weeds in Groundnut	Groundnut	5.50
13.	Bayer Crop Science Pvt Ltd	Evaluation of Flubendiamide 39.35%w/ wSC in Mentha Crop against major Lepidopterans	Mentha	5.75
14.	National Innovation Foundation – India	Performance Evaluation of Farmers paddy	Paddy	2.16

15.	Acadian Plant Health	Effect of ASL-Seaweed+Humic GR on growth and yield of paddy	Paddy	1.50
16	Bayer Crop Science	Testing of Bayer Millet hybrid-9001 (2nd year)	Pearl Millet	1.75
17	PHI Seeds Pvt.Ltd	Testing of Millet hybrid	Pearl Millet	3.50
18	Bisco Bio Science	Testing of Millet hybrid	Pearl Millet	3.50
19.	Willowood Chemicals Pvt.Ltd	Carfentrazone Ethyl 120% DF Salfosulfuron 25%WG	Wheat	3.00
20.	Willowood Chemicals Pvt.Ltd	Carfentrazone Ethyl 140% DF	Wheat	3.00
21.	Dow Agro Science	Evaluation of Halauxifin methyl 6/95 % w/w+Pyroxsulam 25% w/w	Wheat	5.00
22.	Willowood Chemicals Pvt.Ltd	Bio-efficacy testing of AKJ-20 against weeds of Wheat Crop	Wheat	5.00
23.	Willowood Chemicals Pvt.Ltd	Testing on Wheat Seed Treatment	Wheat	5.00
24.	Rasi Seeds (P)Ltd.	Comparative study of Mustard Variety	Mustard	1.75
25.	Dow Agro Science	Evaluation of Halauxifin methyl 1.21% w/w+ Fluroxypyr meptyl 38.9% w/w EC for Wheat crop	Wheat	5.00
26.	Novazymes South Asia Pvt.Ltd	Agronamical field studies with biological products on Wheat	Wheat	1.85
28.	SNF Pvt. Ltd	Testing of Aquasorb Hydrogel on hybrid Maize to evaluate effect on growth and yield attributes	Maize	1.75
29.	Monsanto Pvt. Ltd.	Testing Spring corn hybrids Summer 2017	Maize	1.75
Total				**98.76**

2017-18

S.N.	Funding Agencies	Experiment	Crop	Budget
1.	PHI Seed Pvt Ltd	Testing of Pearl millet hybrid	Pearl millet	1.75
2.	Bisco Bio-Science Pvt ltd	Efficacy testing on Millet hybrid regarding	Pearl millet	1.75
3.	Farmers varieties	Comparative Study of farmers Paddy Variety (Vaishali Damini)	Paddy	0.72
4.	Acadian Plant Heath Pvt Ltd	Evaluation of the effect of Acadian Soil Health Granule (Soil Gro Gr) on Rice	Paddy	1.50
5.	Bayer Crop Science Ltd	Testing on Pearl millet hybrid	Perl Millet	1.75
6.	Bayer Crop Science Ltd	Effect of Betacyfluthrin 8.49%w/w + Imidacloprid 19.81% w/w OD (Solomon30) in corn against Stem borer (Chilosp.)	Maize	4.50
7.	Rasi Seeds(P) Ltd	Testing of hybrid millet	Paddy	1.75
8.	WillowoodChemicals (Pvt) Limited	Efficacy testing of WCPL-575 against weeds of transplanted Paddy	Pearl millet	5.00
9.	Willowood Chemicals (Pvt) Limited	Bio-Efficacy of trial on AKJ-25 against weeds of Onion Crop	Onion	4.50
10.	Insecticides Pvt.Ltd.	Bio-Efficacy of Thiamethoxam 0.4% + bifenthrin 0.8% G against white grubs and termites in groundnut	Groundnut	5.50
11.	Metahelix Life Sciences Ltd.	Yield and related trials of Pearl millet hybrid	Pearlmillet	7.00
12.	Crystal Crop Protection Ltd.	Bio efficacy evaluation of novel coded products “CCP-50150” (insecticide) against Brown Plant hopper in rice crop	Paddy	1.75

13.	Crystal Crop Protection Ltd.	Bio efficacy evaluation of novel coded products "CCP-40150" (insecticide) against Brown Plant hopper in rice crop	Paddy	**1.75**
14.	Crystal Crop Protection Ltd.	Bio efficacy evaluation of a novel coded products "CCP-90072" (herbicide) against weeds in rice crop	Paddy	2.50
15.	Crystal Crop Protection Ltd.	Bio-efficacy study of Dimethomorph 50% WP against late blight of Potato	Potato	1.95
16.	Reliance Industries Limited	Study the effect of RIL Polythene Mulch in Potato and Tomato	Potato andTomato	1.00
17.	Willowood Chemicals	Evaluation of Bio-efficacy, Phytotoxicity and Residue analysis of WCPL 1550 formulation against Wheat rust (Brown,Leaf,Stem,Strip) and Powdery mildew.	Wheat	3.75
18.	Willowood Chemicals	Evaluation of Bio-efficacy, Phytotoxicity and residue analysis of WCPL 3535 formulation against the early & late blight of Potato.	Potato	4.00
19.	Willowood Chemicals	Evaluation of Bio-efficacy, Phytotoxicity and Residue analysis of WCPL Combi formulation against Powdery milde and Anthracnose of Mango.	Mango	1.25
20.	Rasi Seeds (P) Ltd.	Testing of the Mustard hybrid -1604	Mustard	1.75
Total				**55.42**

2018-19

S. No.	Funding Agency	Name of Experiment	Crop	Budget (Lakh)
1.	Crystal Crop Protection Ltd.	Bio-efficacy and phytotoxicity evaluation of coded insecticide CCP-003 G against top borer in comparison to standard check treatment in Sugarcane.	Sugarcane	3.75
2.	Crystal Crop Protection Ltd.	Bio-efficacy evaluation of ACM-9 against weeds in Sugarcane crop	Sugarcane	3.75
3.	ISHA AGRO SCIENCES PVT. LTD	Testing of PSAP-Potassium Salt of Active Phosphorous", a Research Molecules on Sugarcane	Sugarcane	2.28
4.	Crystal Crop Protection Ltd.	Bio-efficacy study of coded insecticide CCP-003 G nematodes in Brinjal	Brinjal	2.00
5.	Crystal Crop Protection Ltd.	Bio-efficacy and phytotoxicity evaluation of coded insecticide CCP-003 G against top borer in Rice crop	Rice	2.00
6.	Crystal Crop Protection Ltd.	Bio-efficacy evaluation of coded fungicide CCP-2806 against Sheath blight and brown spot in Rice crop	Rice	2.00
7.	Crystal Crop Protection Ltd.	Bio-efficacy evaluation of coded product CCP-5537 against thrips and cercospora leaf spot in ChillI	Chilli	2.00
8.	Crystal Crop Protection Ltd.	Bio-efficacy study of coded insecticide CCP-003 G against stem borer of Maize	Maize	2.00
9.	Crystal Crop Protection Ltd.	Bio efficacy evaluation of novel coded products "CCP-40150" (insecticide) against Brown Plant hopper in Rice crop	Rice	1.75

10.	Crystal Crop Protection Ltd.	Bio efficacy evaluation of a novel coded products "CCP-90072" (herbicide) against weeds in Rice crop	Rice	2.50
11.	Rasi seeds Pvt.Ltd	Comparative trial of Hybrid Paddy RRX138	Paddy	1.77
12.	PHI Seeds Pvt. Ltd..	Performance test of PHI Pearl millet 86M20	Pearl millet	1.75
13.	Novazymes	Agronomic field study with biological product on Paddy	Paddy	1.85
14.	Willowood Chemicals (Pvt.)	Evaluation of Bio-efficacy, Phytotoxicity and Residue analysis of WCPL 3535 against tikka and rust disease of Groundnut.	Groundnut	3.75
15.	Willowood Chemicals (Pvt.)	Evaluation of Bio-efficacy, Phytotoxicity and Residue analysis of WCPL 68 formulation against the Sheeth blight,Brown leaf spot and grain dis-coloration of Paddy.	Paddy	3.75
16.	Metahylix Pvt.Ltd.	Testing of Rainy Millet Hybrids	Pearl millet	7.00
17.	Bayer Bio- science Pvt.Ltd	Testing of Bayer millet hybrid-PA 9180	Pearl millet	1.75
18.	Nichino India Private Limited	Bio-efficacy field trial along with the effect on follow up crop and soil studies of herbicide Orthousulfamuron 0.6% + Pretilachlor 6% GR on transplanted Rice for two season	Rice	6.24
19.	Crystal Crop Protection Ltd.	Bio-efficacy evaluation of novel coded product "CCP/H/06OD"(Herbicide) against the weed complex in Rice for two seasons-*Kharif*-2019 & 2020.	Rice	5.00
20.	TEPHRA Bio- science	Bio-efficacy and Phytotoxicity analysis of Glufosinate Ammonium 13.5% SL (15% W/V) in Cotton for Kharif -2019 & 2020 (Two Season with Follow crop)	Cotton	5.00
21.	Novazymes Private Limited	To evaluate the Bio-efficacy of MycoMix and MON90505 as a seed treatment on Chickpea.	Chickpea	*3.50*
22.	Novazymes Private Limited	To evaluate the bio-efficacy of MycoMix and MON90505 as a seed treatment on Wheat.	Wheat	*3.50*
Total				**68.89**

2019-20

S.N.	Funding Agency	Name of Experiment	Crop	Budget (Lakh)
1.	Crystal Crop Protection Ltd.	Bio-efficacy study of coded insecticide CCP-003 G against stem borer of Maize	Maize	2.00
2.	Crystal Crop Protection Ltd.	Bio-efficacy study of coded insecticide CCP-003 G nematodes in Brinjal	Brinjal	2.00
3.	Crystal Crop Protection Ltd.	Bio-efficacy evaluation of coded product CCP-5537 against thrips and cercospora leaf spot in ChillI	ChillI	2.00
4.	Rasi seeds Pvt.Ltd	Comparative trial of Rasi Paddy Hybrid	Paddy	1.75
5.	Rasi seeds Pvt.Ltd	Comparative trial of Rasi Millet Hybrid	Millet	1.75
6.	Metahylix Pvt.Ltd.	Testing of Rainy Millet Hybrids	Millet	7.00
7.	Limagrain Field Seeds Bisco Bio Science Pvt.Ltd.	Evaluation of Millet hybrid LG-70304	Millet	1.75

8.	Shreeji Agchem Pvt Ltd	Bio-efficacy and Phytotoxicity evaluation of herbicide Carfentrazone-ethyl 40% DFon direct seeded Paddy with follow up crop	Paddy	3.00
9.	Indofil Industries Ltd.	Evaluation of Bio-efficacy, Phytotoxicity & residue samples collections of Mancozeb 75 % WP as foliar application against disease complex of Potato	Potato	4.00
10.	Indofil Industries Ltd.	Evaluation of Bio-efficacy &Phytotoxicity of Zineb 75% WP against diseases of Potato	Potato	4.00
11.	Shreeji Agchem Pvt Ltd	Bio-efficacy and Phytotoxicity analysis of FENOXAPROP-P-ETHYL 10% EC in Wheat Crop with Follow up crop	Wheat	3.00
12.	Shreeji Agchem Pvt Ltd	Bio-efficacy and Phytotoxicity analysis of CARFENTRAZONE ETHYL 40% DF in Wheat Crop with Follow up crop	Wheat	3.00
13.	Shreeji Agchem Pvt Ltd	Bio-efficacy and Phytotoxicity analysis of PINOXADEN 5.1% EC in Wheat Crop with Follow up crop	Wheat	3.00
Total				**38.25**

6.6.5 Faculty and Staff Development

6.6.5.1. Recruitment and Promotional Avenue

Give the detailed recruitment procedure for faculty, technical, supporting and administrative staff (in brief) and further mention the last recruitment for each category held in the University. Similarly, career advancement procedure and its implementation for all categories shall be given. How many staff have been recruited directly at the higher positions in the last five years?

Recruitment Procedure technical, supporting and administrative staff

The administrative, technical and non-teaching staff of the University is classified in Group A, B, C and D. Appointing Authority for the posts in Group 'A' is the Board of Management and for Group 'B', Group 'C' and Group 'D' is the Vice-Chancellor.

The recruitment procedure of group ‘A’ & ‘B’ categories

- After getting the permission from State Government all the vacant positions are advertised in three national daily news paper and also placed on the website of the university. Applications are called in prescribed format.
- A screening committee is constituted for short listing the candidates to be called for interview as per norms in the advertisement and the score card.
- Maximum 15 candidates are called for interview for single post.
- After interview the selection committee submits the list of selected candidates in a confidential manner, which is placed for approval of appointment to the Board of Management.
- After approval of the appointment from the Board of Management the appointment order is issued to selected candidates.

The recruitment procedure for supporting and technical staff of group 'C' category

The recruitment for all personnel of group 'C' category is through direct recruitment on the basis of promotion based on the recommendations of the committee for appointment for the purpose. The Vice Chancellor is the appointing authority for appointment of group 'C' category personnel.

- As per the latest order of Govt. of Uttar Pradesh issued vide No. 2011/67-Kri- shi-a-1099/7/2020 dated 05-11-2020, appointment of group 'C' will be done by Uttar Pradesh **Subordinate Services Selection Commission** (UPSSSC).

The recruitment procedure for supporting and technical staff of group 'D' category

- The vacant position in this group 'D' is filled up through the regularization of Same-Work-Same-Pay employee of the university.

Promotion under Carrier Advancement Scheme (CAS)

- First of all bio-data is called from the eligible candidates under the CAS scheme.
- Screening Committee is constituted for the screening of the submitted bio-data.
- A panel of distinguished scientist/academician is submitted to Hon'ble Chancellor for his kind approval as a member of selection committee.
- After interview the selection committee submits the list of selected candidates in a confidential manner, which is placed for approval to the Board of Management.
- After approval from the Board of Management, the order is issued to concerned faculty.

Note: No recruitment has been made by the University at the higher position during 2015-16 to 2019-20.

6.6.5.2. Participation of Faculty in Symposia/ Workshops

Give the comprehensive list (year wise, college wise) participation of faculty in National/International Seminars/ Symposia/ Workshops/ Training/ Consultancy visits/Special assignments etc.

Year-wise and college-wise comprehensive list of participants in ***Seminar/Symposia/ training*** is given below:

S.N.	Name of the College	2015-16	2016-17	2017-18	2018-19	2019-20
1.	College of Agriculture, Kanpur	113	122	103	89	25
2.	Maharani Avanti Bai College of Home Science, Kanpur	05	01	21	-	-
3.	College of Horticulture, Kanpur	04	04	03	08	-
4.	College of Forestry, Kanpur	14	-	01	-	-
5.	Baba Saheb Dr. Bhim Rao Ambedkar, College of Agricultural Engineering, Etawah.	-	09	07	02	-

College Year-wise list of participants in ***Seminar/Symposia/ training*** has been given in ***Annexure-II***.

6.6.5.3. Incentives for Excellence/Faculty Recognition

Does the University is offering Best Teacher Award (ICAR) or any other means of recognition to promote excellence in faculty and other staff ? Give the list and selection procedure (in brief).

Yes the University is offering Award of Excellence, Distinguished Scientist and Outstanding Scientist Award and for that purpose a committee was constituted under Chairmanship of Vice Chancellor. Dean, Registrar, Director Extension were the members and Director Research was the member Secretary. Committee invited the proposals from faculty/employees for following awards in the areas of:

(1) Crop improvement
(2) Development of agro-techniques
(3) Resource generation from research and education
(4) Publications of research papers above NAAS rating 6.0
(5) Seminar/Workshop organized
(6) Capacity building programme more than one week
(7) Award of adhoc projects and
(8) Maintenance of research management records during 2019

Categories of awards

Certificate of appreciation	Contribution in one area
Award of Excellence	Contribution in between two or three areas
CSAU-Distinguished Scientist Award	Contribution in four or five areas
CSAU-Outstanding Scientist Award	Contribution in six and above areas

Following faculty and employees were awarded with various awards during 2019

S.N.	Candidate	Area of Contribution (Number)	Name of Award
1.	Dr. Munish Kumar	One	Certificate of Appreciation
2.	Dr. Jitendra Singh	One	Certificate of Appreciation
3.	Dr. R.A. Yadav	One	Certificate of Appreciation
4.	Dr. Seema Sonker	One	Certificate of Appreciation
5.	Dr. S.K. Biswas	One	Certificate of Appreciation
6.	Dr. Ritu Pandey	One	Certificate of Appreciation
7.	Dr. Ashish Srivastava	One	Certificate of Appreciation
8.	Dr. Rashmi Singh	One	Certificate of Appreciation
9.	Dr. Bhupendar Kumar Singh	One	Certificate of Appreciation
10.	Dr. Kaushal Kumar	One	Certificate of Appreciation
11.	Dr Anil Kumar Sachan	One	Certificate of Appreciation
12.	Dr S.D. Dubey	One	Certificate of Appreciation
13.	Dr Ved Ratan	One	Certificate of Appreciation
14.	Dr Dhoom Singh	One	Certificate of Appreciation
15.	Dr Ashok Kumar	One	Certificate of Appreciation

16.	Dr U.S. Tiwari	One	Certificate of Appreciation
17.	Dr Karam Husain	One	Certificate of Appreciation
18.	Dr Y.K. Singh	One	Certificate of Appreciation
19.	Sri Manoj Katiyar	One	Certificate of Appreciation
20.	Dr. Nalini Tiwari	Two	Awards of Excellence
21.	Dr. Rajiv	Three	Awards of Excellence
22.	Dr. Manoj Katiyar	Three	Awards of Excellence
23.	Dr. Khalil Khan	Two	Awards of Excellence
24.	Dr. Manoj Mishra	Two	Awards of Excellence
25.	Dr. A.K. Srivastava	Two	Awards of Excellence
26.	Dr. C.L. Maurya	Three	Awards of Excellence
27.	Dr. V.B. Jaiswal	Two	Awards of Excellence
28.	Dr. Mahak Singh	Two	Awards of Excellence
29.	Dr Naushad Khan	Two	Awards of Excellence
30.	Dr. M.F. Hussain	Two	Awards of Excellence
31.	Dr. D.P. Singh	Four	CSAU-Distinguished Scientist Award
32.	Dr. H.G. Prakash	Six	CSAU-Outstanding Scientist Award

However during the period under report none of the faculty has been awarded with Best Teacher Award.

6.6.5.4. Capacity Building and Training

How many programme have been initiated towards developing and strengthening skills, instincts, abilities, processes and resources that the University and its stakeholders need to survive, adapt, and thrive in the fast-changing agricultural scenario?

Year-wise capacity building programmes initiated by the University for developing and strengthening skills amongst the faculty and students are given below:

2016-17

S.N.	Date	Name of capacity building and Training Programme	Participant	
			Faculty	Student
Training				
1	August 05-19, 2016	"Processing and Preservation of Fruits & Vegetables"	10	64

2017-18

S.N.	Date	Name of capacity building and Training Programme	Participant	
			Faculty	Student
Training				
1	August 16-17, 2017	Training on "Agricultural Research with Relation to IPR"	40	20

2018-19

S.N.	Date	Name of capacity building and Training Programme	Participant	
			Faculty	Student

Training				
1	February 18-19, 2019	Advances in Seed Production and Seed Quality Management of Nutritional Crops	8	98
2	February 20-21, 2019	Recent Advances in Protected Cultivation of Vegetables	5	95
3	March 05-06, 2019	National Training on Recent Trends on Value Addition of Vegetables	7	54
4	March 09-10, 2019	Innovations in Seed Production & Seed Quality Management of Nutritional Crops	10	154
5	March 13-14, 2019	Recent Advances in post-Harvest processing of pulses & vegetables	6	68
6	March 16-17, 2019	Advance Technology of food Processing	8	57
Brain-storming sessions				
7	February 21, 2019:	Brain-storming Session on "Bio-fortification Towards Food Security-2019"	8	87
8	February 25, 2019	Advances in Organic Farming of Vegetables under Protected Conditions	10	51
Faculty and Student Mentoring Programme				
9	March 28, 2019	Faculty and Students' Mentoring Programme on Nutritional Crops (Agronomy)	2	42
10	March 29, 2019	Faculty and Students' Mentoring Programme on Nutritional Crops (Crop Physiology)	4	23
11	March 29, 2019	Faculty and Students' Mentoring Programme on Nutritional Crops (Entomology)	3	29
12	March 29, 2019	Faculty and Students' Mentoring Programme on Nutritional Crops (SST)	5	25
13	March 30, 2019	Faculty and Students' Mentoring Programme on Nutritional Crops(Fruit Science)	6	21
14	March 30, 2019	Faculty and Students' Mentoring Programme on Nutritional Crops (Soil Science)	4	23
15	March 30, 2019	Faculty and Students' Mentoring Programme on Nutritional Crops (vegetable Science)	8	22

2019-20

S.N.	Date	Name of capacity building and Training Programme	Participant	
			Faculty	Student
Training				
1	June 21-22, 2019	Processing and Preservation of Food Commodities	14	41
2	July 08-29, 2019	Recent Advances in Functional and Nutraceuticals for Future Foods	7	32
3	September 20-21, 2019	Enterprises Development using Value Addition of Vegetables	5	31
4	October 23-24, 2019	Technological interventions for quality seed production of Nutritional crops	5	104
5	November 29-30, 2019	Recent Advances in Nutrient management in Vegetables under Protected Cultivation	4	150
6	December 10, 2019	Enforcement of Food Safety in Indian Food Industries	5	71
7	December 21-27, 2019	Seed Production and Processing of Vegetable Crops	4	50
8	January 13-14, 2020	Seed Production & Quality Assurance of Pulses	6	64
9	January 24-25,	Innovation in Seed Production and Seed	4	100

	2020	Processing Technology of Nutritional Crops		
10	March 13, 2020	Emerging Technologies for Food Preservation and Safety	3	28
11	March 13, 2020	Application of Modern Technologies in Seed Production, Seed Processing and Seed Quality Enhancement of Nutritional Crops	4	50
Brain-storming sessions				
12	August 16, 2019	Enhancing Nutritional and Economic value of Agri- produce	5	70
13	September 24, 2019	Organic Cultivation of Vegetable Crops under Protected Conditions	8	80
14	November 26, 2019	Hi- Tech Nursery Raising Technology for Vegetables	5	94
15	November 27, 2019	Recent Advances in Protected Cultivation of Vegetable Crop	6	96
16	January 23, 2020	Entrepreneurship Development for quality seed production of Nutritional Crops	4	50
Faculty and Student Mentoring Programme				
17	October 05, 2019	Faculty and Students' Mentoring Programme	4	42
18	October 19, 2019	Faculty and Students' Mentoring Programme	4	55
19	December 11, 2019	Faculty and Students mentoring on Nutritional Crops	6	64
20	January 20, 2020	Faculty and Students mentoring on Interviewing Skills & Interpersonal Skills Set of Postgraduate Students for future Employment	4	50

2020-21

S.N.	Date	Name of capacity building and Training Programme	Participant	
			Faculty	Student
Virtual Training				
1	June 22-23, 2020	Recent technological interventions for seed production and seed quality enhancement on nutritional crops	80	181
2	July 06-10, 2020	National Training on Nutritional security and Health through value addition of vegetables & Pulses	65	186
3	July 16-20, 2020	Soft Skill Development in Application of Basics of Remote Sensing & GIS in Nutritional Crops"	17	134
4	August 24-28, 2020	Quality Seed Production of Vegetable Crops under Protected Cultivation"	20	250
5	August 25-29,	Scaling up Of Knowledge Domain and	15	85

	2020	Entrepreneurial Skill Development of PG Students and Budding Scientist for Quality Seed Production and Seed Quality Enhancement		
6	September 07-13, 2020	Recent technologies of food packaging	60	100
7	October 16-29, 2020	e-International Training On Neglected and Underutilized Crop Species (NUS) for nutritional and food security during time of Uncertainties	46	66

Capacity building programme of Students & Faculty under NAHEP-CAAST-NC

6.6.6. Student Development

6.6.6.1. Scholarships/Stipend

Is the University offering any scholarship programme for meritorious students? How many students are receiving competitive scholarships/fellowships for each College? How many passed out students have been selected for scholarships/fellowships in other universities.

Details of Scholarships awarded

2015-16

S.N.	Name of Scholarship	Beneficiaries	Number of beneficiary
1.	**(UP state Government) for** • B.Sc (Ag./H.Sc./Forestry/Horti.), M.Sc. (Ag./H.Sc./Horti.), MBA and Ph. D	General SC ST OBC Minority	241 265 22 547 28
2.	National Talent Scholarship	U.G. (ICAR)	18
3.	National Talent Scholarship	P.G. (ICAR)	07
4.	Junior Research Fellowship	J.R.F (ICAR)	02
5.	University Merit Scholarship	U.G	-
6.	University Merit Scholarship	P.G.	-
7.	University Research Fellowship	Ph.D.	-
8.	DST Inspire Fellowship	Ph.D.	03
9.	Rajiv Gandhi Fellowship	Ph.D.	19

2016-17

S.N.	Details	Number of Applicant	Number of beneficiary	Amount released (in Rs.)	Fee Amount released (in Rs.)	Total Amount (in Rs.)	Rejected applicant
1	OBC	559	545	48,68,210	2,38,53,051	2,87,21,261	14
2	SC	259	247	21,63,560	12,20650	33,84,510	12
3	ST	19	18	1,54,370	7,59,400	9,13,770	01
4	Minority	31	31	2,90,980	13,83,700	16,74,680	0
5	General	253	242	20,63,740	1,03,34,600	1,27,98,340	11
		1121	**1083**	**95,40,860**	**3,74,51,701**	**4,74,92,561**	**38**

Total Scholarship & Fee Reimbursement Rs. 4,74,92,561.00 (Rupees Four Crore Seventy Four Lakh Ninety Two Thousand Five Hundred Sixty One) only

National Talent Scholarship (NTS)

SN	Name of the University/ College/ Faculty	No. of Students of Beneficiaries				Grand Total	
		UG-NTS		PG-NTS			
		No.	Total Stipend	No.	Total Stipend	No.	Total Stipend
1.	CSA University	18	9.84	24	7.24	42	17.08

2017-18

S.N.	Name of Scholarship	Beneficiaries	Number of beneficiary
1.	**(Up state Government) for** B.Sc (Ag./H.Sc./Forestry/Horti.), M.Sc. (Ag./H.Sc./Horti.), MBA and Ph. D	 General SC/ST OBC Minority	 252 284 635 33
2.	National Talent Scholarship	U.G. (ICAR)	33
3.	National Talent Scholarship	P.G. (ICAR)	48
4.	Junior Research Fellowship	J.R.F (ICAR)	02
5.	University Merit Scholarship	U.G	10
6.	University Merit Scholarship	P.G.	34
7.	University Research Fellowship	Ph.D.	02
8.	DST Inspire Fellowship	Ph.D.	03
9.	Rajiv Gandhi Fellowship	Ph.D.	09
10.	PDF Fellowship	Ph.D.	03

2018-19

S.N.	Name of Scholarship	Beneficiaries	Number of beneficiary
1.	(Up state Government) for • B.Sc. (Agriculture/Home Science/Forestry/Horticulture) • M.Sc. (Agriculture/Home Science/Horticulture) • MBA • Ph. D	 General SC/ST OBC Minority	 256 299 645 33
2.	National Talent Scholarship	U.G. (ICAR)	33
3.	National Talent Scholarship	P.G. (ICAR)	48
4.	University Merit Scholarship	U.G	10
5.	University Merit Scholarship	P.G.	10
6.	University Research Fellowship	Ph.D.	34
7.	DST Inspire Fellowship	Ph. D.	05
8.	Rajiv Gandhi Fellowship	Ph.D.	19
9.	PDF Fellowship	Ph.D.	03

2019-20

Details of Scholarships awarded to students enrolled in various degree programmes

S.N.	Course	Name of Scholarship	No. of Students	Amount (Rs.)
1.	B.Sc (Ag.), CSAUA&T, Kanpur	Social welfare/OBC/Minority	611	-
		National Talent Scholarship	28	8,84,800.00
		University Merit Scholarship	01	1,200.00
2.	B.Sc (Ag.), Lakhimpur-kheri	Social welfare/OBC/Minority	20	-
3.	B.Sc. (Forestry)	Social welfare/OBC/Minority	77	
		National Talent Scholarship	03	90,000.00
4.	B.Sc. (Horticulture)	Social welfare/OBC/Minority	92	-
5.	B.Sc. (Home Science)	Social welfare/OBC/Minority	74	
6.	B.Tech. (Ag. Engg.)	National Talent Scholarship	02	42,000.00
7.	B.Tech. (Dairy Technology)	National Talent Scholarship	01	81,000.00
8.	M.Sc. (Ag.)	Social welfare/OBC/Minority	207	
		National Talent Scholarship	41	15,08,486.00
		JRF (PG)	04	4,82,940.00
		India Afghanistan	03	3,53,710.00
9.	M.Sc. (Horticulture)	Social welfare/OBC/Minority		-
10.	M.Sc. (Home Science)	Social welfare/OBC/Minority		-
11.	M.B.A. (Agri. Business)	Social welfare/OBC/Minority		-
12.	Ph.D. (Agriculture)	Social welfare/OBC/Minority		-
		DST Fellowship		-
		UGC (NF OBC)		-
		UGC (RGNF)		-
		UGC (PDFWM)		-
13.	Ph.D. (Home Science)	Social welfare/OBC/Minority		-

National Talent Scholarship (NTS)

SN	Name of the University/ College/Faculty	No. Of Students of Beneficiaries				Grand Total	
		UG-NTS		PG-NTS			
		No.	Total Stipend	No.	Total Stipend	No.	Total Stipend
1-	C.S.Azad University of Agriculture & Technology, Kanpur	34	10,97,800.00	41	15,08,486.00	75	26,06,286.00

Students selected for Fellowship (JRF/SRF/NET/GATE) in other universities

Year	Number of Students selected in JRF	Number of Students selected Number of SRF	Number of Students selected in GATE	Number of Students selected in NET
2016	02	07	02	30
2017	07	01	02	36
2018	10	-	02	25
2019	05	-	-	39

College-wise name of the students selected for the fellowship in other university.

SN	Name of the students	Name of Fellowship	Departments
2016-17			
College of Agriculture, Kanpur			
1.	Grijesh Kumar Yadav	NET	Soil Science & Agriculture Chemistry
2.	Puspendra Kumar	NET	Soil Science & Agriculture Chemistry
3.	Vaibhav Singh	SRF/NET	Genetics & Plant Breeding
4.	Jagdish Prasad Chaurasiya	SRF/NET	Genetics & Plant Breeding
5.	Anurag Kumar	NET	Genetics & Plant Breeding
6.	Vivekanand Yadav	NET	Genetics & Plant Breeding
7.	Poornima Mishra	NET	Horticulture
8.	Raja Ram	NET	Horticulture
9.	Sunil Kumar Maurya	NET	Horticulture
10.	Prakash Tiwari	NET	Horticulture
11.	Dipankar Singh Badal	NET	Horticulture
12.	Sheshnath Gupta	NET	Horticulture
13.	Sunil Kumar Maurya	SRF	Horticulture
14.	Km. Jyoti Singh	SRF	Fruit Science
15.	Pawan Kumar	NET	Crop Physiology
16.	Vivek Gupta	NET	Crop Physiology
17.	Ankita Sinha	NET	Plant Pathology
18.	Harshita	NET	Plant Pathology
19.	Ankur Verma	NET	Plant Pathology
20.	Sumit Kumar	NET	Plant Pathology
21.	Anurag Shukla	NET	Plant Pathology
College of Home Science, Kanpur			
22.	Shailja Singh	JRF	Food Science & Nutrition
23.	Supriya Yadav	SRF	Human Development
24.	Anchal Singh	SRF	Food Science & Nutrition
25.	Revathi D.	SRF	Food Science & Nutrition
26.	Neetu Singh	NET	Textiles & Clothing
27.	Sarika Mishra	NET	Textiles & Clothing
28.	Charul Gupta	NET	Food Science & Nutrition
29.	Shubhi Pandey	NET	Food Science & Nutrition
30.	Seema Katiyar	NET	Food Science & Nutrition
31.	Anandita Srivastava	NET	Food Science & Nutrition
32.	Anchal Singh	NET	Food Science & Nutrition
33.	Garima Bansal	NET	Food Science & Nutrition
34.	Mani Mishra	NET	Food Science & Nutrition
35.	Hemlata Pandey	NET	Food Science & Nutrition
36.	Pragya Yadav	NET	Food Science & Nutrition
37.	Revathi D.	NET	Food Science & Nutrition
38.	Anjali Verma	NET	Food Science & Nutrition
College of Agricultural Engineering & Technology, Etawah			
39.	Raj Kumar	JRF	Agricultural Engineering
40.	Sachin RAjawat	GATE	Agricultural Engineering
41.	Raj Kumar	GATE	Agricultural Engineering
2017-18			
College of Agriculture			
42.	Miss Deepika Kannaujia	SRF	Biochemistry
43.	Krishana Kumar	JRF	Plant Pathology

44.	Kamal Kant	JRF	Agronomy
45.	Ravi Kumar Meena	JRF	Soil Science & Agriculture Chemistry
46.	Sunil Kumar	NET/ARS	Agronomy
47.	Ranjit Kumar	NET	Agronomy
48.	Manoj Kumar Gora	NET	Agronomy
49.	Rahul Mishra	NET	Agronomy
50.	Ashutosh Pandey	NET	Agronomy
51.	Ramanuj Singh	NET	Agronomy
52.	Krishna Mohan Yadav	NET	Agronomy
53.	Neeraj Kumar	NET	Agronomy
54.	Ramkumari	NET	Agronomy
55.	Pramod Kumar	NET	Agronomy
56.	Udapy Pratap	NET	Agronomy
57.	Rentapalli Balaji	NET	Agronomy
58.	Gaurav Verma	NET	Agronomy
59.	Upendra Singh	NET	Agronomy
60.	Shiv Prasad Maurya	NET	Genetics & Plant Breeding
61.	Vivekanand Yadav	NET	Genetics & Plant Breeding
62.	Jagdish Chaurasia	NET	Genetics & Plant Breeding
63.	Vaibhav Singh	NET	Genetics & Plant Breeding
64.	Amar Deep	NET	Genetics & Plant Breeding
65.	Atar Singh	NET	Genetics & Plant Breeding
66.	Kanhaiya Lal	NET	Genetics & Plant Breeding
67.	Anubhav Kumar	NET	Seed Science & Technology
68.	Pushpendra Kumar	NET	Soil Science & Agriculture Chemistry
69.	Girjesh Yadav	NET	Soil Science & Agriculture Chemistry
70.	Saurabh Govind Rao	NET	Plant Pathology
71.	Sumit Gupta	NET	Plant Pathology
72.	Harshita Verma	NET	Plant Pathology
73.	Dushyant Kumar	NET	Plant Pathology
74.	Ankita Sinha	NET	Plant Pathology
75.	Sopal Singh	NET	Horticulture
76.	Purnima Mishra	NET	Horticulture
77.	Deepankar Singh Badal	NET	Horticulture
78.	Kuldeep Kumar	NET	Vegetable Science
79.	Sheshnath Gupta	NET	Vegetable Science
80.	Somendra Verma	NET	Horticulture
College of Home Science			
81.	Naaz Bano	JRF	Extension Education & Communication Management
82.	Pratistha Verma	JRF	Textile & Clothing
83.	Iti Dubey	JRF	Textile & Clothing
84.	Ankita Yadav	NET	Textile & Clothing
85.	Neetu Singh	NET	Textile & Clothing
86.	Anoop Kumar	NET	Food Science & Nutrition
87.	Pragati Yadav	NET	Food Science & Nutrition
88.	Reema Devi	JRF/NET	Food Science & Nutrition
College of Agriculture Engineering & Technology (Etawah)			
89.	Akansha Yadav	GATE	Agricultural Engineering
90.	Harshit Chauhan	GATE	Agricultural Engineering
2018-19			
College of Agriculture, Kanpur			
91.	Lavlesh Kumar	NET	Entomology
92.	Vijaya Manjunatha Gowda	NET	Entomology

93.	Asmita Kumari	NET	Plant Physiology
94.	Nirmal Kumar	NET	Plant Physiology
95.	Deepak Kumar Rawat	NET	Plant Physiology
96.	Vallabhaneni Tilak Chowdary	NET	Plant Pathology
97.	Rentapalli Balaji	NET	Agronomy
98.	Mr. Gaurav Verma	NET	Agronomy
99.	Upendra Singh	NET	Agronomy
100.	Jagdish Prasad Chaurasiya	NET	Genetics & Plant Breeding
101.	Kanhaiya Lal	NET	Genetics & Plant Breeding
102.	Uday Pratap Singh	NET	Agronomy
103.	Sunil Kumar	NET	Agronomy
104.	Mr. Pramod Kumar	NET	Agronomy
105.	Km. Pratiksha	JRF	Agriculture
106.	Km. Satakshi Singh	JRF	Agriculture
107.	Mr. Ravikant Patel	JRF	Agriculture
108.	Mr. Ajmul Hasan	JRF	Agriculture
109.	Mr. Shubham Pandey	JRF	Agriculture
110.	Mr. Gyan Shukla	JRF	Agriculture
111.	Mr. Ramanand Chaudhary	JRF	Agriculture
112.	Mr. Pankaj Kumar	JRF	Agriculture
College of Horticulture			
113.	Akash Shukla	NET	Horticulture (Fruit Science)
114.	Dipankar Singh Badal	NET	Horticulture (Fruit Science)
115.	Somendra Verma	NET	Horticulture (Fruit Science)
116.	Sopal Singh	NET	Horticulture (Fruit Science)
117.	Surendra Kumar Verma	NET	Horticulture (Fruit Science)
118.	Poornima Devi	NET	Horticulture (Fruit Science)
119.	Mahesh Kumar Gupta	NET	Horticulture (Fruit Science)
120.	Ravish Kumar	NET	Horticulture (Vegetable Science)
121.	Abhishek Tiwari	NET	Horticulture (Vegetable Science)
122.	Gargi Gautami Padhiary	NET	Horticulture (Vegetable Science)
123.	Arun Kumar Verma	NET	Horticulture (Vegetable Science)
College of Home Science			
124.	Neetu Kumar	JRF	Home Science
125.	Priyanshi	JRF	Home Science
College of Agriculture Engineering & Technology (Etawah)			
126.	Pratik Raj	GATE	Agricultural Engineering
127.	Girraj Prasad Sharma	GATE	Agricultural Engineering
2019-20			
College of Agriculture, Kanpur			
128.	Ram Niwas	NET	Agronomy
129.	Satya Veer Singh	NET	Agronomy
130.	Pradeep Kumar Verma	NET	Agronomy
131.	Deep Chand	NET	Agronomy

6.6.6.2. Extra and Co-curricular Activities

Whether the sports/games/cultural activities/NSS/NCC/ programmes are being organized? If yes, then give the list of events in last five years in tabular form. Participation of students in ICAR sponsored events (Agri-unifest/ Agri-sports/ any other) and award/medals received in last five years may be given in Tabular form. How the students practice sports and games daily?

List of the events/activities/sports in the last five year is tabulated below

Sports Activities

2015-16

SN	Activities	Place	Dated	No. of Participants
1.	16th Inter Agriculture University Sports Meet	Tamil Nadu Agriculture University, Coimbatore	22 to 26 February, 2016	37
2.	16th National Inter Agriculture universities Youth Festival	National Institute of Dairy Research, Bhubaneswar	01 to 04 February, 2016	22
3.	Group Discussion Competition	G.B. Pant Agriculture University, Pantnagar, Uttarakhand	12 to 15 January 2016	02
4.	Annual Sports meet (Inter Campus activities)	CSAUA&T, Kanpur	28 to 29 January, 2016	425

2016-17

SN	Activities	Place	Dated	No. of Participants
1.	17th Inter Agriculture University Sports Meet	Chaudhary Charan Singh Agriculture University, Hisar, Haryana	24 to 29 March, 2017	40
2.	17th National Inter Agriculture universities Youth Festival	Pashu Chikitsha avam Pashu Vigyan Maha Vidhyalay, Bikaner, Rajsthan	22 to 25 Feb., 2017	22
3.	Group Discussion Competition	G.B. Pant Agriculture University, Pantnagar, Uttarakhand	12 to 15 Jan. 2017	06
4.	Annual Sports meet (Inter Campus activities)	CSAUA&T, Kanpur	20 to 21 Jan., 2017	410

2017-18

SN	Activities	Place	Dated	No. of Participants
1.	18th Inter Agriculture University Sports Meet	University of Sciences, Bangalore	30 Jan. to 03 Feb., 2018	42
2.	18th National Inter Agriculture universities Youth Festival	Pashu Chikitsha avam Pashu Vigyan Maha Viddhyalay, Bikaner, Rajasthan	22 to 25 Feb., 2017	22
3.	Group Discussion Competition	G.B. Pant Agriculture University, Pantnagar, Uttarakhand	12 to 15 Jan. 2017	06
4.	Annual Sports meet (Inter Campus activities)	CSAUA&T, Kanpur	03 to 05 Jan., 2018	460

In 18th Inter Agriculture University Sports Meet Sri Ram Datt, a student of B.Sc. (Hons.) Horticulture of CSAUA&T, Kanpur obtained 3rd place in 200 meter and 100 meter race.

2018-19

SN	Activities	Place	Dated	No. of Participants
1.	19th Inter Agriculture University Sports Meet	Punjab Agriculture University, Ludhiana, Punjab	02 to 05 Jan., 2019	45
2.	19th National Inter Agriculture universities Youth Festival	-	-	-
3.	Group Discussion Competition	-	-	-
4.	Annual Sports meet (Inter Campus activities)	CSAUA&T, Kanpur	10 Nov., 2018	250

In 19th Inter Agriculture University Sports Meet Sri Ram Datt a student of B.Sc. (Hons.) Horticulture of CSAUA&T, Kanpur obtained 2nd place in 200 meter and 3rd place in 100 meter race.

2019-20

SN	Activities	Place	Dated	No. of Participants
1.	20th Inter Agriculture University Sports Meet	Sri Venkateswara Vatenary University, Triupati, Andrta Pradesh	From 01st March 2020 to 05th March 2020	43
2.	19th National Inter Agriculture universities Youth Festival	-	-	-
3.	Group Discussion Competition	-	-	-
4.	Annual Sports meet (Inter Campus activities)	CSAUA&T, Kanpur	29 to 31 Jan., 2020	475

In 20th Inter Agriculture University Sports Meet Sri Vimal Kumar B.Tech.(Dairty Technology) College of Dairy Technology, Etawah won *Bronze Medal* in 800 meter Race.

Annual Sports 2019-20 (Inter Campus Activities)

Annual sport function was organized from January, 29-31, 2020 at University headquarter, Kanpur. Four hundred seventy five students of all the colleges participated in the eleven events and their performance is given below:

Athletics Result for Annual Sports 2020

Boys Events	Ist Position	IInd Position	IIIrd Position
100 meter	Pramod Kumar, I.D. No. CFS 0091/17 (Etawah Campus)	Vipin Patel, I.D. No. CA-11270/19 (CSA Campus)	Dilip Kumar I.D. No. CA-11247/19 (CSA Campus)
200 meter	Vipin Patel, I.D. No. CA-11270/19 (CSA Campus)	Divakar I.D. No. CDT 0064/16 (Etawah Campus)	Shubham Singh I.D. No. CA 11405/19 (CSA Campus)
400 meter	Vimal Kumar I.D.No. CDT 0118/18	Shyam Singh I.D. No. CA 11176/19	Umesh Kumar I.D. No. CDT 0065/16

	(Etawah Campus)	(CSA Campus)	(Etawah Campus)
800 meter	Vimal Kumar I.D.No. CDT 0118/18 (Etawah Campus)	Shyam Singh I.D. No. CA 11176/19 (CSA Campus)	Mithilesh Kumar I.D. No. CA 9877/16 (CSA Campus)
1500 meter	Vimal Kumar I.D.No. CDT 0118/18 (Etawah Campus)	Umesh Kumar I.D. No. CDT 0065/16 (Etawah Campus)	Raman Singh I.D.No. CDT 0155/19 (Etawah Campus)
4x100m Reley	Pramod Kumar Vimal Kumar Akash Diwaker (Etawah Campus)	Anoop Raj Kumar Rohit Ranjeet (CSA Campus)	Shyam Ankit Dileep Vipin Patel (CSA Campus)
Shot put	Kuldeep Singh I.D. No. CT 2884/18 (Etawah Campus)	Anurag Singh I.D. No. CA 9872/16 (CSA Campus)	Anoop Kumar Verma I.D. No. CF 0386/17 (CSA Campus)
Discuss	Rajat Kumar Maurya I.D. No. CA 9912/16 (CSA Campus)	Anurag Singh I.D. No. CA 9872/16 (CSA Campus)	Ashish I.D. No. CDT 0095/17 (Etawah Campus)
Javelin	Sarvmangal Verma I.D No. CL 0152/17 (CSA Campus)	Mrityunjay Sharma I.D No. HR 0112/16 (CSA Campus)	Ravi Kumar I.D No. CA 11237/19 (CSA Campus)
Long Jump	Raj Kumar I.D No. CA 10330/17 (CSA Campus)	Vipin Patel, I.D. No. CA-11270/19 (CSA Campus)	Pramod Kumar, I.D. No. CFS 0091/17 (Etawah Campus)
High Jump	Mithilesh Kumar I.D No. CA 9877/16 (CSA Campus)	Shubham Yadav I.D No. (CSA Campus)	

Girls Events	**Ist Position**	**IInd Position**	**IIIrd Position**
100 meter	Anjali Yadav, I.D. No. CT 2716/17 (Etawah Campus)	Kanak Lata, I.D. No. CH-1959/17 (CSA Campus)	Ayushi Bajpai I.D.No. CH-1942/18 (CSA Campus)
200 meter	Tanya Verma I.D. No. CT 2954/19 (Etawah Campus)	Jyoti Verma I.D. No. (CSA Campus)	Mahima Yadav I.D. No. (CSA Campus)
400 meter	Tanya Verma I.D. No. CT 2954/19 (Etawah Campus)	Aastha I.D. No.CA 9931/16 (CSA Campus)	Km Pooja I.D. No.CH 1850/16 (CSA Campus)
800 meter	Ayushi Bajpai I.D. No. CH-1942/18 (CSA Campus)	Reeta I.D. No. CH-1970/19 (CSA Campus)	-
1500 meter	Kanak Lata, I.D. No. CH-1959/17 (CSA Campus)	Anjali I.D. No. (CSA Campus)	Reeta I.D.No. CH-1970/19 (CSA Campus)
4x100m Reley	Tanya Verma Shweta Pandey Areeba Tyagi Anjali Yadav College of Engineering	Vandna Yadav Aastha Verma Swapnil Singh Astha College of Agriculture	Anshika Yadav Mahima Yadav Kriti Dwivedi Pooja College of Community Science
Shot put	Divya Kaushik I.D. No. CH 1865/16 (CSA Campus)	Tusharika Sharma I.D. No. CH 1887/17 (CSA Campus)	Anjali Yadav I.D. No. CT 2716/17 (Etawah Campus)
Discuss	Nandani Chaudhary I.D. No. CT 2933/19 (Etawah Campus)	Areeba Tyagi I.D. No. CT 2811/18 (Etawah Campus)	Tusharika Sharma I.D.No. CH 1887/17 (CSA Campus)

Javelin	Medha Pandey I.D. No. CL 0100/16 (CSA Campus)	Areeba Tyagi I.D. No. CT 2811/18 (Etawah Campus)	Kirti Dwivedi I.D.No. CH 1883/16 (CSA Campus)
Long Jump	Anjali Yadav I.D. No. CT 2716/17 (Etawah Campus)	Anshika Yadav I.D. No. CH 1981/19 (CSA Campus)	Sweata Pandey I.D. No. CT 2810/18 (Etawah Campus)
High Jump	Swapnil Singh I.D.No. HR 0127/16 (CSA Campus)	Mahima Singh I.D. No. CT 2925/19 (Etawah Campus)	-

Agri- Sports, Sri Venkateswara Vatenary University, Triupati, Andrta Pradesh 2019-20

National Service Scheme (NSS) programme

National Service Scheme was started in this university from 1976 to develop the young graduate students' personality through social and community development work. It is the largest organization in the country working on the thought of Swami Vivekanand and Mahatma Gandhi. The main principle of NSS is "Not me but you". Through this scheme, students are motivated towards the awareness about various social evils in the rural and urban

community related to education, health, disaster management, environmental, voter awareness and agriculture and also enable them to solve their problem jointly at their own level. There are six functional NSS units in the university comprising 537 volunteers of different colleges Viz. College of Agriculture, College of Horticulture, College of Forestry, College of Home Science, Kanpur and Dr. B.R. Ambedkar College of Engineering & Technology, College of fisheries and College of Dairy Technology, Etawah. Dr. Devendra Singh, NSS Programme Coordinator has submitted the following.

Major activities undertaken by NSS volunteers by NSS volunteers during years 2019-20:

- Cleaning and repairing of university pond nearby ATIC building and other places in the University.
- Cleaning and repairing roads of Student Instructional Farm and Hostels
- Cleaning and repairing of play ground in front Ambedkar hostel Kanpur
- Organized mass scale plantation programme with Estate Officer in university campus and in selected villages and Planted and after care of more than 1500 plants.

NCC (Infantry) programme and activities

Details of activities undertaken during the last five years under ***NCC (Infantry) programme*** is given here as under:

S.N.	Year	Enrolled Cadets	Camp attended Camp Name - Cadets Number	Swachhata Abhiyan	Cadet Passed B Exam	Cadet Passed C Exam	Other Programme
1	2015-16	17	NIC- 18 CATC191-18	1	14	11	Anti tobacco Rally
2	2016-17	21	CATC190-18 CATC191-17	1	17	10	Environment Awareness Programme
3	2017-18	20	CATC191-10 CATC192-15 CATC193-12	1	19	12	1-Paryavaran Jagrukta Rally 2-Tree Plantation
4	2018-19	18	CATC193-14 CATC195-12 CATC199-10	1	20	16	Water Conservation Awareness
5	2019-20	18	CATC193-15 CATC1941-20	1	18	Awaited	Tree Plantation

General Programme

Initiative taken in strengthening of programme activities involving volunteers and other local development agencies.

- Management of Kishan Melas/ Exhibition by NSS Volunteers organized by our University
- Red Ribbon Club activities are running in College of Agriculture under NSS Programme in which HIV/AIDS awareness.
- Sven awareness lectures and four one day camp organized every unit about various social evils in the rural and urban community
- **Parthenium awareness week**

  Parthenium is a weed of global significant responsible for agricultural losses, human and animal health issues besides a great problem for biodiversity. To create awareness amongst the general public, farmers, school and colleges students and policy makers and planners we talked about the impact of the

obnoxious weed and how to manage this weed. Parthenium awareness week was celebrated in the month of August every year.

- **Beti padhao, beti bachao and Beti padhao, dahej mitao** awereness programmes and ralley organized
- **Communal Harmony campaign**

  Communal Harmony week was celebrated from November 19-25. Flag Day was organized on 23 November. Simultaneously, debate and essay competition also organized to motivate the volunteers.

- **AIDS Awareness Programme and Mega Rally**

  A rally was organized by Red Ribbon Club of the NSS in joint collaboration with District AIDS Control Association on International AIDS Day i.e. 1st December.

- **Youth day/weeks** was celebrated from January 12-19

  In which different competitive and cultural events have been organized and volunteers are honored with Vivekanand prizes

- **Women empower day** was celebrated on March 18, 2019 to aware the problem of women in present scenario.
- **World water day** was celebrated to aware the students and villagers about various ways and means to conservation and water harvesting.
- **Cleanliness Awareness Programme and Rallies**

  Swacchata campaigning programme and Rallies were organized by NSS volunteers

- **Voter Awareness Programme and Rallies**

  Voter awareness programme and Rallies were organized by NSS volunteers separately and in collaboration with Hindustan News paper

- **Yoga Day:** Yoga day was celebrated on 21 June, 2019
- **Cycle Day:** Cycle day was organized on 18 January, 2020.

Celebrations

Days: NSS day, Youth day, International Aids day, National Integration Day Sadbhavna Divas, International women Empower day, Independence Day, Gandhi Jayanti, Ambedker Jayanti. Ekta divas

Weeks: Yuva week

Other: Socio-economic survey of slums, *Ganga Safai Abhiyan* for ***"Aviral Ganga-Nirmal Ganga"***

S.N.	Activities celebrated	Date
1	NSS Day	24th September
2	National Youth Day	12th January
3	International AIDs Day	1st December
4	Sadbhavana Divas (Rajiv Gandgi Jayanti)	20th August
5	International Women Empowerment Day	8th March
6	Independence Day	15th August
7	Gandhi Jayanti/Swachcha Bharat Diwas	2nd October
8	Ambedkar Jayanti	14th April
9	Republic Day	26th January

10	International Unity Day (SVBP jayanti)	31st October
11	Swachchata Pakhwada	
12	Environment Day	5th June
13	Plantation Day	5th July
14	Mahila kisan Diwas	15th October
15	World health Day	7th April
16	Yoga Diwas	21st June
17	Chandra Shekjhar Azad Jayanti	23rd July

- At College of Agricultural Engineering & Technology, Etawah, the participation in NSS is compulsory to each and every student during their degree programme. The main aim of NSS is to inculcate a sense of national and social responsibility amongst the students. Under NSS they have to participate in programmes related to environment, health and education.

Yoga Day

S.N.	Year	Place	Dated	No. of Participants	Amount released (in Rs.)
1.	2015-16	CSAUA&T, Kanpur	21st June 2015	125	10000.00
2.	2016-17	CSAUA&T, Kanpur	21st June 2016	175	12000.00
3.	2017-18	CSAUA&T, Kanpur	21st June 2017	200	15000.00
4.	2018-19	CSAUA&T, Kanpur	21st June 2018	225	17058.00
5.	2019-20	CSAUA&T, Kanpur	21st June 2019	290	0.00

Environment Day

S.N.	Year	Place	Dated
1.	2015-16	CSAUA&T, Kanpur	5th June 2015
2.	2016-17	CSAUA&T, Kanpur	5th June 2016
3.	2017-18	CSAUA&T, Kanpur	5th June 2017
4.	2018-19	CSAUA&T, Kanpur	5th June 2018
5.	2019-20	CSAUA&T, Kanpur	5th June 2019

Swachchhata Abhiyan

SN	Year	Place	Dated	programmes
1.	2015-16	CSAUA&T, Kanpur	1 to 15 June 2015 2 to 15 October 2015	Plantation, cleanliness, weeds eradication
2.	2016-17	CSAUA&T, Kanpur	1 to 15 June 2015 2 to 15 October 2015	Plantation, cleanliness, weeds eradication
3.	2017-18	CSAUA&T, Kanpur	1 to 15 June 2015 2 to 15 October 2015	Plantation, cleanliness, weeds eradication
4.	2018-19	CSAUA&T, Kanpur	1 to 15 June 2015 2 to 15 October 2015	Plantation, cleanliness, weeds eradication
5.	2019-20	CSAUA&T, Kanpur	1 to 15 June 2015 2 to 15 October 2015	Plantation, cleanliness, weeds eradication

Independence Day

SN	Year	Place	Dated	programmes
1.	2015-16	CSAUA&T, Kanpur	15th August 2015	Games activities, Plantation, cleanliness activities
2.	2016-17	CSAUA&T, Kanpur	15th August 2016	Games activities, Plantation, cleanliness activities
3.	2017-18	CSAUA&T, Kanpur	15th August 2017	Games activities, Plantation, cleanliness activities
4.	2018-19	CSAUA&T, Kanpur	15th August 2018	Games activities, Plantation, cleanliness activities
5.	2019-20	CSAUA&T, Kanpur	15th August 2019	Games activities, Plantation, cleanliness activities

Republic Day

Sl. No.	Year	Place	Dated	programmes
1.	2015-16	CSAUA&T, Kanpur	26th January 2016	Games activities, Plantation, cleanliness activities
2.	2016-17	CSAUA&T, Kanpur	26th January 2017	Games activities, Plantation, cleanliness activities
3.	2017-18	CSAUA&T, Kanpur	26th January 2018	Games activities, Plantation, cleanliness activities
4.	2018-19	CSAUA&T, Kanpur	26th January 2019	Games activities, Plantation, cleanliness activities
5.	2019-20	CSAUA&T, Kanpur	26th January 2020	Games activities, Plantation, cleanliness activities

6.6.6.3. Health Facilities

Provide the brief information about medical facilities available in the head quarter and off-campuses. A brief about Health Insurance scheme being implemented at the University may be provided.

To provide minimum medical aid to students for treatment of common ailments, the University has a small health centre at Kanpur. The centre is mean for first aid facility to the students, faculty and other staff members. For medical consultancy, 24 hrs services are available to the students. The medical officer provides medical advice and treatments for small and temporary illnesses in boys at Kanpur and Etawah Campuses. Similarly, lady doctor provides medical advice and treatments for small and temporary illnesses in girls at College of Home Science and Agriculture, Kanpur. The students are given medicines free of cost and in case of emergency or in long-term illness and serious cases, the students are admitted in the Government hospital, for which the medical officer acts as a liaison man. If a student is admitted; the Insurance Company bears the whole expenditure. An ambulance is also available at Kanpur and Etawah to provide services in emergent cases round the day.

University Dispensary

- Free medicine and First Aid facility for students, staff and faculty.
- Time to time health checkup of students, staff and faculty.

- Organized camps like blood donation, eye test, sugar test, BP checkup and health awareness programme.
- Ambulance facility (24 x 7) available.
- For the welfare of students the University has arranged medi-claim policy compulsory for all students under the group insurance scheme.
- Cash less - Rs. 25,000.00
- Reimbursement - Rs. 50,000.00
- Premium - Rs. 300/- per year
- During the COVID-19 period establishment of COVID Help Desk in Dispensary.

Staff position

SN	Designation	Number of designation	Name
A.	**Technical staff**		
1.	Medical officer	01	Dr. S. K. Singh (contact basis)
2.	Pharmacist	01	Vacant
3.	Lab technician	01	Sri Dinesh Prakash pandey
4.	Compounder	01	Sri krishn Kumar Pandey
B.	**Non-technical Staff**		
1.	Junior Assistant	01	Sri Vishnu Datt Dixit
2.	Ambulance driver	02	Sri Sant Ram Sri Vinod Singh
3.	Dresher	01	Sri Ram Achhevar Mishra
4.	Swachhakar	01	Sri Harish Chandra

6.6.6.4. Sports and Cultural Facilities

Give detailed report of sports and games facilities and auditoriums available for cultural events.

Sports Facilities

Sufficient space and facilities in all the colleges are available for indoor and outdoor games for the students. There is a good football field, cricket ground, basketball and volleyball, Hockey, *Kho-Kho* and *Kabaddi* court with an indoor stadium hall for badminton. Besides, facilities for table tennis, chess, carom, swimming and gymnasium are also available at Kanpur. The team of various games in the colleges are selected and the University team comprising members from different colleges are sent for inter university, National and State Competitions. Various games counselors have be deputed among the faculty members. At Etawah a full time Games Coach has been appointed to look after the games and sports activities.

The University used to participate in *All India Inter Agricultural University Sports & Games Meet* and *Agri. Sport Meet* every year as mandate of ICAR. It is heartening to mention that a number of students have excelled in sports and cultural activities at National level. For the students excelling in sports, the medals are being awarded during the Annual function of the University. Proper weightage is being given to the candidates participated in sports/ cultural activities/ NCC/ NSS for admission to both undergraduate and postgraduate degree programmes in the University as per the prescribed regulations.

Sport facilities available at different Colleges of the University

Name of the College	Sports facilities available
College of Agriculture, Kanpur	1. Hockey field
	2. Football field
	3. Basket Ball court
	4. Indoor badminton hall
	5. Gymnasium hall (non-standard)
	6. Open air swimming pool
	7. Cricket ground
	8. Stadium without pavilion and roof
	9. Indoor stadium for carrom and table tennis
	10. Kho-Kho court
	11. Athletic track
	12. Volley ball court
College of Home Science, Kanpur	1. Badminton court
	2. Volleyball court
	3. Indoor carrom and table tennis hall
College of Agricultural Engineering & Technology, Etawah	1. Gymnasium hall
	2. Football field
	3. Badminton court
	4. Cricket ground
	5. Indoor game centre for carrom and table tennis
	6. Kho-Kho court
	7. Athletic track
	8. Volley ball court

Further, physical education is a compulsory curricular programme for all the first year students of undergraduate degree programme. Qualified Physical Education Staff is provided to handle Physical Education classes and Sports activities at each Colleges. Sufficient facilities are provided to the students at each college for taking part at Campus/Inter-Campus/Inter-University/ Inter-Zone/ National level Sports activities and to improve their talents further.

However, some additional sports facilities in the form of sports stadium are required for boys and girls at Headquarters and Colleges of the University.

Cultural Facilities

In order to boost up the talent of the students, cultural programmes, debate, essay, painting competitions etc. are regularly being organized in the University and winners are sent to participate in various inter-university, National and State level competitions. Sufficient opportunities and facilities are provided to the students at each college for taking part at Campus/ Inter-Campus/ Inter-university/ Inter-zone/ National level cultural activities for their overall development. In lieu of Student Associations, different clubs viz., Fine Arts, Science, Social Service and Literary are functioning at different colleges of the University. The University used to organise cultural activities during Independence Day, Republic Day, Gandhi Jayanti, Lal Bahadur Shastri Jayanti, Ambedkar Jayanti, Swami Vivekananda Jayanti, Chandra Shekhar Azad Jayanti and Farmer Day celebrations at Headquarters and at other college campuses. At different occasions the students of all the three campuses participate in mono acting, songs, dance and other activities related to cultural programmes.

Auditoriums- Kailash Bhawan

6.6.6.5. Student Counseling and Placement Cell

Give detailed report on placement cell and provide the report for recruitment of students by firms in last five years. What is the mode and mechanism of counseling being followed at the University level?

The University imparts job oriented professional education in the fields of Agriculture, Horticulture, Forestry, Home Science, Agricultural Engineering, Fisheries & Dairy Technology. The duty of the University towards its students does not end here but includes finding suitable employment also for its Alumni so that their training and abilities are utilized for the benefit of the nation. In order to achieve this object, the University has setup a full-fledged Directorate of Placement in 2001, which is working well till date. The degree holder graduate and post-graduate students of various departments of different faculties are given job opportunities in public and private sector organizations/companies/ industries etc. of various departments through liaison and campus interviews that is mentioned here as under;

Year wise Placement of Students in Campus Interview:

Name of Agencies/ Companies/ Organization	No. of Students selected
2015-16	
Dhanuka Agritech Ltd.	05
Zebra Organics Fertilizer Pvt. Ltd.	10
Pl Industries Ltd.	09
TVS Credit Services	09
Indo Gulf Fertilizers	02

HCL Foundation	14
Saahaj Milk Producer Company Ltd.	06
Desai Food & Vegetables Pvt. Ltd.	01
PEPSICO	13
Degree Colleges as Lecturers	10
Off Campus	26
UP Higher education commission	10
Total	**105**
2016-17	
On Campus	
JU Agri. Science	08
TVSCS	11
Tropical Agrosystems Pvt. Ltd.	03
Hindustan Bio-energy Pvt. Ltd.	05
GDS	04
Dayal Industries Pvt. Ltd.	15
Dhanuka Pvt. Ltd.	02
Jain Irrigation	01
Rama University Mandhana, Kanpur	05
Argilife Technologies Pvt. Ltd.	06
Off Campus	
Banks	30
UP higher education commission	05
KRIBHCO Fertilizer Ltd.	08
Total	**103**
2017-18	
On Campus	
Dayal Industries Pvt. Ltd.	03
Cam Son Biotechnologies Ltd.	13
Zydex Industries Ltd.	03
Reliance Industries Ltd.	04
Tata AIG General Insurance Ltd.	05
HCL	04
Rajiv Gandhi Mahila Vikas Pariyojana	08
Mahindra & Mahindra Ltd.	Result awaited
Smartchem Technologies Ltd.	Result awaited
Shri Ram Salvent Extractions Ltd.	Result awaited
Radio Mirchi	00
BASF, Mumbai	01
Wellsun Fertilizer Ltd.	Result awaited
UP Cooperative Federation Sugar Mills, Lucknow	Result awaited
Off Campus	
Banks	55
Food Supply Officer/ Food Safety Officer	05
Marketing inspector (MI)/Senior Marketing Inspector (SMI)	05
National Fertilizer Ltd. (NFL)	06
KRIBHCO	08
National Seed Corporation (NSC)	07
Soil Survey Officer	01
Rajyanyojna Ayog	01
NET/SRF	37
Total	**165**
2018-19	
NSC	03
UPSRLM	42

Dayal Group	06
Dayal Fertilizer Pvt. Ltd.	01
HCL Foundation	14
Hortus Research and Marketing Pvt. Ltd.	17
IFFCO Kisan Call Centre	20
Tropical Agro System Pvt. Ltd.	05
Various companies	07
Different degree colleges	11
Contractual Research service	14
Banks	30
Total	**167**
2019-20	
On Campus	
Dayal Group	17
Action for Social Advancement (ASA)	03
B.Tech., Etawah, TCS IT	03
Off Campus	
Banks	30
NFL	06
IFFCO	01
UP Sugarcane Deptt.	06
Education	03
UP Rural Livelihood Mission	04
TATA Insecticide	01
ATMA Bihar	01
GSP Crop Science Pvt. Ltd.	05
VNR Seed Pvt. Ltd.	04
Total	**84**

6.6.6.6. Disabled Friendly Facilities

What kind of facilities is available for differently abled persons in the campus? Give a brief report.

For differently abled enrolled students, ramps have been constructed in all the hostels like A and B block, Patel hostel, Varuna hostel and Shekhar hostel. Besides this in mess, separate dining table has been arranged. We are also looking forward to create some more facilities in the wash room and toilet under the CSR fund.

Ramp facility in Shekhar & Varuna Hostel

6.6.7. Infrastructure

6.6.7.1. Physical facilities including administrative building and lands

Give comprehensive report on the administrative buildings, academic blocks, Colleges research units instructional farms, seed production units etc. for each College and University Head Quarter.

Administrative Building/ Vice-Chancellor Office

Administrative Block

a) VC Office
b) Comptroller Office
c) Administrative Office
d) VC Committee Room Plinth Area 3040 Sqm.

College wise academic building

College of Agriculture and its department, Kanpur

SN	Departments	Plinth Area (Sqm.)
1.	Soil Science & Agricultral Chemistry	984.00
2.	Entomology	652.00
3.	Agronomy	1177.00
4.	Plant Breeding & Genetics	548.00
5.	Agricultural Biochemistry	370.00
6.	Agri-Business Management	288.00
7.	Plant Pathology	927.00
8.	Crop Physiology	1910.00
9.	Vegetable	1471.00
10.	Animal Husbandry & Dairying	1035.00
11.	Seed Science & Technology	768.00
12.	Agricultural Economics & Statistic	390.00
13.	Agricultural Extension	390.00
14.	Soil Conservation & Water Management	270.00
15.	Legume Section	765.00
16.	Rabi Cereal Section	520.00
17.	Oilseed Section	790.00

College of Home Science and its department, Kanpur

Building	Plinth Area (Sqm.)
Academic building (Old)	4750.00
Academic building (New) i) Food Science & Nutrition Department ii) Human Development Department	2508.00

College of Horticulture, Kanpur

Academic Building	
Plinth Area	1756.00 Sqm.
PG Lab	10.25m x 8.23m (One)
UG Lab	10.25m x 8.23m (One)

Lecture Room	9.77m x 5.77m (06 Nos.)
Smart Class	9.00m x 5.23m (One)
Seminar Hall	14.23m x 8.23 m (One)

College of Forestry, Kanpur

Academic Building	
Plinth Area	1718.00 Sqm
PG Lab	
Size	14.25m x 8.23m (02 Nos.)
Lecture Room	10.00m x 6.00m (04 Nos.)
Computer Lab	
Size	5.15m x 9.00m (One.)
	4.00m x 9.00m (One.)
Plant Museum	
Size	14.25m x 8.23 m (One)

College of Agriculture Engineering & Technology Etawah

a) Academic Building

Plinth Area	8389.00 Sqm.
UG Class Room	13 Nos.
Size	8.47m x 8.47m (05 Nos.)
	17.17m x 10.45m (04 Nos.)
	14.27m x 8.47m (03 Nos.)
	14.27m x 10.45m (01 Nos.)
Laboratories	8.47m x 8.47m (07 Nos.)
	17.17m x 10.45 m (04 Nos.)
	14.27m x 8.47m (03 Nos.)
	14.27m x 10.45m (02 Nos.)
Seminar Hall	8.47m x 8.47m (01 Nos.)

b) Students Hostels and Civic Amenities

SN	Name of Hostel	Number of Rooms	Plinth Area (Sqm.)
1.	Vishwesaraiya Boys Hostel	100	3497.00
2.	C.V. Paul Boys Hostel	200	4632.00
3.	Kalpana Chawala Girls Hostel	40	1481.00
4.	Rani Laxmibai Girls Hostel	-	1431.00
5.	Capt. Laxmi Sehgal Girls Hostel	20	450.00

c) Guest House

Plinth Area 717.00 Sqm.
Room 07 Nos
Bed 06 Nos.

d) Civic Facilities

SN	Name of Civic	Plinth Area (Sqm.)
1.	Dispensary	1036.00
2.	Bank	144.00
3.	Post Office	92.00
4.	Badmintor Hall	850.00

5.	Sports Ground	10000.00
6.	Security Office	14.00

e) Faculty and Staff residential Facilities

SN	Type of residence	Total Residence (Nos.)	plinth Area of each residence (Sqm.)
1.	Type-I	12	38.90
2.	Type-II	42	76.25
3.	Type-III	42	107.46
4.	Type-IV B	20	137.12
5.	Type-IV A	20	195.60
6.	Type-V	08	226.34
7.	Type-VI	01	315.97
	Total	**145**	-

College of Dairy Technology, Etawah

a) Academic Building	
Plinth Area	6450.00 Sqm.
UG Class Room	04 Nos.
Size	12.00m x 11.25m (02 Nos.)
	10.00m x 8.95m (02 Nos.)
Laboratories	28.15m x 15.54m (04 Nos.)
	15.23m x 10.00 m (02 Nos.)
Seminar Hall	22.73m x 12.00m (01 Nos.)

b) Students Hostels and Civic Amenities:

SN	Name of Hostel	Number of Rooms	Plinth Area (Sqm.)
1.	Dr. Kurion Boys Hostel	200	4632.00
2.	Malti Devi Girls Hostel	40	1366.00

College of Fisheries Science & Research Centre Etawah

a) Academic Building	
Plinth Area	4226.00 Sqm.
UG Class Room	10 Nos.
Size	12.00m x 6.00m (05 Nos.)
	6.00m x 6.00m (05 Nos.)
Laboratories	18.00m x 6.00m (10 Nos.)
Seminar Hall	12.00m x 6.00 m (01 Nos.)

Collage of Agriculture, Lakhimpur Kheri Campus

SN	Name of Building	Plinth Area (Sqm.)
1.	Academic Building	1402.87
2.	Lecture Hall Block	799.83
3.	Students Hostels	1402.00
a)	Boys (100 Seats)	2308.04
b)	Girls (50 Seats)	1149.34
4.	**Residence**	
	i) Type-II (20 Nos.)	1264.80
	ii) Type-III (40 Nos.)	3417.80
	iii) Type-IV (08 Nos.)	1428.00

	iv) Type-V (one)	251.27

Plinth Area of Important Buildings

S.N.	Building Name	Plinth Area (Sqm.)
1	AKMU/ ARIS Cell	53.00
2	ATIC	600.00
3	Directorate of AES (Office Building)	320.00
4	Directorate of Extension (Office Building)	1080.00
5	Directorate of Placement	100.00
6	Dean Student welfare	1500.00
7	Examination Hall	720.00
8	Legume Section	765.00
9	Oil Seed Section	790.00
10	Rabi cereal section	529.00
11	Registrar Office	1500.00
12	Store Purchase Section	100.00
13	Transport Section	400.0

Students hostels and Civic Amenities:

College of Agriculture:

SL No.	Student Hostels	Rooms	Seats	Plinth Area
1	Patel Hostel	181	180	G+2 4780.00 Sqm.
2	Abedkar Hostel	90	180	G+1 2320.00 Sqm.
3	Bhagat singh Hostel	90	180	G+1 2320.00 Sqm.
4	Dr. R.P. Hostel	50	50	G+1 1720.00 Sqm.
5	Tilak Hostel	70	140	G+1 2160.00 Sqm.
6	Raman & Bose	36	108	- 700.00 Sqm.
7	R.S.R.P. Hostel	50	100	G+1 1686.00 Sqm.
8	Karpuri Thakur Hostel	34	102	G+1 2298.00 Sqm.
9	Shubash chandra Bose	20	60	668.00 Sqm.
10	International Hostel	12	12	832.00 Sqm.
11	Shekhar Hostel	105	105	G+2 2996.36 Sqm.
12	APJ Hostel	50	50	G+2 2222.00 Sqm.

College of Home Science Hostels, Kanpur

SN	Student Hostels	Rooms	Seats	Plinth Area
1	S.N. Hostel	45	90	G+1 1930.00 Sqm.
2	Godawari Hostel	69	69	G+2 3000.00 Sqm.
3	Jhalkaribai Hostel	22	44	G+1 575.00 Sqm.
4	Working woman Hostel	15	15	418.00 Sqm.
5	Varuna Hostel	105	105	G+2 2996.36 Sqm.

Guest House at Kanpur Campus

SN	Guest House	Plinth Area	Rooms/Suite
1	Teachers guest House	1785.00 Sqm.	26 Nos
2	Farmers guest House	1200.00 Sqm.	09 Nos
3	V.V.I.P. guest House	399.00 Sqm.	02 Nos
4	V.I.P. guest House	1078.00 Sqm.	70 Nos
5	Dr. Babu Singh Kisan Ghar	1225.00 Sqm.	05 Nos Suite & 11 Nos Hall

6	Sir Mayadas guest House	1368.00 Sqm.	14 Nos
7	Dr. Swami Nathan guest House	996.00 Sqm.	08 Nos
8	Narendra Mohan Community Centre	835.00 Sqm.	Rooms, Hall & Dinning Complete

Civic Facilities

SN	Particular	Plinth Area (Sqm.)
1.	Auditorium (Sitting capacity 833 Nos)	1994.34
2.	Dispensary	400.00
3.	Cafeteria	645.00
4.	Bank (SBI)	300.00
5.	Bank (IDBI)	355.00
6.	Post Office	30.00
7.	Sales Outlet (Namaste India)	15.00
8.	Police Chauki	65.00
9.	Badminton Hall	350.00
10.	Recreation Hall	294.00
11.	Swimming Pool	500.00
12.	Football Ground	1000.00
13.	Security Office	150.00

Faculty and Staff Residential Facilities

College of Agriculture, Kanpur

Type	No. of Quarters	Area (Sqm)
Type-A	425	11480.00
Type-B	51	3315.00
Type-C	81	6400.00
Type-D	06	720.00
Old type (Bungalow)	22	4400.00

College of Home Science, Kanpur

Type	No. of Quarters	Area (Sqm)
Old type (Bungalow)	02	400.00

Museum

Museum Plinth Area 750 (Spm.)

Building Constructed at Krishi Vigyan Kendra (KVK)

KVK, Mainpuri

SN	Building name	Area (Sqm)
1.	Farmers Hostel	305.00
2.	Office Building (Incomplete)	540.00

3.	Residences (Incomplete)	
	Type-I	35.00
	Type-II	65.00
	Type-III	90.00
	Demo Unit (Incomplete)	71.50

KVK Aligarh

SN	Building name	Area (Sqm)
1.	Farmers Hostel	305.00
2.	Office Building	540.00
3.	Godown	62.00

KVK Hazaratpur (Firozabad)

SN	Building name	Area (Sqm)
1.	Farmers Hostel	305.00
2.	Office Building	540.00
3.	Residences	
	Type-I (One No.)	35.00
	Type-II (4 No.)	65.00
	Type-III (01)	90.00
4.	Godown	62.00
5.	Dairy Unit	160.00

KVK Raebareli

SN	Building name	Area (Sqm)
1.	Farmers Hostel	305.00
2.	Office Building	540.00
3.	Residences	
	Type-I (01)	35.00
	Type-II (04)	65.00
4.	Implement Shed (under construction)	63.04
5.	Poultry Unit (under construction)	-

KVK Farrukhabad

SN	Building name	Area (Sqm)
1.	Farmers Hostel	305.00
2.	Office Building	540.00
3.	Residences	
	Type-I (01)	35.00
	Type-II (04)	65.00
	Type-III (01)	90.00
4.	Godown	62.00

KVK Lakhimpur Kheri

SN	Building name	Area (Sqm)
1.	Farmers Hostel (under construction)	535.00
2.	Implement Shed (under construction)	63.04
3.	Vermi Unit (under construction)	-
4.	Poultry Unit (under construction)	11.16

Improvement in physical facilities during 2015-16 to 2019-20 in different colleges of the university

Building constructed/renovated during last 5 years (2015-2020)

The university has a grand and spacious academic buildings scattered over at distances. Adequate teaching facilities have been developed over years in the university. They are adequately equipped with experimental fields, sports grounds.

The Shekhar Post graduate Boys' Hostel and Varuna Post Graduate Girls' Hostel. These hostels are most beautifully constructed in main campus of the university. It is replica of the main building of the university's front view.

Building construction during last five years (2015 – 2020)

S. N.	Name of building	Funded by	Total Cost (Rs. in Lakh)
1.	Shekhar-Post Graduate Boys' Hostel	State	973.14
2.	Varuna Girls post graduate Hostel	State	973.14
3.	International Girls Hostel	ICAR	600.00
4.	College of Agriculture, Lakhimpur Kheri Campus	State	4081.47
5.	Administrative Building, KVK, Lakhimpur Keeri	RKVY	120.44
6.	Seed processing& Storage Building(Seed Hub)	ICAR	35.00
7.	Giant Statue of Chandra Shekhar Azad	State	126.14
8.	Construction works of Seed hub(Seed processing Plant) in KVK, Thariyanno, Fatehpur	ICAR	35.00
9.	Construction of Administrative Building works at, KVK, Kasganj (ICAR)	ICAR	135.63
10.	Construction of boys hostel	State	565.76

Farm implements:

S. No.	Name of the Farm	Total Farm Area (ha.)	Total Area under building, store, threshing flour etc.	Area under cultivated (ha.)	Farm Implements	
					Name	Number
1.	C.R.F. Nawabganj,	35.20	9.00	26.20	Tractor	02

	Kanpur				Rotavator	01
					Cultivator	02
					Harrow	02
					Trolley	02
					Thresher	01
					Riper	01
					Leveler	01
					Raze maker	01
					Disc plough	02
					Sid rill machine	02
					Tube Well	02
					Alternator	01
					Power winnowing fan	01
					Power sprayer tractor drown	01
2.	Oil Seed Research Farm, Kalyanpur	55.51	11.51	44.00	Power sprayer	01
					Rotavator	04
					Sid rill machine	02
					Sunflower thresher	01
					14 Disc Harrow	03
					16 Disc Harrow	02
					Leveler	02
					Power Thresher	01
					Alternator	02
					Disc Plough	03
					11 Tine Cultivator	02
					Tractor 02	
					Raze maker	01
					Trolley	04
					Power Winnowing Fan	02
					Seed processing plant (85×53 ft.) (82×32 ft.)	02
3.	C.R.F., Uttaripura, Kanpur	25.80	4.47	21.33	Tractor	01
					Trolley	02
					Sid rill Machine	02
					Thresher	01
					Pedi Thresher	01
					Harrow	03
					Alternator	02
					Diesel Engine	02
					Leveler	02
					Cultivator	04
					Raze maker	02
					M.B. Plough	02
					Sprayer machine	03
					Winnowing Fan	02
					Rotavator	01
					Power Riper	01
					Tube Well	02
4.	Seed multiplication farm & NARP,	174.58	5.00	43.50	Tractor	02
					Trolley	02
					Cultivator	02

	Daleepnagar, Kanpur				Harrow	02
					Mold Board Plough	01
					Thresher	06
					Alternator	01
					Rotavator	02
					Sprayer machine tractor drown	01
					Diesel Engine	06
					D.P. Plough	09
					Potato Seeder	01
					Seed drill machine	04
					Disc plough	01
					Leveler	02
					Chaff cutter	01
					Caze wheel	02
					Electric motor	06
					Potato Digger	01
					Sprayer machine	02
					Power sprayer machine	01
					Compressor	01
					Power Winnowing Fan	01
					Raze maker	01
					Groundnut Thresher	01
					Tube well	03
5.	Seed multiplication farm, Bojha Daleepnagar, Kanpur	117.26	2.00	20.00	Tractor	01
					Rotavator	01
					Cultivator	03
					Harrow	03
					Trolley	02
					Thresher	02
					Riper	01
					Leveler	02
					Raze maker	02
					Disc plough	01
					Seed drill machine	02
					Tube well	03
					Diesel Engine	02
					Alternator	01
6.	C.F.R. Saini, Kushambi	25.20	3.00	22.20	Tractor	02
					Rotavator	01
					Cultivator	02
					Harrow	02
					Trolley	02
					Thresher	01
					Leveler	01
					Seed drill machine	01
					Tube well	01
7.	C.R.F., Mainpuri	16.00	0.00	16.00	Tractor	01
					Cultivator	02
					Straw Riper	01
					Thresher	01
					Single plough	01
					Raze maker	01

					Harrow	03
					Field Marshal Engine	01
					Groundnut peeling machine	01
					Seed drill machine	01
					Leveler	01
					Electric winnowing fan	01
					Manual winnowing fan	01
8.	C.R.F., Kalai, Aligarh	15.89	1.19	14.70	Tractor	01
					Rotavator	01
					Cultivator	02
					Harrow	02
					Leveler	01
					Disc plough	01
					Seed drill machine	01
					Tube well	01
					Diesel Engine	02
9.	C.R.F., Fatehabad, Agra	17.72	0.11	2.40	Nil	Nil
10.	C.R.F., Farrukhabad	3.20	0.80	2.40	Tractor	01
					Cultivator	01
					Harrow	01
					Winnowing Fan	01
					Thresher	01
					Groundnut Thresher	01
					Seed drill machine	01
					Tube well	01
11.	Student Instructional Farm	31.0	3.0	25.8	Tractor	03
					Thresser	05
					Cultivator	03
					Harrow	05
					Rotavator	01
					Levler	02
					Rigmaker	01
					Seed drill	03
					M.B. Plough	02
					Chaff cutter	01
					Electric motor	04
					Statter	01
					Summer sevil pump	03
					Ripper hand	01
					Tractor trolly	03
					Power spare	01
					Statter summer sevil	03
					Chain pulling	02

Creation of Seed Hub

To enhance the availability of quality seed of the pulses in the country and to facilitate the development of infrastructure for seed production ICAR has approved seed hub

"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India" in August, 2016 for our university. Director AES, Dr. H.G. Prakash is the Nodal Officer and Dr. Manoj Katiyar is the Incharge of the Seed Hub.

Area of Operation: Kanpur Nagar, Kanpur Dehat and Bundelkhand region of Central Plain Zone of U.P.

Total Outlay: Rs. 150.00 lakh

Achievements:

Under the Seed Hub, there are two mandates to enhance the availability of quality seed in the country:

(A) To develop infra structure for seed

(B) To produce quality seed under Seed Production programme.

Infra-structure:

Newly Seed godown has been constructed & Mobile Seed Processing Plant has been purchased under the project for pulse seed.

Latest Photograph of Infra- Structure Development

Seed Hub Godown Building

Seed Processing Plant

Seed Production

Under Seed Production, ICAR have been given the following targeted programme to produce the quality seed in different year.

100 Seed-Hubs: Crops and Targets

Crops	Targets for Seed Production (Qt.)				
	2016-17	2017-18	2018-19	2019-20	Total
Chickpea	135	200	200	200	735
Pigeonpea	150	150	150	150	600
Lentil	100	150	200	200	650

Pea	150	150	150	150	600
Mungbean	100	150	150	150	550
Urdbean	100	150	150	150	550
Total	**735**	**950**	**1000**	**1000**	**3685**

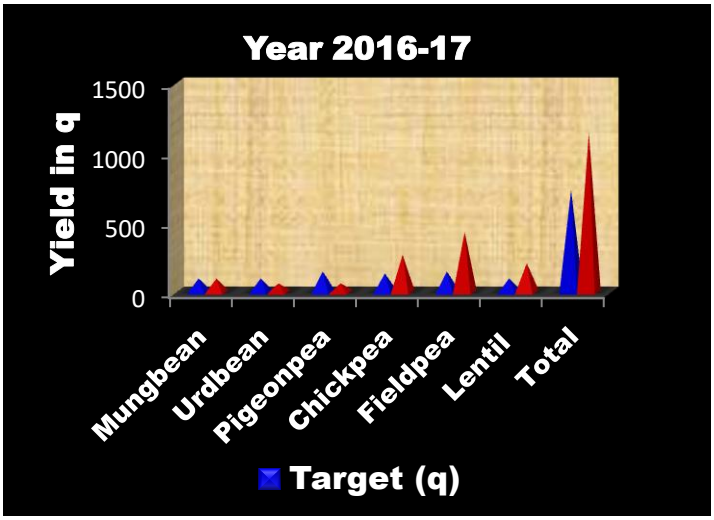
According to target, during the year 2016-17 against the target of 735q of seed production, 1141.43q was produced which was 55.30 % surplus against the target. In the year 2017-18, 1282.43 q quality seed was produced against the target of 250q which was 34.99% higher. Similarly, in the year 2018-19, 30.42% additional seed was produced, 1304.25 q against the target of 1000 q. In the year 2019-20, against the target of 1000 q, 1283.65 q quality seed was produced which was 28.36% additional than the target.

Looking at the overall seed production during last 4 years 39.81% additional quality seed was produced & disposed off among the farmers.

Total Seed Production Target and Achievements during 2016-17

Crop	Target for seed production (q)	Seed production Achieved (q)
Mungbean	100	98.50
Urdbean	100	64.21
Pigeonpea	150	66.00
Chickpea	135	270.29
Fieldpea	150	433.43
Lentil	100	209.00
TOTAL	735	1141.43

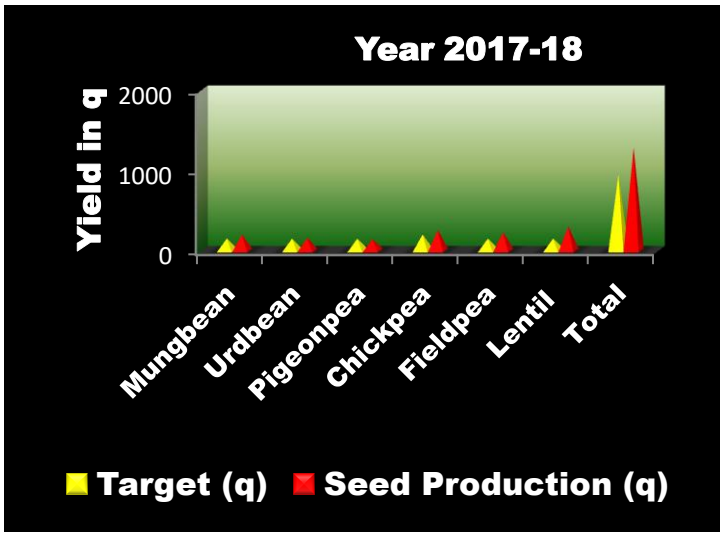
- Target given by ICAR = 735.00q
- Seed Produced = 1141.43 q
- Surplus Seed produced over and above the target = 406.43 q
- Per cent increase above the target = 55.30%



Total Seed Production Target and Achievements during 2017-18

Crop	Target for seed production (q)	Seed production Achieved (q)
Mungbean	150	197.64
Urdbean	150	157.00
Pigeonpea	150	141.54
Chickpea	200	257.05
Fieldpea	150	228.00
Lentil	100	300.30
TOTAL	950	1282.43

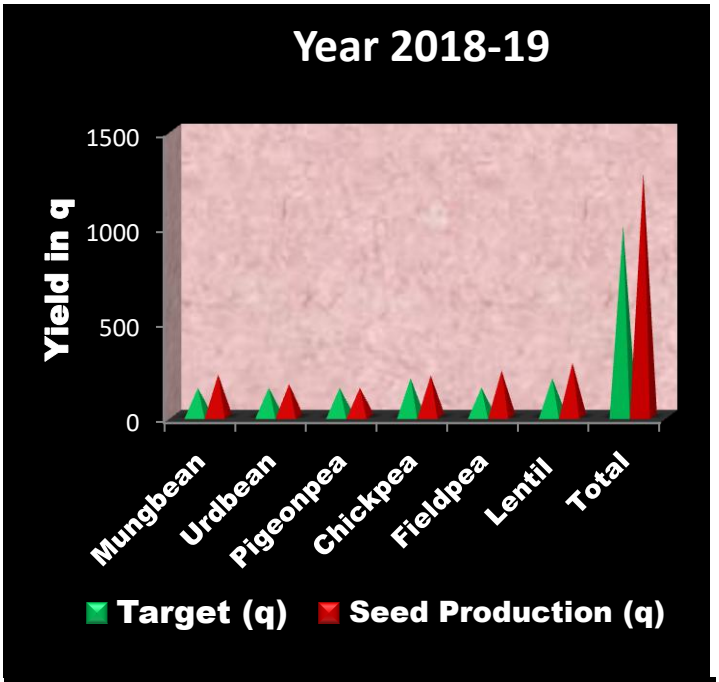
- Target given by ICAR = 950.00q
- Seed Produced = 1282.43 q
- Surplus Seed produced over and above the target = 332.43 q
- Per cent increase above the target = 34.99%



Total Seed Production Target and Achievements during 2018-19

Crop	Target for seed production (q)	Seed production Achieved (q)
Mungbean	150	238.00
Urdbean	150	156.00
Pigeonpea	150	150.00
Chickpea	200	226.75
Fieldpea	150	226.00
Lentil	200	307.50
TOTAL	1000	1304.25

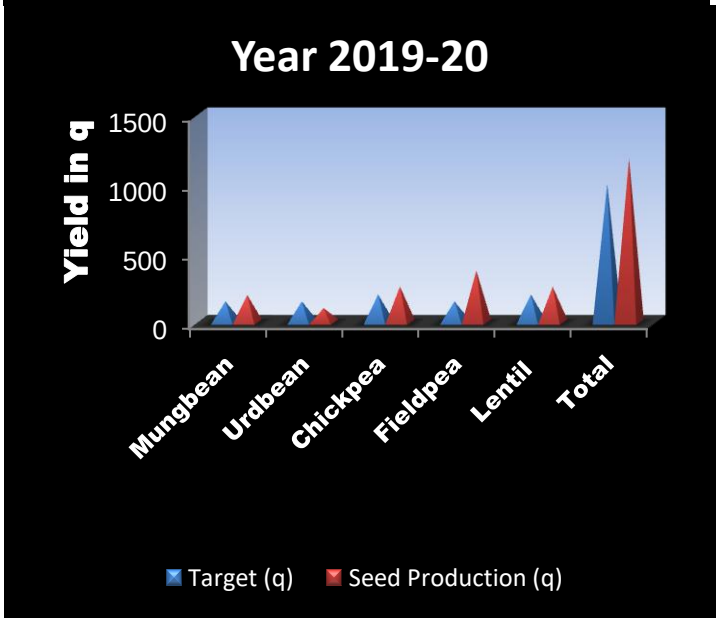
- Target given by ICAR = 1000q
- Seed Produced = 1304.25 q
- Surplus Seed produced over and above the target = 304.25 q
- Per cent increase above the target = 30.42%



Total Seed Production Target and Achievements during 2019-20

Crop	Target for seed production (q)	Seed production Achieved (q)
Mungbean	150	175.65
Urdbean	150	101.25
Pigeonpea	150	120.00
Chickpea	200	258.00
Fieldpea	150	373.75
Lentil	200	255.00
TOTAL	1000	1283.65

- Target given by ICAR = 1000q
- Seed Produced = 1283.65 q
- Surplus Seed produced over and above the target = 283.65 q
- Per cent increase above the target = 28.36%



Monitoring of different crops under Seed Hub Project during the year 2017-18

Monitoring by Joint director IISR Lucknow

Monitoring by Director IISR Lucknow

Monitoring by Director Research & JDR

Monitoring by Sectional team

Monitoring by Seed certification

Monitoring by Director IISR Lucknow

Monitoring by ADR Kanpur

Monitoring by DD Certification

Monitoring by JDR, IISR, Lucknow

Monitoring by Incharge Seed Hub

Monitoring by Incharge Seed Hub

Monitoring by Incharge Seed Hub

6.6.7.2. IT Infrastructure

A brief report on University ARIS Cell shall be given. Give the information on LAN connectivity, Wi-Fi/internet facilities in campus and hostels; Computer based library management, videoconferencing facilities, smart class rooms and workshops etc.

The advent of information Age has thrown open new challenges and opportunities for Indian Agriculture. Vaseness and diversity of our agriculture is reflected by the fact that it caters to incredibly diverse habits and practise of our agrarian population. The new World Economic Order and Globalization of markets calls for prompt and efficient infrastructure, better resource management and competitiveness of existing agricultural production system. Agricultural information is vital to fulfill these dictates of time Quick access to information at global level through electronic media thus provides the way to tackle future challenges of Indian Agriculture.

ARIS Cell

Agricultural Research Information System (ARIS) Cell funded by ICAR was established in 1998 under the Administrative control of the Director Research as a central

facility. In the year 2011 ICAR had rename the ARIS Cell to AKMU. The Cell is located in the new building of the College of Agriculture. Presently, Dr. Anand Swaroop Srivastava is the Officer-in-charge of the AKMU.

It has been equipped with infrastructures like Linux server, WiFi AP, Computer workstations, printers and various software's like-SAS, Corel etc. E-mail and internet connectivity through NIC 1 Gbps Fiber link is being used by more than 250 nodes. The website of the University www.csauk.ac.in is hosted and maintained by the AKMU. It provides the information about all the research, teaching and extension activities of the university and has interconnected all the departments.

The Cell also provides facilities such as LAN/WiFi connectivity to various offices of the university and all Departments in the College of Agriculture, college of Forestry, college of Horticulture and college of Home Science. All faculty members of the university have been trained in various usages of computer software programme and applications viz: Basics, Windows, MS-Office, Networking, E-mail, internet, data analysis and project planning. The well furnished AKMU Cell with up-to-date technology facilitates an improved teaching-learning experience, enhances teaching efficiency and assists in research amongst faculty members.

Major Objective

- To put information close to the manager and scientist who use it.
- To build and improve the capacity to organize, store, retrieve and use the relevant information into the agricultural research by researchers and teachers by collecting, organizing and retrieving relevant informations as per their needs.
- To develop regular procedures and mechanisms for other organizations to share information with our university.
- To improve the capacity of researcher to plan, monitor and evaluate research programmes in efficient manner.
- To provide capacity building on computers/IT support and internet security by organizing need based training programmes.
- To provide and maintain internet connectivity to all departments, teachers and students.

Jio Fiber Free Wi-Fi Connectivity in Various locations in campus

A MoU has been signed between university and Reliance Jio Infocomm Limited (RJIL) for providing internet connectivity through optical fiber/wireless media. The University is being benefitted with this MoU in the following manner:

- Free internet connectivity in the University campus upto I GB/ month usage limit to each user.
- RJIL has installed 6 towers (GBM) at different location in the university and University charging the rent from RJIL for all 6 GBM on annual basis.

Institutional Data base and website update

Website Management

- The website of the university www.csauk.ac.in has been developed and maintained by this unit and updated by the AKMU.
- On the website all the important information of university like administrative and financial, all circular, examination notice, important events, tender, placement and recruitment notices are being placed on university website for wide accessibility on daily updation basis.

Internet Security and Management:

- Cyber roam UTM/Firewall device installed at AKMU is being maintained and updated properly as per need.
- The website of university is being maintend by AKMU. The updation, up-gradation, designing and restructuring of web site is done through external service providers on annual basis.

Details of LAN /Wi-Fi Connectivity provided in the university campus

- **Colleges Connected:** There are four colleges viz; College of Agriculture, College of Home Science, college of Horticulture and college of Forestry situated in Kanpur. All colleges are well connected with LAN.
- **College of Agriculture:** All the department of College of Agriculture are well connected through Fibre /RF link / CAT-5 media. The internet connectivity is being provided in the college through 1Gbps NIC-NKN leased link.
- **College of Home Science:** In the college of Home Science Computer Lab is connected with LAN (OFC media from AKMU) and from computer lab all 5 departments. Viz; Child & Human Development, Clothing & Textile, Food Science & Nutrition, Family Resource Management, Extension Education &Communication Management. Along with the office of Dean Home Science through CAT-5 Cable.
- **College of Forestry:** In the college of Forestry connected with LAN through CAT-5 Cable via Dairy department.
- **College of Horticulture:** In the college of Horticulture is connected with LAN through OFC Cable via AKMU.
- **Connectivity in Boys hostel:** AKMU also provides facilities such as LAN/Wi-Fi connectivity to boys hostel Sir APJ Kalaam Hostel, Tilak , Patel, Shatabdi , RP ,A Block and B Block.
- **Connectivity in Girls hostel:** AKMU also provides facilities such as LAN/Wi-Fi connectivity to girls' hostel S.N Sen, Godawari, Sarojini and Srimjivi Girls hostel.
- **Major Administrative offices Connected:** All administrative offices connected through 1Gbps NIC-NKN leased line.
- **Jio Fiber Free Wi-Fi Connectivity in Various locations in campus**
- Free internet connectivity to major location in the University campus up to 1 GB/month limit to each user.
- Vedio conferencing facility is available in Vice-Chancellor Committee Room.
- Eight smart class rooms are available for students.

6.6.7.3. Students and Staff Amenities

Give brief report on the sporting and recreational activities, employment and career advice, child care, financial advice and food services, entertainment avenues etc. available in the campus.

Students Amenities

i) Hostels, library, cafeteria, mess, travel concessions, medical, group insurance, scholarships, aids & awards, anti-ragging etc. facilities are available colleges of this university for students.

ii) There are available neat & clean environment in this university.

Hostels

Details of Hostels in the University including Constituent College:

S. N.	Name of Hostel	Type of Hostel (Boys/ Girls/ International)	Place with District	Accommodation Facilities in Number	
				Rooms	Beds
College of Agriculture, Kanpur					
1.	R.S.R.P. Hostel	Boys	Kanpur	45	135
2.	Karpuri Thakur Hostel	Boys	Kanpur	33	99
3.	Ambedkar Hostel	Boys	Kanpur	85	170
4.	Bhagat Singh Hostel	Boys	Kanpur	85	170
5.	C.V. Raman Hostel	Boys	Kanpur	09	18
6.	Subhash Chandra Bosh Hostel	Boys	Kanpur	19	57
7.	Tilak Hostel	Boys	Kanpur	67	134
8.	Dr. A.P.J. Abdul Kalam Hostel	Boys	Kanpur	49	98
9.	Satabdi Hostel	Boys	Kanpur	38	76
10.	Rajendra Prasad Hostel (Old PG)	Boys	Kanpur	48	48
11.	Patel Hostel	Boys	Kanpur	181	181
12.	International Hostel	Boys	Kanpur	14	14
13.	Shekhar PG Hostel	Boys	Kanpur	105	90
14.	Varuna PG Girls Hostels	Girls	Kanpur	105	90
College of Home Science, Kanpur					
15.	Godavari Hostel	Girls	Kanpur	68	68
16.	Shrimjivi Hostel	Girls	Kanpur	19	19
17.	Sarojni Naydu Hostel	Girls	Kanpur	22	22
18.	Jhalkaribai Hostel	Girls	Kanpur	21	21
College of Agricultural Engineering & Technology, Etawah					
19.	Vishwesharya Hostel	Boys	Etawah	100	100
20.	C.V. Paul Hostel	Boys	Etawah	200	200
21.	Dr. Kurian Hostel (Fisheries)	Bosy	Etawah	200	200
22.	Kalpna Chawla Hostel	Girls	Etawah	40	40
23.	Laxmi Bai Hostel	Girls	Etawah	50	50
24.	Capt. Laxmi Sehgal Hostel	Girls	Etawah	20	20

Sport facilities

Name of the College	Sports facilities available	
College of Agriculture, Kanpur	13.	Hockey field
	14.	Football field
	15.	Basket Ball court
	16.	Indoor badminton hall
	17.	Gymnasium hall (non-standard)
	18.	Open air swimming pool
	19.	Cricket ground
	20.	Stadium without pavilion and roof
	21.	Indoor stadium for carrom and table tennis
	22.	Kho-Kho court
	23.	Athletic track
	24.	Volley ball court
College of Home Science, Kanpur	2.	Badminton court
	3.	Volleyball court
	4.	Indoor carrom and table tennis hall
College of Agricultural Engineering	9.	Gymnasium hall

& Technology, Etawah	10.	Football field
	11.	Badminton court
	12.	Cricket ground
	13.	Indoor game centre for carrom and table tennis
	14.	Kho-Kho court
	15.	Athletic track
	16.	Volley ball court

Career Counseling

The University imparts job oriented professional education in the fields of Agriculture, Horticulture, Forestry, Home Science, Agricultural Engineering, Fisheries and Dairy Technology. The duty of the University towards its students does not end here but includes finding suitable employment also for its Alumni so that their training and abilities are utilized for the benefit of the nation. In order to achieve this object, the University has setup a full-fledged Directorate of Placement in 2001, which is working well till date. The degree holder graduate and post-graduate students of various departments of different faculties are given counselling for job opportunities in public and private sector organizations/ companies/ industries.

Cultural Facilities

In order to boost up the talent of the students, cultural programmes, debate, essay, painting competitions etc. are regularly being organized in the University and winners are sent to participate in various inter-university, National and State level competitions. Sufficient opportunities and facilities are provided to the students at each college for taking part at Campus/ Inter-Campus/ Inter-university/ Inter-zone/ National level cultural activities for their overall development. In lieu of Student Associations, different clubs viz., Fine Arts, Science, Social Service and Literary are functioning at different colleges of the University. The University used to organise cultural activities during Independence Day, Republic Day, Gandhi Jayanti, Lal Bahadur Shastri Jayanti, Ambedkar Jayanti, Swami Vivekananda Jayanti, Chandra Shekhar Azad Jayanti and Farmer Day celebrations at Headquarters and at other college campuses.

Cafeteria and Mess Facilities

Cafeteria facilities are being provided to all the students. Permanent buildings have been provided for cafeterias at Kanpur and Etawah campuses. In every hostel atleast one mess is running for the students in the given space.

Medical Facilities

To provide minimum medical aid to students for treatment of common ailments, the University has a small health centre at Kanpur. The centre is mean for first aid facility to the students, faculty and other staff members. For medical consultancy, 24 hrs services are available to the students. The medical officer provides medical advice and treatments for small and temporary illnesses in boys at Kanpur and Etawah Campuses. Similarly, lady doctor provides medical advice and treatments for small and temporary illnesses in girls at College of Home Science and Agriculture, Kanpur. The students are given medicines free of cost and in case of emergency or in long-term illness and serious cases, the students are admitted in the Government hospital, for which the medical officer acts as a liaison man. If a student is admitted; the Insurance Company bears the whole expenditure. An ambulance is also available at Kanpur and Etawah to provide services in emergent cases round the day.

Bank and ATM Facilities

At university head quarter two banks i.e. State Bank of India with ATM and IDBI Bank branches are operating for all the students and staff.

Staff Amenities

The University campuses have residential accommodation for teachers, scientists and farm labours on the campuses. On the whole the University provides accommodation to 585 employees (*including type A, B, C, D and old type Bunglow*) and details are presented in following Table.

Availability of Residential Accommodation for Faculty and Employees:

S. No.	Teaching Campuses	Faculty and staff residential Quarters			Total Area (m^2)
		Type	Total No.	Area (m^2)	
1.	College of Agriculture, Kanpur	Type-A	287	40	11480
		Type-B	60	65	4215
		Type-C	80	80	6400
		Type-D	6	120	720
		Old type (*Bunglow*)	37	200	8100
2.	College of Home Science, Kanpur	Old type (*Bunglow*)	2	200	400
3.	College of Agricultural Engineering & Technology, Etawah	Type-VI	1	300	316
		Type-V	8	200	1811
		Type-IV A	16	180	3120
		Type-IV B	16	120	2194
		Type-III	42	100	4513
		Type-II	42	65	3203
		Type-I	12	40	497
	Total		**585**		**46969**

At the Kanpur campus there is a primary school for the benefit of its members and University Employees from Nursery to 8th Standard for about 300 students. The plinth area of the campus school is 365 m^2.

6.6.8. Financial Resource Management

6.6.8.1. Budget allocation

Give the budget allocation (College wise) for salary, contingency and amount received through the ICAR development grant during last five years. Give a note on the sufficiency of the fund to meet the academic requirement in last five years.

Year wise budget received through ICAR development grant

S. N.	Financial Year	ICAR Development Grant (in Rs.)	
		Grants	Cont./Other
1.	2015-16	35791000	31625639
2.	2016-17	63656000	47494616
3.	2017-18	65079000	61470876
4.	2018-19	52744000	37714656
5.	2019-20	13500000	10719405
Total		**23,07,70,000**	**18,90,25,192**

Year wise budget received from ICAR for KVKs and AICRPs

S. N.	Financial Year	KVK			AICRP		
		Grants	Pay	Cont.	Grants	Pay	Other
1.	2015-16	147746640	129849875	10335847	145734223	106877605	11406430
2.	2016-17	159988000	145584244	10216548	142735537	126013463	13397366
3.	2017-18	145791350	131723332	10456325	115788996	121329241	9661216
4.	2018-19	150473000	136497344	10236985	120369283	83827790	11882942
5.	2019-20	164961498	142275369	10433521	69237502	91500500	10824863
Total		**768960488**	**685930164**	**51679226**	**593865541**	**529548599**	**57172817**

College wise grants received from State Government

(Rs. in Crore)

SN	Name of College	2015-16		2016-17		2017-18		2018-19		2019-20	
		Salary	Contingency	Salary	Contingency	Salary	Contingency	Salary	Contingency	Salary	Contingency
1.	College of Agriculture, Kanpur	**51.50**	**0.75**	**56.65**	**0.75**	**69.0027**	**0.75**	**77.2892**	**0.75**	**79.1444**	**0.75**
2.	Maharani Avanti Bai College of Home Science, Kanpur	-	-	-	-	-	-	-	-	-	-
3.	College of Horticulture, Kanpur	-	-	-	-	-	-	-	-	-	-
4.	College of Forestry, Kanpur	-	-	-	-	-	-	-	-	-	-
5.	Baba Saheb Dr. Bhim Rao Ambedkar, College of Agricultural Engineering, Etawah	**4.0781**	**0.2221**	**4.3859**	**0.2221**	**4.0145**	**0.2221**	**4.5926**	**0.2221**	**4.7304**	**0.2221**
6.	College of Dairy Technology, Etawah.	-	-	-	-	-	-	-	-	-	-
7.	College of Fisheries Science & Research Centre, Etawah.	-	-	-	-	-	-	-	-	-	-
8.	College of Agriculture, Lakhimpur Kheri Campus	-	**0.75**	-	-	-	**0.45**	-	**0.45**	-	-

6.6.8.2. Finance Committee

Provide the schedule of the meetings of the financial committee held in last five years.

The Finance Sub-committee of the university functions under the Chairmanship of Vice Chancellor with Comptroller as the Member-Secretary. The Finance Sub-committee has representatives from the Board of Management. The composition of the Finance Sub-committee includes Vice Chancellor as Chairman, Comptroller as Member-Secretary and two members – one ex-officio from State Government representative and the other chosen from the Board of Management.

The power and duties of the Finance Sub-committee are:

- To examine the accounts of the University and its annual budget estimates and to advise the Board of Management therefore.
- To review the financial position of the University from time to time, and
- To make recommendations to the Board of Management on the new or revised proposals involving expenditure.

During the period under report the University Finance sub-committee meeting was held on 14.09.2020.

6.6.8.3. Internal Resources Generation

Give a comprehensive report (College wise) internal resource generation through different sources for last five years. How this money is being utilized for the academic programmes and research work of students? Give a brief note.

There is no provision of the College wise Internal Resource Generation. The resource generated at University level is tabulated below:

Year	Revenue generated through Internal sources (in crores)
2015-16	14.67
2016-17	25.55
2017-18	24.82
2018-19	31.41
2019-20	19.99

6.6.8.4. External Funding

How much resources the University has mobilized from the external sources (give the list) based on the competitive mode in last five year?

Year wise budget received through Research Project s on competitive mode:

S. N.	Financial Year	Adhoc Project		
		Grants	Pay	Cont.
1.	2015-16	49376836	17969603	13224460
2.	2016-17	42919264	18826741	11820739
3.	2017-18	17393739	8586789	3289895
4.	2018-19	13747194	3567956	4907217
5.	2019-20	11336029	3406701	4718381
Total		**134773062**	**52357790**	**37960692**

6.6.8.5. Financial Powers Delegation to Deans/Heads

Give a report on the financial autonomy to College Deans, University officers and Head of the Departments.

Yes, the financial autonomy and sanctioning power to the Deans and other statutory officers of the university have been already delegated by the competent authority as listed below:

SN	Name of the Statutory officers	Financial sanctioning power delegated (Rs.)
1.	Dean, Agriculture College of Agriculture, Kanpur	50,000.00
2.	Dean, College of Horticulture, Kanpur	50,000.00
3.	Dean, College of Forestry, Kanpur	50,000.00
4.	Dean, College of Home Science, Kanpur	50000.00
5.	Dean, College of Agricultural Engineering & Technology, Etawah	50,000.00
6.	Dean, College Dairy Technology, Etawah	50,000.00
7.	Dean, College of Fisheries Science & Research Centre, Etawah	50,000.00
8.	Dean, College of Agriculture, Lakhimpur Kheri	50,000.00
9.	Director, Agricultural Experiment Station	50,000.00
10.	Director, Extension	50,000.00
11.	Director, Seed & Farms	50,000.00
12.	Project In-charge, AICRP/Principal Investigator Research Project	10,000.00
13.	Head of KVKs	20,000.00

6.6.8.6. Finance Utilization

Mention in brief about per cent finance utilization in last five years.

The education division of ICAR provided funds under Development Grant, RAWE, Library Strengthening, National Talent Scholarship, Junior Research Fellowship or PG Scholarship, Senior Research Fellowship (SRF), Nepal Aid Fund, India Afganistan Fellowship, ELP (Production Technology of Biofertilizer) and ELP (Seed Production & Seed Processing Technology) during 2015-16 to 2019-20. The details of the grant received, utlized and percentage budget utilization is given in following table:

Year-wise grant received (ICAR Education Division) under different heads and utilized during last five years ***(In lakh)***

SN	Scheme	2015-16		2016-17		2017-18		2018-19		2019-20	
		Amount Received	Expend-iture	Amount Received	Expend-iture	Amount Received	Expend-iture	Amount Received	Expend-iture	Amount Received	Expend-iture
1	Development Grant	357.9	316.25	636.55	474.94	657.61	618.69	327.44	296.54	135	107.91
2	RAWE	-	-	23.76	25.13	32.41	21.64	33.12	21.64	22.86	21.57
3	Library Strengthening	-	-	35.5	-	16	14.61	-	-	14	2.44
4	National Talent Scholarship	3.63	1.55	10.2	4.49	34.1	20.49	38.72	23.97	36.39	26.06
5	Junior Research Fellowship or PG Scholarship	-	-	1.91	-	1.88	-	3.46	3.22	5.76	4.82
6	Senior Research Fellowship (SRF)	-	-	-	-	-	-	-	-	2.44	2.44

7	Nepal Aid Fund	-	-	-	-	1.84	1.13	2.74	1.32	1.42	0.15
8	India Afganistan Fellowship	-	-	-	-	-	-	9.7	7.44	5.52	3.53
9	ELP (Production Technology of Biofertilizer)	-	-	-	-	-	-	40	1.95	47.39	34.66
11	ELP (Seed Production & Seed Processing Technology)	-	-	-	-	-	-	88.67	31.82	56.84	13.77
Total		**361.53**	**317.8**	**707.92**	**504.56**	**743.84**	**676.56**	**543.85**	**387.9**	**327.62**	**217.35**
Budget Utilization (%)		**-**	**87.90**	**-**	**71.27**	**-**	**90.96**	**-**	**71.32**	**-**	**66.34**

Year-wise grant received (ICAR Education Division) and utilized during last five years

Year	Amount Received (Rs. in Lakh)	Expenditure (Rs. in Lakh)	Budget Utilization (%)
2015-16	361.53	317.8	87.90
2016-17	707.92	504.56	71.27
2017-18	743.84	676.56	90.96
2018-19	543.85	387.9	71.32
2019-20	327.62	217.35	66.34
Total	**2684.76**	**2104.17**	**78.37**

The budget utilization ranged from 66.34 to 90.96 per cent. The highest and lowest budget utilization were recorded during 2017-18 and 2019-20, respectively. Overall 78.37% budget was utlized on average basis.

6.6.9. Accomplishments

6.6.9.1. Awards for the University

Provide the detailed list of Regional, National and International/Awards/ recognition received by the University in last five years.

Details of the national awards/recognition received by the uiversity in the last five year is given here as under:

Chandra Shekhar Azad University of Agricultrue & Technology, Kanpur bagged 'Best Institution Award' for uploading NISAGENET data by Agricultural Education Division of ICAR.

Chandra Shekhar Azad University of Agriculture & Technology, Kanpur was honoured by National Academy of Agricultural Sciences, New Delhi on the occasion of Golden Jubilee of Green Revolution 2015.

Chandra Shekhar Azad University of Agriculture & Technology, Kanpur was honoured for developing Varuna (mustard), T-44 (Moongbean), T-9 (Urdbean), Radhey (Chickpea) & Jyoti (Barley) varieties by Indian Society of Genetics & Plant Breeding on occasion of The Platinum Jubilee Celebration of ISGPB on Feb. 11, 2017 at IARI, New Delhi

National/International Awards/Recognition won by the faculty during the last five years.

2015-16

1. Dr A.P. Dubey awarded by SAP fellow award in 4th National Symposium on Transforming Indian agriculture towards food and nutritional security on 20-21 February 2016 at IGFRI, Jhansi, India.
2. Dr H.G. Prakash conferred by Distinguished Scientist Award by Astha Foundation for his outstanding contribution in the field of Animal Nutrition on the occasion of National conference on Global research initiatives for sustainable agriculture & allied sciences (GRISAAS-2015) during 12-13 December, 2015 held at Rajmata Vijayaraj Scindia Krishi Vishawavidyalaya, Gwalior (M.P.) India.
3. Dr Kaushal Kumar awarded by Swami Vivekananad Award-2015 for excellent services as programme coordinator, National Service Scheme of University.
4. Dr Kaushal Kumar awarded by Best poster presentation award in 4th Uttar Pradesh Agriculture Science Congress on Strategic governance and technology advancement for sustainable agriculture held from March 2-4, 2016.
5. Dr Kaushal Kumar awarded by Best Scientist of the year -2016 Given by Society of Science & Nature at the occasion of International Seminar on "Recent Trends and Experimental Approaches in Science, technology and nature, December 23-24, 2016.
6. Dr Kaushal Kumar awarded by Certificate of Honour-2015 for significant contribution and support in strengthening and promotion of activity of society by Society of Agricultural Professional.
7. Dr Kaushal Kumar awarded by First poster prize in National conference on Global research initiative for sustainable agriculture and allied sciences Aastha foundation, Meerut at RVSKVV, Gwalior (M.P.)

8. Dr Mahak Singh, Professor/ Breeder (R&M) conferred by Dr Mangla Rai Vishist Krishi Vaigyanik Puruskar-2015 for his outstanding contribution in the field of crop improvement (Oilseeds and millets) on the occasion of 4th U.P. Agricultural Science Congress held on March 04, 2016.

9. Dr P.K. Sharma awarded by Distinguished Scientist Award by Society for Scientific Development in Agriculture & Technology at National Conference on Global research initiatives for sustainable agriculture and allied science(GRISAAS-2015) on December 12-13, 2015.

10. Dr Ram Ji Gupta achieved Excellence in Teaching Award Samagra Vikas Welfare Society, Lucknow and Amulya Sanchay Producer Company Limited on the occasion of International seminar on indigenous technologies for sustainable agriculture & better tomorrow held on 09-10 January, 2016 at N.B.R.I. Lucknow (U.P.).

11. Dr RamJi Gupta received Young Scientist Award from Society for Scientific Development in Agriculture & Technology, Meerut (U.P.) on the occasion of National Conference on Global research initiatives for sustainable agriculture & allied sciences held on December 12–13, 2015 at RVSKVV, Gwalior (M.P.).

12. Dr S.P. Singh awarded by Outstanding Scientist in Agriculture Award by Scientific and Educational Research Society in international conference on innovative approaches in applied science and technologies (ICIAST-2016) on February 01-05, 2016.

13. Dr S.P. Singh awarded by Science Leader Award at National conference on global research initiatives for sustainable agriculture and allied science (GRISAAS-2015) on December 12-13, 2015 held at Rajmata Vijayaraje Scindia Krishi Vishawavidyalaya, Gwalior (M.P.) India.

14. Dr. Mithilesh Verma awarded by Rashtriya Gaurav Award- 2016 by Dr. Bhishma Narayan Singh, Governor Tamilnadu and Assam on 09-06-2016 at Lodhi Garden, New Delhi.

15. Dr. Mithilesh Verma Best Social Service Award by Indian Society of Genetic Biotechnology, KVK, Banasthali Vidyapeeth, Rajasthan- 2015.

16. Dr. Neelma Kunwar received Presidential Appreciation Award 2015 for outstanding work done in the field of Training/ Research/ Extension in International Conference at Indian society of genetics, biotechnology research and development, Agra on Feb. 18-20, 2015.

17. Dr. R.K. Yadav conferred by Distinguished Scientist Award by Astha Foundation on the occasion of National conference on Global research initiatives for sustainable agriculture & allied sciences (GRISAAS-2015) during 12-13 December, 2015 held at Rajmata Vijayaraj Scindia Krishi Vishawavidyalaya, Gwalior (M.P.) India.

18. Dr. R.K. Yadav received Dr. Z. Ahmad Vishishth Krishi Vaigyanic Puraskar by UPAAS Lucknow on the occasion of 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advance for sustainable agriculture organized by CSAUAT Kanpur, UPCAR and UPAAS Lucknow at CSAUAT Kanpur on March 2-4, 2016.

19. Dr. Shweta achieved Best Teaching Award on the occasion of National conference on Sustainable agriculture development through biotechnological techniques and its impact on food security, human welfare & climate held on Feb. 28 & March 01, 2015 at Monad University Hapur (U.P.) India.

20. Dr. V. K. Tripathi achieved Dr. Ram Kripal Pathak Vishisht Krishi Vaigyanic Horticulture (Fruits) Puraskar-2015 on the occasion of 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advance for sustainable agriculture organized by CSAUAT Kanpur, UPCAR and UPAAS Lucknow at CSAUAT Kanpur on March 2-4, 2016.

21. Dr. V. K. Tripathi achieved Fellow Award 2015 on the occasion of National Conference on Recent Advance in diversified agricultural system at Muzaffer Nagar (U.P.) on 20-21 Feb, 2016.

22. Dr. V. K. Tripathi received Young Scientist Award for his outstanding contribution in Horticulture on the occasion of National Conference on Global research initiates for sustainable agricultural & allied science organized by Astha Foundation, Meerut (U.P.) India at RVSKVV, Gwalior (M.P.) on 12-13 December, 2015.

23. Dr. Y.K. Singh achieved The Excellence in Communication Award by Astha Foundation, 85- Phool Bag Colony, Meerut (U.P.) in National Conference on Global research initiatives for sustainable agriculture and allied sciences (GRISAAS-2015) on 12-13 December 2015 held at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.) India.

24. National Academy of Agricultural Sciences an ICAR, New Delhi honoured University on its Golden Jubilee of Green Revolution (2015) held on November 27, 2015 at Indian Agriculture Research Institute Pusa New Delhi for evolving rust resistant dwarf varieties of wheat.

25. Prof. J.P. Yadav received Distinguished Scientist Award by Venus International Foundation Centre for Advance and Research Design (VIFRA, 2015) on December 19, 2015 for the contribution and achievement in the field of Thermal Engineering.

2016-17

1. Dr Bhupendra Kumar Singh awarded with Certificate of Honour by ICAR-ATARI, Kanpur for compiling of Annual reports of KVKs and contribution to farming community in KVKs workshop held at ICAR-IISR, Lucknow from 26-28, May, 2016

2. Dr C.L. Maurya Professor & Head, Department of Seed Science & Technology awarded by Rajiv Gandhi excellence Award-2016 from Maiher Times for his distinguished services & outstanding contribution to the Country on November 14, 2016.

3. Dr.D.R.Singh, Professor & Head, Dept. of Antology fellowship award Global Agriculture Conference 3rd International Conferenece at Noida

4. Dr H.G. Prakash, Director Research awarded by Rajiv Gandhi excellence Award-2016 from Maiher Times for his distinguished services & outstanding contribution to the Country on November 14, 2016.

5. Dr Manoj Katiyar Assistant Professor Legume Section awarded by Dr Shanker Lal Vishisht Krishi Vaigyanik Puraskar 2016 for his outstanding contribution in the field of Crop Improvement (Pulses) on the occasion of 28th foundation day of UPCAR organized by Uttar Pradesh Academy of Agricultural Sciences, Lucknow on June 14, 2017 at ICAR Indian Institute of Sugarcane Research (IISR), Lucknow.

6. Dr Mithilesh Verma received Mother Teresa Excellence Award by India International Friendship Society.

7. Dr Mithilesh Verma received Outstanding Scientist Award by International Journal of Agriculture and Serials Publications Pvt. Ltd., New Delhi.

8. Dr Mithilesh Verma received Rastriya Gaurav Award by International Friendship Society.

9. Dr Mukta Garg received Bharat Vikas Award by Institute of self reliance at Bhubaneswar.

10. Dr Ratan Prakash Singh Professor, Head Department of Soil Conservation & Water Management was awarded Dr Suraj Bhan Vishisht Krishi Vaigyanik Puraskar-2016 for his outstanding contribution in the field of Natural Resource Management (Soil & Water Management) on the occasion of 28th foundation day of UPCAR organized by Uttar Pradesh Academy of Agricultural Sciences, Lucknow on June 14, 2017 at ICAR Indian Institute of Sugarcane Research (IISR), Lucknow.

11. Dr Ritu Pandey, Assistant Professor, Textiles & Clothing, was adjudged outstanding participant in a short course on Value Addition in Jute & Allied Fibers through Product Diversification & Waste Utilization (15-09-2016 to 05-10-2016) at NIRJAFT, ICAR, Kolkata.

12. Dr S.K. Bishwas awarded by Young Scientist Associate Award–2016 by Bioved Research Institute of Agriculture, Technology & Sciences, Allahabad.

13. Dr S.K. Bishwas received SPPS Meritorious Scientist Awards–2017 from Society of Plant Protection Sciences, New Delhi.

14. Dr Sangeeta Gupta received Adarsh Vidhya Saraswati Rastriya Award in Excellence for outstanding contribution in the field of education research, innovative practices in teaching, Feb. 2, 2017 from Global Management Council, Gujrat.

15. Dr Sangeeta Gupta received Distinguished Women in Home Science Award (VIWA) by Radha Regent, Chennai.

16. Dr Sangeeta Gupta received Eminent Professor/Scientist-2016 in Indian Society of Genetics Biotechnology Research & Development on New Challenges in Biotechnology and Molecular Biology in the context of 21st Century (NCBMBCC) at St. John College, Agra.

17. Dr V.K. Tripathi, Associate professor, Horticulture, received "Excellence in Teaching Award" from Society for Scientific Development in Agriculture & Technology National conference on innovative and current advances in Agriculture & Allied Science, Jointly organized by SSDAT, Meerut (U.P.) and foundation, Meerut, (U.P.) at Prof. Jayashankar Telangna State Agriculture University, Rajendranagar, Hydrabad (Telangana) on December 10-11, 2016

18. Dr Vijay Kumar Yadav awarded Bioved Fellowship Award 2017 by Bioved Research Institute of Agriculture & Technology, Allahabad for outstanding contribution in the field of Rice Breeding during 19th Indian Agricultural Scientists and Farmers' Congress on Prospects of green economy and Value addition Technology for attracting and retaining youth in Agricultural and Rural sector held from 18-19 Feb.2017 at Allahabad

19. Dr Vijay Kumar Yadav awarded Fellow Award by Society for Scientific and Social Development, Meerut during National conference on Emerging Trends in Agricultural Science and its Impact on sustainable livelihood held at Shobit University, Meerut from February 25-26, 2017

20. Dr Vijay Kumar Yadav honoured with Harit Puruskar, a National Award by AIASA, 2017 for his outstanding contribution in carrying out farm youth welfare activities in U.P. and empowering youth in agriculture during in 2nd "National Youth convention on Agricultural Innovations in Sustainable Food System for improving Rural livelihood:

The youth Perspective" held at University of Agricultural Sciences, Raichur, Karnataka on 20.02.2017.

21. Dr Vijay Kumar Yadav honoured with the Award of Fellowship by Indian Society of Agril. Biochemist (F.I.S.A.B.) during International Conference on Neutraceuticals and Functional food: The Challenges & Opportunities held at Anand Agricultural University, Anand, Gujarat on December 6-8, 2016
22. Dr Vinita Singh awarded Fellow of the Indian Society of Agricultural Biochemists.
23. Dr Vinita Singh awarded first prize in poster competition in National Conference Farmers Centric Agricultural innovation for sustainable development held on 24-25 March, 2017 organized by CSA University of Agriculture & Technology, Kanpur.
24. Dr Vinita Singh received Eminent Scientist Award-2016 for research in the International Conference on 'New Challenges in Biotechnology and Molecular Biology in the Context of 21st Century (NCBMBCC), held at ST.JOHN'S COLLEGE, Agra (U.P).
25. Dr. Binod Kumar awarded with Young Scientist Award in International conference on Recent trends and experimental approaches in science, technology and nature by Aura publications and Indian Institute of Sugarcane Research, Lucknow, UP. India.
26. Dr. J.P. Yadav received UP Krishi Vishith Vaigyanic Samman Award for the Year 2015-16 from Govt. of Uttar Pradesh.
27. Dr. Nand Kumar awarded by Excellence in Teaching Award from Astha Foundation on the occasion of National Conference on Innovative and Current Advances in Agriculture and Allied Sciences at Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad held from 10-11, December, 2016.
28. Dr. R.K. Yadav awarded by SRDA Gold Medal Award-2016 in International Conference on Global Agriculture & Innovation at Noida on November 27, 2016
29. Dr. Shweta honoured by 5th Academic Brilliance Awards-2017, EET CRS on February 12, 2017.
30. Dr. Shweta honoured by Excellence in teaching Award by SSDA&T at PJTSAU, Rajendranagar, Hyderabad on December 10, 2016.
31. Dr. V.K.Singh awarded by Distinguished Scientist Award to for his outstanding contribution in the field of Agricultural Extension on the occasion of National Conference on Innovative and current advances in Agriculture & Allied Science (ICAAAS-2016) during 10-11 December 2016 held at Prof. Jayshankar Telangana State Agricultural University, Rajendranagar, Hyderabad (Telangana) By Society for Scientific Development in Agriculture & Technology, Meerut (U.P.)
32. University was honoured by Indian Society of Genetics & Plant Breeding in its Platinum Jubilee Celebrations held at IARI, New Delhi on Feb. 11, 2017 with concern crop breeders for the development of the landmark crop varieties Varuna T-59 of Mustard (Dr G.N. Pathak, Dr B.R. Singh & team), T-9 of Urdbean (Dr G.N. Pathak, Dr B.R. Singh & team), T-44 of Mungbean (Dr G.N. Pathak, Dr D.N. Singh & team), Jyoti of Barley (Dr Lakhiram & team) and Radhey of Chickpea (Dr R.S. Srivastava & team).

2017-18

1. Dr Akhilesh Mishra conferred Best Scientist Award-2017 in International Science Congress 2017 By International Multidisciplinary Research Foundation October. 02-

03, 2017.

2. Dr Akhilesh Misra, Associate Professor (Agronomy) was conferred the Best Scientist Award for his research achievements in the field of development of crop production technology to enhance the pulses production Dr. Mishra received the honour at the International Science Congress held on 2nd October, 2017at Asian Institute of technology, Thailand.

3. Dr Archana Singh awarded Certificate of Appreciation for successfully organizing the national conference on International Conference on Sustainability of small holder agriculture in Developing Countries under changing climatic scenario during 14-17 February 2018, Kanpur.

4. Dr Archana Singh received Certificate of Appreciation as a cultural counselor for excellent contribution in successfully organizing University level Competitions on the occasion of Agriculture Education Day, held on 3rd December, 2017.

5. Dr Asha Yadav was conferred 'Distinguished Scientist Award-2017 by the society for Recent Development in Agriculture, for her outstanding work in the field of Home Science, she received the honour on the occasion of global meet on Science and Technology for Ensuring Quality Life, held on 26-30 November, 2017 at Kuala Lumpur, Malaysia.

6. Dr C.L. Maurya was conferred Outstanding Achievement Award by Astha Foundation Meerut for his outstanding contribution in the field of Seed Science & Technology. Dr Maurya received the award on the occasion of the International Conference (GRISAAS-2017), held on 02-04 December, 2017 at MPUAT, Udaipur (Rajasthan).

7. Dr D.P. Singh, Joint Director Research, C.S. Azad University of Agriculture & Technology, Kanpur received the Certificate of Appreciation Award by Thailand society of Sugar Cane Technologist (TSSCT) for his outstanding contribution in organizing the 6th International Association of Professionals in Sugar and Integrated Technologies (ISPSIT-2018) held at Udan Thani, Thailand on March 05-09, 2018

8. Dr H.G. Prakash, Director Research C.S. Azad University of Agriculture & Technology, Kanpur was conferred by Distinguished Scientist Award for his outstanding contribution in area of Research and Innovation on the occasion of 6th International Association of Professionals in Sugar and Integrated Technologies (ISPSIT-2018) held at Udan Thani, Thailand on March 05-09, 2018.

9. Dr H.G. Prakash, Director Research was honored for his distinguished services in the area of Research and Innovation on the occasion of the National Conference on Organic Farming for Sustainable Agriculture and Livelihood Security under Changing Climate Conditions, held on December 12-13, 2017.

10. Dr J.P. Yadav received Best Teacher Award, Ex Nayi Rah Foundation (ENRF), Etawah (UP), India, for outstanding contribution in the field of Extension Education and Communication Management, during April 28-29, 2018, held at Jawaharlal Nehru University (JNU) Convention Centre, New Delhi.

11. Dr M.K. Singh awarded Outstanding Scientist Award–2017 by G.K.V. Society, Agra, held at J.N. K.V.V., Jabalpur during 28-29 October, 2017.

12. Dr Nand Kumar awarded Eminent Scientist Award by Samagra Vikas Welfare Socoety and Baba Saheb Bhimrao Ambedkar Central University, Lucknow on the Occasion of National Seminar on Transforming Agriculture to Doubling of Farmers Income Dated Feb 10-11, 2018 held at Lucknow.

13. Dr Nand Kumar awarded Excellence in Teaching Award by Astha Foundation on the occasion of National Conference on Innovative and Current Advances in Agriculture and Allied Sciences at Professor Jayashankar Telangana State Agricultural University Rajendranagar, Hyderabad held from December 10-11, 2016.

14. Dr Nand Kumar, honoured by Eminent Scientist Award to by Samagra Vikas Welfare Socoety and Baba Saheb Bhimrao Ambedkar Central University, Lucknow on the Occasion of National Seminar on Transforming Agriculture to Doubling of Farmers Income Dated Feb 10-11, 2018 held at Lucknow.

15. Dr Neelam Yadav received Emerging Scientist Award in International conference at JNU, Delhi April 28-29, 2018.

16. Dr Neelam Yadav received Young Agriculture Scientist Award in International conference at Orchha, Madhya Pradesh 2017.

17. Dr Neelma Kunwar received Best Academic Dean of the Year 2017 Award on 30th December, 2017 by ASDF International Global Award in Goa.

18. Dr Neelma Kunwar received Smt Revati Singh Memorial Award for her outstanding contribution in the field of Home Science during the Global Meet on "Science and Technology for Ensuring Quality Life" held on 26-30 November, 2017 in Malaysia.

19. Dr Neerja Agarwal Chaired as Recorder in the section of Agricultural Sciences and forestry in the 105 Indian Science Congress held at Imphal Manipur, March 16-20, 2018.

20. Dr Pramod Kumar received second prize for presented research paper "Effect of Integrated Nutrient Management on Dwarf Scented Rice, their Residual Effect on Succeeding Gram Crop and Fertility of Soil" in National conference on Organic Farming for Sustainable Agriculture and Lively-hood Security under Changing Climatic Conditions-2017 held at CSAUAT, Kanpur on December 12-13, 2017.

21. Dr R. K. Yadav ICU Award-2018 for outstanding contributions in the field of Agriculture Eduction.

22. Dr Rajendra Singh, Registrar, CSAU was honored for his distinguished services in the area of smooth conduction of examinations and timely declaration of results on the occasion of the National Conference on Organic Farming for Sustainable Agriculture and Livelihood Security under Changing Climate Conditions, held on December 12-13, 2017.

23. Dr Ram Ji Gupta awarded Science by Astha Foundation Meerut on the occasion of National Conference on IAAAS 2016 held on December, 10-11,2 016 at Prof. J.S.T.S.A.U. Rajendranagar, Hyderabad (Telangana).

24. Dr Ram Ji Gupta, Associate Professor was conferred with the Excellence in Research Award by the Society for Scientific Development in Agriculture & Technology for his outstanding contribution in the field of Animal Husbandry & Dairying, on the occasion of the International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS2017), held on 02-04 December, 2017 at MPUAT, Udaipur (Rajasthan).

25. Dr Rashmi Singh was awarded Certificate of Appreciation for successfully organizing the national conference on International Conference on Sustainability of small holder agriculture in Developing Countries under changing climatic scenario during 14-17 February 2018, Kanpur.

26. Dr Ripudaman Singh received Young Scientist Award in International Conference on food and agriculture (ICFA) held at Dhanwad, Bihar, India.

27. Dr S.K. Biswas awarded Best Poster Presentation 2017 in National Conference on "Organic farming for sustainable agriculture and livelihood security under changing climatic conditions" held on December 12-13, 2017 at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur.

28. Dr S.K. Biswas, distinguished "Outstanding contribution Award" for outstanding Contribution in field of Plant Pathology by Astha Foundation, Meerut, Uttar Pradesh on December 2-4, 2017.

29. Dr S.K. Biswas, distinguished "SPPS Meritorious Scientist Awards – 2017" by Society of Plant Protection Sciences, New Delhi.

30. Dr S.K., Biswas Best Poster Presentation 2017 in National Conference on "Organic farming for sustainable agriculture and livelihood security under changing climatic conditions" held on December 12-13, 2017 at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur.

31. Dr Seema Sonkar received Felicitation Award at International seminar on Sustainable intensification of agriculture through resource management and conservation at Gottingen, Germany during (7- 9 July, 2017).

32. Dr Shubha Trivedi, Women Scientist (DST WOS-A) got "Young Scientist Associate Award 2017" in field of Plant Pathology in International conference on Advances in Agricultural and Biodiversity Conservation for Sustainable Development (ABCD-2017) on October 27-28, 2017 at C.C.S University, Meerut, Uttar Pradesh, India.

33. Dr Shweta Distinguish scientist Award-ICFA 2018 at Dhanbad, India.

34. Dr Shweta Distinguished Outstanding woman in Agricultural Sciences-2018, Chennai.

35. Dr Smita Mishra conferred Emerging Scientist Award by Biologix Research and Innovation Centre Pvt. Ltd., India during the International Conference on Agriculture, Allied and Applied Sciences, New Delhi. On April 29th, 2018.

36. Dr Smita Mishra was awarded Certificate of Appreciation by IMACBB, Charitable Blood Bank for exemplifying best human qualities for donating one unit of blood for saving life in peril on. April 15th, 2018.

37. Dr Smita Mishra was awarded Young Fellow Award by Society for Recent Development in Agriculture during the Global Meet on Science and Technology for Ensuring Quality Life (GMST-2017), Kuala Lumpur, Malaysia on November 30th, 2017.

38. Dr Sushil Solomon was conferred by Leadership Award for playing lead role in organizing the 6th International Association of Professionals in Sugar and Integrated Technologies (ISPSIT-2018) held at Udan Thani, Thailand on March 05-09, 2018.

39. Dr Sushil Solomon was honoured for his distinguished services in the area of sugarcane production management and outstanding contribution made to the nation on the occasion of National Conference on Organic Farming for Sustainable Agriculture and Livelihood Security Under Changing Climate Conditions, held on December 12-13, 2017.

40. Dr U.K. Tripathi distinguished "Outstanding Achievement Award" for outstanding contribution in the field of Plant Pathology in an international conference of global Research Initiative for sustainable Agriculture 2-4 December 2017 at Maharana Pratap Univ. of Agri. & Tech., Udaipur, Rajsthan.

41. Dr V K Verma is Recipient of "Out Standing Scientist Award" 2018 in 7th International Conference on Agriculture, Horticulture and Plant Sciences by the society of tropical agriculture" at New Delhi on 29th June, 2018.

42. Dr V K Verma, is Recipient of "Bharat Jyoti Award" for meritorious services, outstanding performance and remarkable role, by India International Friendship Society in a seminar on "economic growth and national integration" at New Delhi on 02 June, 2018.

43. Dr V. K. Tripathi awarded with "Letter of Appreciation" from The Honb'le Vice-Chancellor, CSAUA&T, Kanpur for dedication for farsightedness in managerial capacity and all over efforts as Co-organizing Secretary in the organization of two days training programme on "Agricultural Research with relation to IPR" at CSAUA&T, Kanpur during August 16-17, 2017.

44. Dr V. K. Tripathi received "Fellow Award" from Society for Scientific Development in Research & Tech. during International conference on "Global research initiatives for sustainable agriculture & allied sciences (grisaas-2017)" held on December 02–04, 2017, at MPUAT, Udaipur, Rajasthan.

45. Dr V.K. Singh distinguished scientist award for his outstanding contribution in the field of Agricultural Extension on the occasion of National Conference on Innovative and current advances in Agriculture & Allied Science (ICAAAS-2016) during 10-11 December 2016 organized by Prof. Jayshankar Telangana, Hydrabad.

46. Dr V.K. Tripathi was conferred with the Fellow Award by the Society for Scientific

47. Dr Ved Ratan, awarded Outstanding Contribution and Praiseworthy achievements in his chosen field by Friendship forum, New Delhi on March20, 2018.

48. Dr Ved Ratan, conferred by Leading Educationist of India Award for outstanding and extra-ordinary achievements in his/her chosen fields of activity and services by Friendship forum, New Delhi on March20, 2018.

49. Dr Ved Ratan, honoured by Dr. APJ Abdul Kalam Award for outstanding individual achievements & distinguished services to the nation by Friendship forum, New Delhi on March 20, 2018.

50. Dr Vijay Kumar Yadav honoured with Best Scientist Awards by Society of Agricultural Professionals, 2018.during International Conference on 'Sustainability of Smallholder Agriculture in Developing Countries under Changing Climatic Scenario' and Agri-Expo 2018, 14-17 February 2018, Kanpur

51. Dr Vinita Singh was awarded fellowship award'2017 for outstanding contribution and recognition in the field of Home Science on the occasion of Global meet on Science & Technology for ensuring quality life (GMST'2017) held during November 26- 30, 2017 at Kualalumpur, Malaysia.

52. Dr. Manoj Mishra, Assistant Director was conferred with the Excellence in Communication Award by the Society for Scientific Development in Agriculture & Technology for his outstanding contribution in the field of Crop Physiology on the occasion of the International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2017), held on 02-04 December, 2017.

2018-19

1. Dr. Akhilesh Mishra, Assistant Professor was awarded IMRF Best Researcher Award by The Multidisciplinary Research Foundation, Burdubai-Dubai-United Arab Emirates

2. Dr. Anil Kumar received Best Research Scientist Award for outstanding contribution in field of Soil Science on the occasion of international conference on Global Research Initiatives for sustainable Agriculture & Allied Sciences (GRISAAS-2018) organized by Astha foundation, Meerut (UP) during 28-30 October, 2018 held at Rajasthan Agriculture Research Institute, Durgapura, Jaipur, Rajasthan, India.

3. Dr. Anil Kumar received Eminent Scientist Award for outstanding contribution in field of Soil Science on the occasion of 2 days international Conference on Advances in Agriculture and Allied Science Research Organised by Rama University, Kanpur and Samagra Vikas Welfare Society, Lucknow (UP) at Rama University, Kanpur (UP) India during 23-24 Feb,2019.

4. Dr. B.K. Singh awarded with KVK Scientist Award-2018 by Samagra Vikas Welfare Society, Lucknow on 05th June, 2018.

5. Dr. Bhupender Kumar Singh, Scientist Plant Protection was conferred KVK Scientist Award-2018 by Samagra Vikas Welfare Society and Baba Saheb Bhimrao Ambedkar Central University, Lucknow.

6. Mr. Bhanu Pratap Singh, Asstt. Professor was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture & Technology, Kanpur.

7. Dr. C.L. Maurya, Professor was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture & Technology, Kanpur.

8. Dr. C.B. Verma received Excellence Research teaching Award-2018 by Indian Society of genetics, Biochemistry Research & Development on the occasion of International Conference of food & Agriculture during 26-28 Nov., 2018, At Putra University Kualalumpur, (Malaysia).

9. Dr. D.P. Singh, Joint Director Research was achieved Best Poster presentation Award at Udan Thani, Thailand.

10. Dr. D.D. Yadav, Professor was awarded Eminent Professor/ Scientist Award by Indian Society of Genetics, Bio-Technology Research & Development.

11. Dr. D.P. Singh, Fellow Award-2019 for outstanding contribution to Stevie cultivation held on dated 16-19 February, 2019 at ICAR-IISR, Lucknow by the Society for Sugar Research & Promotion, New Delhi.

12. Dr. D.R. Singh received award for outstanding contribution and recognition in the field of Entomology on the occasion of International conference on 2nd Global meet on Science & Tech. for Ensuring quality life (GMST 2018) at Bali Indonesia.

13. Dr. Devendra Swaroop, Scientist KVK was achieved Samman Patra by Food Preservation and Horticulture Deptt. Uttar Pradesh.

14. Dr. Devendra Swaroop, Scientist KVK was awarded Fellowship Award by Environmental & Social Welfare Society, Khajuraho.

15. Dr. Devendra Swaroop, Scientist KVK was awarded Fellowship (FBPS) by Blue Planet Society Allahabad, UP.

16. Dr. Dhananjai Singh received Eminent Scientist Award-2019by Hon'ble Minister Sri Satya Dev Pachauri, Govt. of U.P. on the occasion of International Conference on Advances in Agriculture & Allied Science Research at Rama University, Kanpur.

17. Dr. Dharamraj Singh, Professor was awarded Distinguished Scientist Award by Society for Recent Development in Agriculture.

18. Dr. Dhoom Singh, Director Extension honoured Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

19. Dr. Jitendra Singh, Asstt. Professor was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

20. Dr. Jitendra Singh, Asstt. Professor was hounered Bundelkhand Ratan Award-2018 by Bhartiya Krishi Anusandhan Parishad, Krishi Praduagiki Anusandhan Sansthan, Kanpur.

21. Dr. Kamal Kant, Scientist KVK was awarded Young scientist award-2018 by Samagra Vikash Welfare Society with Baba Saheb Bheem Rao Ambedkar University, Lucknow.

22. Dr. Karam Husain, Professor awarded Eminent Scientist Award-2019 *Samagra Vikas* Welfare Society Rama University, Kanpur.

23. Dr. Karam Husain, Professor received Award of Excellence-2018 for IFS module by Directorate of Research, Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

24. Dr. Karam Husain, Professor awarded Recognition Award-2018 by Indian Society of Genetics, Biotechnology Research and Development at University Putra Malaysia, Kualalumpur.

25. Dr. K.K. Singh, Senior Scientist was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

26. Dr. Karam Husain received Eminent Scientist Award-2019 by Hon'ble Minister Sri Satya Dev Pachauri, Govt. of UP on the occasion of International Conference on Advances in Agriculture & Allied Science Research at Rama University, Kanpur.

27. Dr. Karam Husain, Professor was awarded Recognition Award-2018 by Indian Society of Genetics, Bio-Technology Research & Development.

28. Dr. Kaushal Kumar achieved Fellow Award-2018 by Society for Scientific development in Agriculture and Technology.

29. Dr. Kripa Shanker received Excellence-2018 in the area of Development of Agro Technique (Management of Nematode) at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

30. Dr. Kaushal Kumar, Associate Professor was achieved SCSI Leadership Award-2018 by Soil Conservation Society of India.

31. Dr. Kaushal Kumar, Associate Professor was achieved Young Scientist Award-2018 by Doctors Krishi Evam Bagwani Vikas Sanstha (Doctors Agricultural and Horticultural Development Society) Lucknow.

32. Dr. Mahak Singh awarded Best Scientist Award-2018 by the society of Agricultural professionals Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India on February 14, 2018.

33. Dr. Mahak Singh awarded Gold Medal Award by the Society for Rapeseed-Musturd Research (SRMR) Bharatpur (Rajasthan) and Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India on February 01, 2019.

34. Dr. Mahak Singh Professor was awarded Best Scientist Award-2018 by Society of Agricultural professionals Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

35. Dr. Mohammad Shamim received Excellence in Communication Award by the Excecutive Committee of Society during International Conference on Global Research

Initiatives for Sustainable Agriculture and Allied Sciences (GRISAAS), 2018 at Jaipur RARI Durgapura, Rajasthan.

36. Dr. Munish Kumar Professor was awarded Fellow Award-2018 by Society of Agricultural professionals Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

37. Dr. Munish Kumar Professor was awarded Fellowship Award-2018 by Society for Recent Development in Agriculture.

38. Dr. Munish Kumar Professor was awarded International Award for Excellence by Shivram Research Foundation Bangalore.

39. Dr. Munish Kumar Professor was awarded SCSI Leadership Award by Soil Conservation Society of India.

40. Dr. Manoj Katiyar, Assistant Professor was achieved Nuffic OKP Fellowship by Wegeningen University & Research, Netherlands.

41. Dr. Manoj Mishra, Assistant Director was received Excellence in Research Award-2018 by ASTHA Foundation Meerut in International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Science (GRISAAS-2018) held at SKNAU-RARI, Durgapura, Jaipur, Rajasthan, India.

42. Dr. Nalini Tiwari awarded Excellence in Teaching Award-2018 for outstanding contribution in the field of Genetics and Plant Breeding by Society for Scientific Development in Agriculture & Technology in International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Science (GRISAAS-2018) held at SKNAU-RARI, Durgapura, Jaipur, Rajasthan, India.

43. Dr. Nalini Tiwari achieved Award of Excellence-2018 in the area of Crop Improvement by Vice Chancellor of Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

44. Dr. Naushad Khan, achieved Appreciation Award by President SRMR, Bhartpur, Rajasthan for Dedicated Support in successful organization of 4th National Brassica Conference held during 1-3 Feb, 2019 at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

45. Dr. Naushad Khan, confered "Award of Excellence" For Development of Agro-technique (IFS model) by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India (2018).

46. Dr. Naushad Khan achieved Best Oral Presentation Award in National seminar "Doubling farmers' income in garlic, onion, potato production and post harvest management under climate change" at KVK, Antah, Agriculture University, Kota during 27-28 Jan, 2019.

47. Dr. Neerja Agrawal received outstanding contribution and recognition award-2018 in the field of Entomology on occasion of International conference on 2nd Global meet on Science & Tech. for Ensuring quality life (GMST 2018) at Bali Indonesia.

48. Dr. Pushpa Devi, Asstt. Professor was achieved Best Ph.D thesis Award-2018 by Samagra Vikash Welfare Society with Baba Saheb Bheem Rao Ambedkar University, Lucknow.

49. Dr. Priya Vashishtha, Scientist KVK was awarded Kunwar Saxena Bahadur SRDA Award-2018 by Society for Recent Development in Agriculture.

50. Dr. R.A. Yadav Professor was awarded Best Scientist Award-2018 by Society of Agricultural professionals Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

51. Dr. R.K. Pathak received Best Research Paper Presentation Award-2018 at National conference on Managing natural resources for sustainable Agriculture-2018, organized by GKV Society Agra from 8-12-18 to 9.12.12.

52. Dr. Ritu Pandey, Asstt. Professor was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

53. Dr. R.K. Pathak received Eminent Scientist Award at International conference on Advance in Agriculture and Allied Science Research-2019 from 23 -24.02.2019 SVWS, Lucknow at Rama University, Kanpur.

54. Dr. R.K. Pathak received Outstanding Scientist Award-2018 at National conference on Managing Natural Resources for sustainable agriculture organised by GKV Society Agra at RBS College, Agra.

55. Dr. R.K. Yadav, Professor was achieved ICN Certification Award, by ICN Group.

56. Dr. R.K. Yadav, Professor was awarded Distinguished Scientist Award 2018 by Society for Recent Development in Agriculture.

57. Dr. Ram Prakash, Senior Scientist was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

58. Dr. Ram Pyare Professor was awarded Excellence Research Teaching award-2018 by Indian Society of Genetics, Biotechnology research and development.

59. Dr. Ram Pyare received Excellence Teaching Award-2019 by Hon'ble Minister Sri Satya Dev Pachauri, Govt. of U.P. on the occasion of international Conference on Advances in Agriculture & Allied science Research at Rama University, Kanpur.

60. Dr. Ram Singh received award for eight years continues contribution in Rashtriya Seva Yojana at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

61. Dr. S.P. Singh achieved Outstanding Scientist in Agriculture Award-2018 by Scientific Educational and Research Society in 1st Indo-Asean Conference on Innovative Approaches in Applied Sciences and Technologies, held at Nong Lam University, Ho Chi Minh City, Vietnam, 13-17 June, 2018.

62. Dr. Sudhir Kumar Rawat, Scientist KVK was achieved Best oral presentation Award-2018 by Samagra Vikash Welfare Society with Baba Saheb Bheem Rao Ambedkar University, Lucknow.

63. Dr. Sudhir Kumar Rawat, Scientist KVK was achieved Lead Lecture Award-2018 by Samagra Vikash Welfare Society with Baba Saheb Bheem Rao Ambedkar University, Lucknow.

64. Dr. Sudhir Kumar Rawat, Scientist KVK was awarded Best PhD thesis Award-2018 by Samagra Vikash Welfare Society with Baba Saheb Bheem Rao Ambedkar University, Lucknow.

65. Dr. Sushil Solomon Vice Chancellor conferred Honarary Fellowship Award -2018 by Society of Agricultural professionals

66. Dr. S.K. Biswas, Associate Professor was achieved Outstanding Achievement Award-2018 by Society for Scientific Development in Agriculture & Technology, Meerut.

67. Dr. S.K. Vishwakarma, Senior Scientist was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

68. Dr. Sadhna Vaish, Scientist KVK was achieved Samman Patra by Food Preservation and Horticulture Deptt. Utter Pradesh Dr. Devendra Swaroop, Scientist KVK.

69. Dr. Sadhna Vaish, Scientist KVK was awarded Best Science Communicator awarded 2018 by Ek Nayi Rah Foundation (ENRF) Etawah.

70. Dr. Sadhna Vaish, Scientist KVK was awarded Distinguished Scientist Award 2018 by Society for Recent Development in Agriculture.

71. Dr. S.P. Singh achieved Distinguished Scientist Award-2018 by Astha Foundation in International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Science (GRISAAS-2018) held at SKNAU-RARI, Durgapura, Jaipur, Rajasthan, India.

72. Dr. Sadhna Vaish, Scientist KVK was awarded KVK Scientist Award-2018 by Samagra Vikash Welfare Society with Baba Saheb Bheem Rao Ambedkar Univ., Lucknow.

73. Dr. Sadhna Vaish, Scientist KVK was awarded Social Environmentalist Award-2018 by Blue Planet Society, Allahabad, UP.

74. Dr. Sanjive Kumar Singh, Asstt. Professor conferred Young Scientist Award-2018 by Hi-Tech Horticulture Society, at Bali, Indonesia.

75. Dr. Seema Sonker, Assistant Professor was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

76. Dr. Seema Sonker, Assistant Professor was achieved Teaching Award-2018 By Astha Foundation in International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Science (GRISAAS-2018) held at SKNAU-RARI, Durgapura, Jaipur (Raj.) India.

77. Dr. U.K. Tripathi, Professor was achieved Outstanding Achievement Award-2018 By Astha Foundation in International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Science (GRISAAS-2018) held at SKNAU-RARI, Durgapura, Jaipur (Raj.) India.

78. Dr. V. K. Kanaujiya, Senior Scientist was achieved Award of Excellence-2018 by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP, India.

79. Dr. V.K. Tripathi awarded with "Prof. P.B. Patil Memorial Award-2019" from National Gladiolus Trust (Regd.), Jammu during National Symposium on "Horticulture in the vanguard of Climate Change and Urban Environment (HVCCUE-2019)" held on 07–08 February, 2019 at Annamalai University, Annamalai Nagar, Tamil Nadu (In absentia).

80. Dr. V.K. Tripathi received Outstanding Achievement Award from Society for Scientific Development in Research & Tech. during International Conference on "Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2018)" held 28–30 October, 2018 at Rajasthan Agricultural Research Institute, Durgapura, Jaipur, Rajasthan.

81. Dr. V.K. Verma received Eminent Scientist Award-2019 by Hon'ble Minister Sri Satya Dev Pachauri, Govt. of UP on the occasion of International Conference on Advances in Agriculture & Allied Science Research at Rama University, Kanpur.

82. Dr. Vijay Kumar Yadav, Professor was conferred Best Scientist Awards by Society of Agricultural Professionals.

83. Dr. Y.K. Singh, Assistant Professor was awarded Outstanding Achievement Award-2018 from Society for Scientific Development in Research & Tech. during International Conference on "Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2018)" held 28–30 October, 2018 at Rajasthan Agricultural Research Institute, Durgapura, Jaipur, Rajasthan.

84. Dr. Y.P. Malik Received outstanding contribution & recognition award in the field of Teaching, Training & Extension, by Bhartiya Shikshan Mandal, Kanpur Dehat.

2019-20

1. Dr Jagdish Kumar awarded to Excellence in research award in Agronomy by Society for Scientific Development in Agriculture and Technology during International Conference on ICAAAS 2020 from 27-1-20 to 01 -02-20 , Bangkok, Thailand.

2. Dr H.G. Prakash Director Research conferred by CSAU Outstanding Scientists Award - 2019 on 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur

3. Dr S.V. Singh received Appreciation Certificate-2019 for the best role in transfer of technology to farmers by Chandra Shekhar Farmers Society on 05 September 2019 at a CSAUA&T, Kanpur .

4. Dr S.V. Singh received Appreciation Certificate-2019 for dedicated support in successful organization of 4th National Brassica Conference on "Innovative Approaches in Oilseed Brassica Towards Self Sufficiency" jointly organized by SRMR, Bharatpur and CSAUA&T, Kanpur held at CSAUA&T, Kanpur during February 01-03, 2019.

5. Dr S.V. Singh was awarded as Excellence in Research Award-2019 by the Executive Committee of Society for Scientific Development in Agriculture & Technology on the occasion of International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2019) during October 20-22, 2019 held at ICAR- National Academy of Agricultural Research Management, Rajendranagar, Hyderabad, Telangana, India

6. Dr. D.P. Singh Associate Professor received CSAU Award of Excellence-2019 for outstanding contribution in the field of resource generation and research publication on 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur

7. Dr. D.P. Singh, Associate Professor was awarded Fellow Award-2019 for outstanding contribution to Stevie cultivation by the Society for Sugar Research & Promotion, New Delhi.

8. Dr. Karam Husain received Eminent Scientist Award-2019 by Hon'ble Minister Sri Satya Dev Pachauri, Govt. of UP on the occasion of International Conference on Advances in Agriculture & Allied Science Research at Rama University, Kanpur.

9. Dr. Karam Husain, Professor awarded Eminent Scientist Award-2019 *Samagra Vikas* Welfare Society Rama University, Kanpur.

10. Dr. Karam Hussain awarded CSAU Award of Excellence-2019 in the field of Development of Agro-Techniques on 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur

11. Dr. Mahak Singh awarded CSAU Award of Excellence-2019 in the field of Crop Improvement on 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur

12. Dr. Mahak Singh Professor was achieved Gold Medal Award by the Society for Rapeseed-Musturd Research (SRMR) Bharatpur (Rajasthan) and C.S.A, Uni. Of Agri. & Tech. Kanpur,(U.P.) India on Feburary, 01,2019.

13. Dr. Mahak Singh recieved Fellow Award by Indian Society of oilseed research on National seminar 2020 Technological Innovations in Oilseed crops for Enhancing productivity, profitability and nutritional security February 7-8,2020. Hyderabad, (T.S.) India.

14. Dr. Manoj Mishra received CSAU Award of Excellence-2019 in the field of Resource Generation & Maintenance of record on the occasion of 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur

15. Dr. Mirza Faiyaaz Hussain received Award of Excellence 2019 for organizing the Annual Group Meet of AICRP on Linseed during 4-6 September 2019 by Vice Chancellor of C.S. Azad University of Agriculture and Technology, Kanpur

16. Dr. Mirza Faiyaaz Hussain received a Certificate of Appreciation 2019 in the Annual Group Meet on Safflower & Linseed sponsored by ICAR-Indian Institute of Oilseeds Research, Hyderabad during September4-6, 2019.

17. Dr. Nalini Tiwari received a Certificate of Appreciation 2019 in the Annual Group Meet on Safflower & Linseed sponsored by ICAR-Indian Institute of Oilseeds Research, Hyderabad during September4-6, 2019.

18. Dr. Nalini Tiwari received Award of Excellence 2019 in the area of Crop Improvement by Vice Chancellor of C.S. Azad University of Agriculture and Technology, Kanpur.

19. Dr. Naushad Khan achieved Best Oral Presentation Award in National seminar "Doubling farmers' income in garlic, onion, potato production management under climate change" at KVK, Antah, Agriculture University, Kota during 27-28 Jan, 2019.

20. Dr. Rajiv Assistant Professor received CSAU Award of Excellence-2019 for outstanding contribution in the field of Development of Agro- Techniques & research publication on 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur

21. Dr. Rajiv Assistant Professor received Scientist of the Year Award-2019 by Agricultural Technology Development Society, Ghaziabad (U.P.)

22. Dr. U.S.Tiwari awarded CSAU Award of Excellence-2019 in the field of Development of Agro-Techniques on 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur

23. Dr. Vijay Kumar Yadav Professor received Distinguish Scientist Award based on API score and overall contributions in the field of Genetics and Plant Breeding by GEWS, in 2nd " International Conference on Global initiatives for sustainable development: Issues and Strategies during 23-27 June,2019 at Bangkok, Thailand.

24. Dr. Manoj Mishra Assistant Director awarded Outstanding Research Award 2019 for his outstanding contribution in the field of Crop Physiology in International Conference on Innovative and Current Advances in Agriculture & Global Research Initiatives for Sustainable Agriculture & Allied Sciences (ICAAAS-2020), at Bangkok 10400 Thailand on 27th Jan-01 Feb, 2020

25. Dr. Vijay Kumar Yadav Professor received with Life time achievement Award by national Development Co operative Ltd during International Conference on IAPSSARD 2019 at SKNA Univ. Jaipur during 7-9, December 2019.

26. Dr. A.K. Srivastav Assistant Professor was received CSAU Award of Excellence 2019 In the area of Crop Improvement and Development of Agro- Techniques on 71th Republic day 2020 by Vice Chancellor, C.S. Azad Univ. of Agri. & Tech., Kanpur.

27. Dr. Manoj Mishra Assistant Director awarded "Distinguished Scientist Award:" For his outstanding contribution in the field of Crop Physiology Society for Scientific Development in Agriculture & Technology International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2019), on 20-22 October, 2019 at ICAR National Academy of Agriculture Research Management Hyderabad, Telangana, India.

6.6.9.2. Accreditation Report from ICAR/Other Agencies

Whether the University and its Colleges were accredited by the ICAR and other agencies in the past? What was the recommendation of the accreditation agencies? Whether the University has taken the action taken report and submitted the reply to the accreditation agencies? Provide the detailed action taken report for each observation.

Yes, the university and College of Agriculture, Kanpur were accreditated in the past. The recommendation made by ICAR-National Agricultural Education Accreditation Board and the Action Taken Report submitted by the university is given below in tabular form:

S.N.	Recommendation of the Board	Action Taken
1.	The university should adopt ICAR model Act (2009) in letter and spirit. All vacant position of Statutory Officers, Deans and Head of the Department should be filled urgently.	• University established under Act of Assembly UP Act XI-V of 1958, hence ICAR model act is under consideration of Govt. of UP. • All the vacant position of statutory officers has been advertised vide Advt. No.02/2019 dated 25.05.2019 and 04/2019 dated 02.07.2019. The Head of the department is appointed on seniority basis for 3 years duration.
2.	There is urgent need to address the promotion issue of faculty, which is pending for long time.	All the eligible faculties were assessed for promotion under Carrier Advancement Scheme vide letter No. CSUH-11 SP/F. No. 550@2016 dated 02.04.2016 and No. CSUH-10 SP/F. No.550@2016 dated 04.04.2016. The result is still awaited.
3.	The faculty positions in the colleges of Home Science and Agricultural Engineering and Technology do not meet the minimum requirement as suggested by the earlier PRT. This needs immediate attention by the university.	The university administration acted properly on the suggestion of PRT and has advertised all the sanctioned positions of these two colleges (College of Home Science and College of Agril. Engg. & Technology, Etawah) wide Advt. No. 01/2015 dt. 16.1.2015, 02/2015 dt. 20.06.2015, 02/16 dt 17.12.2016, 01/2017 dt 14.03.2017, 02/2017 dt 21.02.2017, 01/2018 dt 14.03.2018, 02/2018 dt 14.03.2018, 01/2019 dt 06.03.2019. But to unforeseen reasons the interview could not be held till date.

4.	High inbreeding among students and faculty, insufficient number of faculty together with high intake in PG/Ph.D. programmes less money for research contingencies, lack of practical in most of programmes and poor implementation of ELPs are some of the critical issues which require due attention by the university.	The main reason of inbreeding in UG & PG programme is the process of student intake in university under different programmes through UPCATET under which, there is a provision for admission to only those students having domicile certificate of UP state. However, all the seats under ICAR quota are regularly filled as per rules and regulations in UG & PG programme of the university. Under the UPCATET counseling CSAUA&T, Kanpur is the first choice of students seeking admission in UG and PG programmes. The thesis research work of M.Sc. and Ph.D. students is usually undertaken with the financial support from non-plan and plan scheme. UG and PG laboratories have been strengthened to facilitate the practical learning process. The ELPs on seed production processing and technology, mushroom cultivation technology and production technology of biofertilizer etc were strengthened and being implemented effectively. As of today 8 ELPs are being implemented in agriculture, 2 each in Forestry and Horticulture.
5.	Apart from these, other pertinent issues observed by the PRT are mentioned in "Assessment" chapter.	Taken into consideration and compliance
6.	The university should address these issues (i-v) on priority and submit the Action Taken on these to the council within one year of its accreditation.	All the observations of NAEAB, ICAR were addressed properly and point-wise action taken report was submitted to the council within the given time frame.

6.6.9.3. Inter Institutional Standings

Status of the University in the ranking announced by agencies for academics, research, extension, sports/games, cultural events etc.

The ranking status of the University announced by ICAR in the field of academic and research of last five year is enumerated below:

Year	Rank (ICAR)
2016	53
2017	37
2018	52
2019	43

6.6.9.4. Socio-economic Impact

Elaborate data based impact of various activities/recommendation on upliftment of the economics and social status of the farmers.

During the last five years 19269.56 qt. quality seed of the rice, wheat, maize, mustard, chickpea, linseed, pea, gram, pigeonpea, urdbean and mungbean crops were produced by the university, which will act as a vehicle for the transformation of socio-economic status of the rural masses.

Quantity of quality seed produced during last five years:

Year	Quantity (in quintal)
2015-16	3853.24
2016-17	5722.69
2017-18	3360.02
2018-19	4033.34
2019-20	2300.27
Total	**19269.56**

Impact of agro technology

The annual growth rate in real terms in agriculture as well as its allied sectors has remained static and volatile during the last five years and varied widely across the states in India due to variations in agro-climatic conditions and adoption of technology. Uttar Pradesh (UP), the most populous state in India with a population of nearly 200 million people has rural-based economy, with a 79.2 per cent population living in villages. The annual compound growth rate of productivity in the state had increased from 1.8 per cent in 1970-73 to 2.4 per cent in 1980-83 and presently it is around 2.7 per cent.

Infrastructure plays a strategic role in producing large multiplier effects in the economy with growth in agriculture. It is estimated that across the world 15 per cent of crop produce is lost between farm gate and consumer because of poor roads and inappropriate storage facilities. The adoption of modern agricultural technology has been another crucial factor for raising agricultural productivity in India.

Gain in production and productivity of major crops in the areas of University jurisdiction

Name of Division	Name of Crop	Production (t)			Productivity (q/ha)		
		2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
Kanpur Div.	Rice	91975.83	105474.7	104101.2	24.65333	27.48167	20.2383
	Wheat	284738.33	375213.2	393775.5	29.94667	38.71833	41.3317
	Maize	49021.8333	53370.17	70344	22.79833	39.77667	47.81
	Gram	6136.16667	9694	13650	9.666667	12.05667	17.1417

	Pea	1007.6667	2793.33	1809.833	13.22	14.86	16.49
	Mustard	15756.8333	21431.17	23493	12.14667	15.25	16.955
Aligarh Div.	Rice	84167	81387.25	87349.25	19.435	23.655	19.065
	Wheat	415920.5	517287.3	544414.3	31.895	39.1	39.9025
	Maize	55601.5	55392.75	50470.75	23.71	43.665	25.7575
	Pea	10.25	92	83.75	9.95	6.885	11.0175
	Gram	10.25	92	83.75	4.485	10.85	10.48
	Mustard	16692.75	21560.25	26338	14.2275	15.43	18.2
Lucknow Div.	Rice	259818.5	295442	315156.2	21.29833	26.985	25.4
	Wheat	524525.667	671011.7	687706.7	25.52167	33.5	33.8617
	Pea	1043.16667	1417.667	1596.333	12.32	11.74667	12.21
	Gram	1740	1842	1972.167	5.471667	7.963333	9.97667
	Mustard	12273.5	14226.83	15713.17	7.468333	9	10.0417
	Maize	24415.5	30640.17	29588.67	15	22.44	37.4267

This report is based on the secondary data on agricultural productivity collected from District Statistical Handbooks, and Statistical Abstracts from the Department of Economics and Statistics, UP for the period from 2015-16 to 2017-18 The results revealed that the impact of area under high yielding varieties (HYVs) has been found positive and significant on agricultural productivity in UP. The adoption of HYVs of wheat, rice, maize, gram and mustard developed by the university has culminated into enhanced production and productivity in Kanpur, Lucknow and Aligarh divisions of Uttar Pradesh. In Kanpur division there has been 13.18 per cent and 20 per cent increase in production and productivity for rice; 38.29 and 36.66 per cent for wheat; 43 and 71 per cent for maize; 122 and 75.98 per cent for gram and 49.10 and 39.62 per cent for rapeseed- mustard. In Lucknow division there has been 21.29 per cent and 19.30 per cent increase in production and productivity for rice; 31.11 and 32.68 per cent for wheat; 21 and 146 per cent for maize; 13.20 and 82.26 per cent for gram and 28 and 74.79 per cent for rapeseed- mustard. Whereas, in Aligarh division 30.89 per cent and 24.69 per cent increase in production and productivity was recorded for wheat and 57.78 and 28.12 per cent increase for rapeseed- mustard. For rice and maize the growth in production and productivity remains almost static in Aligarh division. We can visualize here that pulses are also gaining ground in terms of production and productivity in these divisions.

Front line demonstration is a long term educational activity conducted in a systematic manner in a farmer's field to worth of new practices/ technology. Farmers in India are still producing crops based on the knowledge transmitted to them by their forefathers leading to a grossly unscientific agronomic, nutrient management and pest management practices. As a result of this, they often fail to achieve the desired potential yield of various crops and new varieties.

Forty nine FLDs on rapeseed mustard were carried out in different villages of district Kanpur Dehat during the last three years 2016-17 to 2018-19 using the four improved

varieties i.e. Maya, Urvashi, Ashirwad and Basanti. The productivity and economic returns of rapeseed-mustard in improved technologies were calculated and compared with the corresponding farmer's practices (local check). Improved practices recorded higher yield as compared to farmer's practices. The improved technology recorded an overall mean yield increment of 51.53 % over the farmers' practices. The improved technology also gave higher gross return (90,996 Rs/ha), net return (21,781 Rs/ha) with a higher benefit cost ratio (2.21) as compared to farmer's practices. It is also apparent that amongst the improved varieties Urvashi recorded highest yield advantage (69%) over the local check followed by Maya and Ashirwad. The variation in per cent increase in the yield was found due to the lack of knowledge, and poor socio economic condition.

Variety-wise performance in whole package FLDs on rapeseed-mustard under irrigated conditions

State	Centre	Varieties	FLDs	Mean yield (kg/ha)		YIOF P(%)	COC (Rs/ha)		GMR (Rs/ha)		ANMR (Rs/ha)	B:C Ratio	
				IP	FP		IP	FP	IP	FP		IP	FP
Year: 2016-17													
UP	KPR(5)	Maya	5	2409 (2250-2540)	1524 (1510-1640)	58.07	42405	35431	79497	50292	22231	1.87	1.41
UP	KPR(5)	Urvashi	5	2559 (2430-2630)	1514 (1410-1560)	69.02	42405	35431	84447	49962	27511	1.99	1.41
UP	KPR(4)	Ashirwad	4	1905 (1810-2010)	1265 (1060-1410)	50.59	42405	35431	62865	41745	14146	1.48	1.17
Year: 2017-18													
UP	KPR(6)	Maya	6	2458 (2040-2725)	1664 (1390-1740)	47.7	39082	28315	98320	66560	20993	2.51	2.35
UP	KPR(5)	Urvashi	5	2613 (2555-2650)	1558 (1510-1645)	67.7	40300	25400	104520	62320	27300	2.59	2.45
UP	KPR(5)	Basanti	5	2593 (2445-2755)	1828 (1680-1960)	41.8	38100	29350	103720	73120	21850	2.72	2.49
UP	KPR (4)	Ashirwad	4	205 (1966-2025)	1328 (1210-1420)	51.0	37500	26200	80200	53120	15780	2.13	2.02
Year: 2018-19													
UP	KPR (12)	Maya	12	2445 (2300-2550	1679 (1550-1800)	45.6	42382	34500	102690	70518	24290	2.42	2.04
UP	KPR (3)	Urvashi	3	2350 (2300-2450)	1666 (1600-1700)	41.0	42382	34500	98700	69972	20846	2.32	2.02

The highest yield in the FLDs plot was 26.63 q/ha during 2018-19 and in farmers practice 18.28 q/ha during 2017-18. This result clearly indicated that the higher average grain yield in demonstration plots over the years as compared to local check is due to knowledge and adoption of full package of practices i.e. appropriate varieties such as Urvashi, timely sowing, proper spacing, seed treatment with PSB @ 5g/kg of seed, use of balanced dose of fertilizer, method and time of sowing, timely thinning , weed management and need based plant protection. It is concluded that the FLDs programmes were effective in changing attitude, skill and knowledge of improved package and practices of HYV of rapeseed-mustard adoption. In spite of the increase in yield of rapeseed-mustard, technology gap, extension gap and technology index existed.

During the last five years a total of 145 FLD's on linseed were conducted in different villages of Kanpur, Kanpur Dehat and Fatehpur district using improved production technologies.

Mean yields and economics of FLD conducted on Linseed during 2015-16 to 2019-20

Year	No. of FLD	Mean yield IT	Mean yield FP	Name of varieties	Cost of cultivation Rs./ha	NMR Rs./ha	% age increase over IT	Area/ District
2015-16	15	940	550	Shekhar	29,262	23,694	70.91	Kanpur, Kanpur Dehat & Fatehpur
2016-17	45	1725	1007	IC (Linseed + Gram 4:2)	35,649	41,973	71.30	Kanpur, Kanpur Dehat & Fatehpur
2017-18	25	1400	1120	Limited irrigation (Shekhar)	23,392	52,077	30.10	Kanpur, Kanpur Dehat & Fatehpur
2018-19	45	1465	988	Shekhar	34,093	31,843	48.27	Kanpur, Kanpur Dehat
2019-20	15	2050	1375	IC (Linseed + Gram 4:2)	27,590	82,410	49.10	Kanpur, Kanpur Dehat

Year-wise major results are given and narrated here as under

2015-16 : Whole package demonstration of seed type linseed under irrigated situations registered an increase in the yield by 70.91% with an additional expenditure of Rs. 4621/ha and fetched an additional income of Rs. 15,727/ha and IBCR 3.40.

2016-17 : Whole package demonstration of seed type linseed + gram (4:2) intercropping system under irrigated situations registered an increase in the yield by 71.30% with an additional expenditure of Rs. 4885/ha and fetched an additional income of Rs. 27, 454/ha and IBCR 5.65.

2017-18 : Newly developed varieties of linseed in limited Irrigation brought an increase in seed yield by 30.10% over local one with an additional expenditure of Rs. 2372/ha and fetched an additional income of Rs. 17,335/ha with IBCR of 7.31.

2018-19 : Whole package demonstration of seed type linseed under irrigated situations registered an increase in the yield by 48.27% with an additional expenditure of Rs. 10,440/ha and fetched an additional income of Rs. 11,036/ha and IBCR 1.06.

2019-20 : Whole package demonstration of seed type linseed + gram (4:2) intercropping system under irrigated situations registered an increase in the yield by 49.10% with an additional expenditure of Rs. 3340/ha and fetched an additional income of Rs. 22,660/ha and IBCR 6.78.

Intercropping of linseed with gram preferably in 4:2 row ratio has proved to be one of the best intercropping system with more net economic return and socio economic impact.

***Technological impact in the different district under the university jurisdiction area*:**

1.	Aligarh	Popularization of Machan system planting and staking in tomato. Area expansion - 7600 ha
2.	Kasganj	Popularization of Azad pea-3 high demanding variety of vegetable pea. Area expansion - 1800 ha
3.	Hathras	Aonla area expansion due to reclamation of sodic soil area – 1950 ha
4.	Firozabad	Hybrid varieties of Shimla mirch Indosem and Seming -1865 & Achar mirch Indosem 6142 were introduced in the district and area expand 1800/ ha
5.	Mainpuri	Introduced summer groundnut variety T837A demonstrated at farmer's field. Area expansion – 36000 ha

6.	Etawah	Scented variety of Rice PB-1509 and PB 1121 demonstrated at Farmer' field due to this large area of these varieties adopted by farmer's near about 2,70,000 ha
7.	Kannauj	Control of *Black scurf* of tomato through Trichoderma, Monsoran, Meerador and Carbendazim treatment. Area expansion – 25,300 ha
8.	Farrukhabad	Maize sowing on ridges in *Zaid* and *Kharif* season. Area expansion – 20,000 ha
9.	Kanpur Dehat	Demonstration of most suitable variety CSR-36 and CSR-43 of paddy in saline soil. Area expansion - 1600 ha
10.	Hordoi	Increased production and area of Kheera cultivation through Machan method variety Kalyanpur Hara. Area expansion – 17,600 ha
11.	Lakhimpur Kheri	Sugarcane sowing by trench method in the district increased area expansion 1,22,00 ha
12	Raebareli	Farmers of Raebareli district sowing wheat crop by top dressing causing low productivity of wheat. KVK popularize line sowing by seed drill. Area of line sowing increased nearly 12,000 ha
13.	Fatehpur	Popularize in production in *Kharif* season through high yielding variety Agri-found dark red – 25000 ha area covered in the district. Banana Variety G-9 saplings produced through tissue culture popularizes in the district and area increased up to 5000 ha.

Every year 10 FLD's were also conducted in barley whereas in wheat 20 FLDs were conducted using improved varieties like DWRB137 and Prakhar of barley and K1006 and K1317 of wheat.

Around 36-42 per percent yield advantage over farmer's practice were recorded in case of barley while in wheat improved technology out-yielded the farmers practices by a margin of 26-30 per cent across the years.

6.6.9.5. International Collaboration

Mention the list of collaboration taken place during last five years with international agencies/universities/institutes for academic, research and others.

The university has successfully signed International Collaborative Agreements with 07 different academic institutions. The area of mutual agreement mainly ranges from seed production to research work on the issues like salinity tolerance, plant health management and value addition.

S. No.	Date	Name of the MoU signed	Component
1.	13.07.2015	International Rice Research Institute (IRRI), Philippines	Salinity breeding network
2.	20.12.2017	ICARDA Aleppo, Syria	Research and Training in Scientific Cultivation of Rainfed Crops and Pulses
3.	18.05.2018	Sirius Minerals Plc("Sirius")	Non-Disclosure Agreement
4.	25.04.2019	Kasetsart University, Bangkok, Thailand	Harvest plus value addition

5.	05.06.2019	The Food and Agriculture Organization of the United Nations ("FAO")	Collaborative research work
6.	11.12.2019	CIMMYT Mexico	Seed production

6.6.9.6. Fund Raising through CSR

How much fund the university has collected from corporate sector for on- farm research and extension and other related activities in last five years?

We are trying hard to get the fund from the corporate and banking sector under CSR. Concrete proposals have been submitted for financial assistance and more are in the offing. One hundred five benches have installed in the university premises by Rotary Club Industries, Kanpur for the ease and comfort of morning walkers specially senior citizen.

In addition to this, Rotary Club Industries, Kanpur has also consented to renovate the historic pond built by Sir Wilson in the year 1837-38 near the main gate of the University for recharging of the ground water. As part of the initiative for aggressively wooing the foreign students state-of-the-art hostel facilities and amenities for differently abled person will be created. This is important as these students are expected to be the brand ambassadors of the institution once they go back after the completion of their degree.

Accordingly, a proposal of Rs. 1.5 crore has been submitted to State Bank of India for financial assistance under CSR fund.

6.6.9.7. Alumni Support

Does the University have the active alumni association? How much fund the Association has raised for the development of the University? What the other areas where the Association is supporting to the University?

The Alumni Association of C. S. Azad University of Agriculture and Technology, Kanpur was constituted on September 6, 2006 with its 35 founder members. As per bye laws, the Executive Council was also constituted in the said meeting. The Alumni Association was registered on 10.7.2007 with its registration No. K-37915/472/2007-08 under Societies Reg No. Act. 1860. As per bye laws, every year meetings of the Executive Council and Annual General Body were conducted during the year 2007, 2008, 2009, 2010, 2012, 2014 and 2017 respectively. Sri Chaudhary Samar Pal Singh, Ex Minister, U.P. Government, Dr. P. N. Bajpai, former HoD Horticulture, CSAUA&T, Kanpur and Dr. R. P. Singh Ex. Vice-Chancellor, MPUA&T Udaipur were nominated as the Honorary members of the Alumni Association during the year 2007, 2008 and 2009 respectively. In 4th Annual General Meeting, a Brain Storming Session was conducted on Peri-Urban Agriculture, Scenario of Agriculture Education in India and Quality Concerns for Agricultural Education and in 5th AGM and National Symposium on Sustainable Agriculture for Rural Development was

organized on December 11, 2010. In 2017 Alumni Directory and National Conference on Farmers' Centric Agri-innovation for Sustainable Development was also organized during March 24-25, 2017. As the tenure of the Executive Council is for three years, first elected **CSA-ALUMNI ASSOCIATION** Executive Council completed its tenure from 2009 to Aug. 2017. The second elected Executive Council has taken over the charge on 23.08.2017 with the following office bearers.

Executive Council (2017-20)

1.	Dr. Satyendra Kumar Singh	President
2.	Prof. (Dr.) Vijay Kumar Yadav	Vice President
3.	Dr. Ram Sakal Singh	Vice President
4.	Dr. Munish Kumar	General Secretary
5.	Dr. Sanjay Kumar Singh	Joint Secretary
6.	Dr. Suresh Singh	Joint Secretary
7.	Dr. Shiv Charan Prasad Kushwaha	Treasurer
8.	Dr. Kaushal Kumar	Member
9.	Dr. Rakesh Kumar Singh	Member
10.	Dr. Naushad Khan	Member
11.	Dr. Vivek Kumar Tripathi	Member
12.	Dr. Prabhakar Singh	Member
13.	Dr. Shiv Kumar Kesri	Member

As on 31.03.2020 there are 368 life members of the Alumni Association.

6.6.10. Certificate (Application when SSR in submitted for Programmes, Colleges and Agricultural University).

I, **Dr.Survendra Kumar**, **Registrar of the Chandra Shkehar Azad University of Agriculture and Technology , Kanpur**. hereby certify that the information contained in the sections 6.4, 6.5 and 6.6.1 to 6.6.9.7 are furnished as per the records available in the University.

Date : 10 Jan, 2021
Place : Kanpur

(Sarvendra Kumar)
Registrar

Annexure-I

List of Research Publication

2015

S.No.	Publication	NAAS Rating
1.	Ansari, M.H., Verma, B.K., Ansari, M.A., Mishra, Dushyant, Srivastava, A.K., Khan, Naushad and Mohd. Saquib (2015) Impact of cropping pattern on grow, yield, attributes and system productivity of citronella (*Cymbopogon winterianus* L.) pulses intercropping system in Central India. *Indian Journal of Agricuoltural Sciences*, **85**(3): 100–104.	6.25
2.	Biswas, S.K. Sahu, P.K. Bahar, Javed Kumar, Amrendra Kumar, Santosh and Charul Kanchan (2015) Evidences of variable response to spot block in different wheat varieties. *The Bioscan*, **10**(4): 1695-1699.	5.26
3.	Husain, karam, Dubey, S.D, Verma, R.C., Tripathi, A.K. and Pndey, R.K. (2015) Effect of weed management with post emergence herbicides on seed yield net return and oil quality of linseed (*Linum Usitatissiumum L.). Current Advances in Agricultural Scincess*, **7**(2): 120 – 124.	5.69
4.	Singh, Babu, Birendra Kumar and Singh, Rakesh (2015) Participation of women in agricultural works: a study of Farrukhabad District of U.P. *Indian Journal of Agricultural Economics*, **70** (3):427.	5.15
5.	Singh, P.K.: Sumit and Yadav, D.K. 2015 Inheritance of resistance to bud fly infestation in linseed (*Linum usitatissimum* L.). *Indian J. Genet*., 75(3): 386-388.	6.41
6.	Srivastava, Mukesh, Pandey, Sonika, Shahid, Mohammad, Vipul Kumar, Singh, Anuradha, Trivedi, Shubha, Maurya, Manoj Kumar and Srivastava, Y.K. (2015) Biocontrol mechanism evolved by *Trichoderma* sp. against phytopathogens, a review. *The Bioscan*, **10**(4): 1713-1719.	5.26
7.	Tewari, Nalini and Singh, Achila (2015) Exploitation of heterosis in linseed (*Linum usitatissimum* L.). *Journal of Oilseeds Research*, **32** (2): 174 – 175.	5.02

2016

S.No.	Publication	NAAS Rating
1.	Biradar, S.A.; Ajithkumar, K.; Rajanna,B.; Savitha, A.S.; Shubha, G.V.; Shankergoud, I.; Chitapur, B.M. and Singh, P.K. 2016. Prospects and challenges in linseed (*Linum usitatissimum* L.) production : A review. J. Oilseeds Res., **33** (1) : 1-13	5.02
2.	Chandrawati; Singh, Neha;Kumar,R.; Kumar, S.; Singh, P.K.; Yadav, V.K.; Ranade, S.A. and Yadav, H.K. 2016. Genetic diversity, population structure and association analysis in linseed (*Linum usitatissimum* L.). Physiol Mol Biol Plants DOI 10.1007/s12298-016-0408-5	7.15
3.	Mishra, Yogesh, Biswas, S. K., Kishan Lal, Prem Naresh, Amlan Sushree and Narendra Kumar (2016), Sustainable integrated approach for management of early blight and their effect on crop growth parameters in tomato. *The Bio Scan.*, **11** (1): 133-139	5.26
4.	Pal, M.; Kumar, Munish; Kumar, Kaushal and Srivastava, A. (2016) Physico-chemical properties and erosional behaviour of soil of Shahpur-Basdev watershed of district Hardoi treated under various conservation measures and land uses. J. of Soil & Water Conservation **15**(1): 87-91.	8.18
5.	Pandey, R. (2016), Fiber Extraction from Dual Purpose Flax. *Journal of Natural Fibers.*, **13** (5): 565- 577.	7.25

6.	Sandhu , S.S., Kaur, Prabhjyot, Tripathi, Padmakar, Patel, S.R. , Prasad, Rajinder Solanki, N.S., Ramesh Kumar, Singh, C.B., Dubey, A.P. and Rao, V.U.M. (2016) Effect of intra- seasonal temperature on wheat at different locations of India: A study using CERES-Wheat model. *Journal of Agrometeorology* **18**(2): 222-233.	6.64
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58.	Tripathi, Anurag; Singh, Mahak and Tomar, Amit (2019), Genetic diversity analysis for qualitative & quantitative traits in Indian mustard (*Brassica juncea* L. *Czern & Coss*).*The Pharma Innovation Journal*, **8**(1): 637-639.	5.03
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60.	Verma V.K.; Sachan Prashun; Singh, C.B.; Ram Pyare and Singh, Dhananjai (2019), Study on growing degree days, heat use efficiency and weather indices of timely sown wheat (*Triticum aestivum* L.) varieties. *International Journal of Chemical Studies*, **7**(5): 631-633.	5.31
61.	Verma, A.K.; Yadav, P.N.; Awasthi, U.D.; Pathak, R.K.; Rahul Ranjan and Dhankad, G.N. (2019), Response of root development and quality parameters on linseed (*linum usitatissimum* l.) based intercropping systemsas influenced by integrated nutrient management under rainfed condition. *Bulletin of Environment, Pharmacology and Life Sciences*, **18**(6):96-100.	5.21
62.	Verma, C.B.; Verma, V.K.; Ram Pyare and Singh, Dhananjai (2019), "Effect of seed priming and foliar spray of boron, molybdenum on pigeonpea (Cajanus cajan L.). *International Journal of Chemical Studies*, **7**(4): 2822-2824.	5.31
63.	Verma, Gaurav; Yadav, Din Dayal; Sharma, V.K.; Kumar, Amit; Singh, Ramesh Kumar; Upadhyay, Pravin Kumar and Gupta, Gaurendra (2019), Effect	6.25

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65.	Verma, V.K.; Sachan, Prashun; Singh, C.B.; Ram Pyare and Singh, Dhananjai (2019), Study on growing degree days, heat use efficiency and weather indices of timely sown wheat (*Triticum aestivum* L.) varieties. *International Journal of Chemical Studies*, **7**(5): 631-633.	5.31
66.	Verma, V.K.; Yadav, J., Kumar, S., Tiwari, U.S. and Verma, M. (2019), Super imposition effect of sulphur, boron, FYM, and Rizobium on productivity of chickpea (*Cicer arietinum* L.). *Journal of Pharmacognosy and Phyto PUBLICATION Chemistry*, **8**(3):2193-2195.	5.21
67.	Verma, V.K.; Yadav, Jitendra; Ram Pyare; Tiwari, U.S. & Verma, Mithlesh (2019), Superimposition of Sulphur and boron on production and quality of chickpea (*Cicer arietinum* L.). *Int. J. Curr. Microbiology and Applied Sciences.*, **8**(03): 1740-1745.	5.38
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69.	Vishram Singh; Ram Pyare and Singh, Gaurav Kumar (2019), Yield, conomics and quality improvement of wheat (*Triticum aestivum* L.) as affected by integrated nutrient management under late sown condition. *Journal of Pharmacognosy and Phytochemistry*, **8**(3):3266-3268.	5.21
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2020

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3.	Kumar, V.; Kumar, R.; Singh, D.; Singh, K.N.; Mishra, Y.; Kumar, V. and Singh., O.P. (2020), Effect of Normal Saline water Irrigation on Yield and Yield Attributes of maize cultiver district Kannauj Uttar Pradesh. *International Journal of Chemical Studies*, **8** (1): 01-06.	5.31
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5.	Kumar, Vinod; Kumar, Ravindra; Singh, Devendra; Singh, K.N.; Mishra, Yogesh;	5.31

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6.	Kumar, Vinod; Kumar, Ravindra; Singh, Devendra; Singh, K.N.; Mishra, Yogesh; Kumar, Varun and Singh, Om Pal (2020), Effect of normal and saline water irrigation on yield and yield attributes of maize cultivar district Kannauj, U.P. *International Journal of Chemical Studies*, **8** (1): 1746-1751.	5.31
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9.	Pal, Deepak Singh; Singh, D.K.; Arun Kumar and Sindhe, Praveen Gautama (2020), Bio-rational management of mustard aphid, (*Lipaphis erysimi Kalt*). *International Journal of Chemical Studies*, **8**(2):2554-2557.	5.31
10.	Pal, Deepak Singh; Singh, D.K.; Sindhe, Pravin Gautam and Arun Kumar (2020), Seasonal incidence of insect pests on Rapeseed- mustard. *Int.J. Curr-microbial., App. Sci.*, **9**(4): xx-xx.	5.38
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12.	Rathore, Mamta; Tomar, Saurabh; Khalil Khan, Prakash, H.G. and Singh, D.P. (2020) Comparative characteristics of Mustard, Groundnut & Sesame oil effect the human life. *Indian Journal of Agricultural Sciences, **6** (6): 296-301*	6.25
13.	Rathore, Mamta; Tomar, Saurabh; Satapathy, Sarita; Prakash, H.G., Singh, D.P. and Khalil Khan (2020) Biochemical Analysis of Mung Bean (*Vigna radiata L.*) for Nutraceutical Applications. *Legume Research, **41** (13) : 43-47*	6.34
14.	Shukla, A.K.; Behera, S.K. and Sachan, A.K. (2020), Pre monsoon spatial distribution of available micronutrients and sulphur in surface soils and their management zones in India Indo gangetic plain. Plos ONE **15** (6):0234053.	8.78
15.	Singh, Deepak; Singh, D.K.; Arun Kumar and Singh, Sucharu (2020), Seasonal incidence of insect pests on Rapeseed- mustard, *Int. J. Curr-microbial App. Sci.*, **9**(4): xx-xx.	5.38
16.	Singh, Nikhil; Pandey, S.B.; Ranjan, Rahul; Verma, A.K.; Pathak, R.K.; Rajput, N.; Dubey, S. and Singh R. (2020), Integrated use of organic (FYM) in organic and biofertilizer (PSB) on productivity nutrient uptake by wheat and soil properties. *The pharmainnovation Journal*, **9** (3): 345-347.	5.03
17.	Sinha, Neha; Yadav S.S.; Tripathi, Vivek Kumar and Singh, Anjani Kumar (2020), Impact of weather parameter on flowering behaviour of different mango varieties in central plain zone of Uttar Pradesh. *International Journal of Current Microbiology and Applied Sciences*, **9**(2):1089-1098.	5.38
18.	Tomar, Vikas; Khan, Naushad; Tomer, Ravinder and Panotra, Narinder (2020), Effect of chemical weed management and sowing method practices in late sown wheat (*Triticum aestivum* L.). *International Journal of Chemical Studies*, **8**(2):2326-2329.	5.31
19.	Verma, Gaurav; Yadav, D.D.; Kumar, Amit; Singh, R.; babu, Subhash; Awasthi, R.K. (2020), Impact of fertility level Gudade, B.A. and Sharma, V.K. (2020). Architecture yield and nutrient uptake of chickpea (*Cicer asietinum* L.) crop. *International Journal of current microbiology and applied Sciences*, Volume 9 number 2 (2020) 2018–2024.	5.38

Annexure-II

Participation of Faculty in Symposia/Workshop/Seminar/ Training Programme

2015-16

College of Agriculture

1. Dr. A.K. Singh participated in seminar on bioresource and stress management organized by Hyderabad on Jan. 06-10, 2015.
2. Dr. A.K. Katiyar participated a National seminar on managing crop productivity for food security in changing climate scenario held at Deptt. of Agricultural Botany, Janta College, Bakewar (Etawah) on March 28-09, 2015.
3. Dr. A.K. Katiyar participated in seminar transforming Indian agriculture towards food and national security held at Jhansi on Feb. 20-21, 2016.
4. Dr. A.K. Katiyar participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.
5. Dr. A.K. Srivastava attended QRT Review Meeting held at ICAR, CTRI, Rajahmundry (AP) on Nov. 28, 2015.
6. Dr. A.K. Srivastava participated in XXII Tobacco Workshop of All India Network Research Project organized by ICAR-CTRI Research Station, Hunsur, Karnataka on 30th Sept. to 1st October, 2015.
7. Dr. A.L. Jatav participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.
8. Dr. A.P. Dubey participated in Annual Workshop of the AICRPAM-NICRA organized by Agriculture College and Research Institute, Madurai on April 28-30, 2015.
9. Dr. A.P. Dubey participated in Annual workshop of the AICRPAM-NICRA organized by Agriculture College and Research Institute, Madurai on April, 28-30, 2015.
10. Dr. Ajay Kumar participated in Annual Workshop of the AICRPAM-NICRA organized by Agriculture College and Research Institute, Madurai on April 28-30, 2015.
11. Dr. Archna Srivastava participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.
12. Dr. Ashwani Kumar participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.
13. Dr. B.N. Tripathi participated in Annual Workshop of AICRP on rice organized by Indian Institute of Rice Research, Rajendra Nagar, Hyderabad (AP) on April 11-15, 2015.
14. Dr. B.N. Tripathi participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.
15. Dr. Babu Singh participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

16. Dr. Birendra Kumar participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

17. Dr. C.B. Singh attended XXXI Annual Group Meet on National Seed Production held at KAU, Trissur on April 19-21, 2016.

18. Dr. C.B. Singh attended Annual Working Group Meeting of All India Coordinated Research Project on Agrometeorology held at OUAT, Bhubaneswar during Nov. 17-19, 2015.

19. Dr. C.B. Singh participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

20. Dr. Mohd. Shamim participated in Annual Review-cum-Workship on UPCAR project organized by UP Council of Agricultural Research (UPCAR), Lucknow on May 07-08, 2016.

21. Dr. C.L. Maurya participated in 4th Uttar Pradesh Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

22. Dr. D. Singh participated in the XXIV Biennial Workshop of AICRP on Management of salt affected soils and use of saline water in agriculture organized by R.B.S. College Agra, Uttar Pradesh during June 05-07, 2015.

23. Dr. D. Singh participated in National Conference on Global Research Initiatives for Sustainable Agriculture and Allied Sciences organized by RVSAU, Gwalior MP on Dec. 12-13, 2015.

24. Dr. D.K. Singh attended AICRP (R&M) Quinquennial Review meeting held at NDUAT, Kumarganj, Faizabad on Feb. 19-20, 2016.

25. Dr. Devendra Singh participated in Soil Physicist XXIV Biennial Workshop of AICRP on Management of salt affected soils and use of saline water in agriculture organized by R.B.S. College Agra, Uttar Pradesh during June 05-07, 2015.

26. Dr. Devendra Singh participated in National Conference on Global Research Initiatives for sustainable Agriculture and Allied Sciences organized by RVSAU, Gwalior MP on Dec. 12-13, 2015.

27. Dr. Geeta Rai attended Annual Group Meet on MULLaRP & Pigeon pea held at BAU, Ranchi on May 22-24, 2015.

28. Dr. Geeta Rai attended Annual Group Meet on MULLaRP & Pigeon pea held at PAU Ludhiana on Aug. 03, 2015.

29. Dr. Geeta Rai participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

30. Dr. H.C. Singh participated in 4th Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

31. Dr. H.C. Singh participated in seminar on Bioresource & stress Management organized by Hyderabad on Jan. 06-10, 2015.

32. Dr. H.G. Prakash participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

33. Dr. Hari Ram participated in Annual Workshop of ACIRP on Rice organized by Indian Institute of Rice Research, Rajendar Nagar, Hyderabad (AP) on April 11-15, 2015.

34. Dr. J. Rai participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March 02-04, 2016.

35. Dr. J. Rai participated in National seminar on Micro Finance: Issue and Challenges held at NABARD, Campus BIRD, Lucknow on Oct. 16-17, 2015.

36. Dr. Jagdish Kumar attended the Group meet of AICRP on cotton held at Surat on April 07-09, 2016.

37. Dr. Javed Bahar Khan participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

38. Dr. Jitendra Kumar attended 54th All India Wheat & Barley Research Worker's Meet held at SKDAU, SK Nagar, Gujrat on Aug. 21-24, 2015.

39. Dr. Jitendra Kumar participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

40. Dr. K. Kumar participated in seminar on National Resource Management for Food Security and Rural Livelihoods held by New Delhi on Feb. 10-13, 2015.

41. Dr. Karam Husain attended Group Meeting of AICRP-IFS held at Jorahat, Asam on December 16-18, 2015.

42. Dr. Karam Husain participated in 4th National Symposium on Transforming indian agriculture towards food & nutritional security held at Jhansi on Feb. 20-21, 2016.

43. Dr. Karam Husain participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

44. Dr. Kaushal Kumar participated in Seminar on National resource management for food security and rural livelihoods held at New Delhi on Feb. 10-13, 2015.

45. Dr. Keshav Prasad participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

46. Dr. Kripa Shanker attended in Annual Group Meeting of AICRP on Nematodes in cropping system held at kalyani on July, 06-07, 2015.

47. Dr. Kripa Shanker attended XIX Biennial Group Meeting of AICRP on Nematodes in cropping system held at University of Agricultural and Horticultural Sciences, Shivamogga, Karnataka on Feb. 08-10, 2016.

48. Dr. Kusum Dwivedi attended in XIX Biennial Group Meeting of AICRP on Nematodes in cropping system held at University of Agricultural and Horticultural Sciences, Shivamogga, Karnataka on Feb. 08-10, 2016.

49. Dr. L. Singh participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

50. Dr. Lallu attended in 23th Annual Group Meet of All India Coordinated Research Project on Rapeseed-Mustard held at UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishwa Vidhyalaya Evam Go Anusandhan Sansthan, Mathura on Aug. 05-07, 2016.

51. Dr. Lallu attended in AICRP (R&M) Quinquennial Review Meeting held at NDUAT, Kumarganj, Faizabad UP on Feb. 19-20, 2016.

52. Dr. M.C. Verma participated in participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

53. Dr. M.F. Husain attended in 51st Annual Group meeting of All India coordinated pearl millet Improvement Project held at CCS, HAU, Hisar on March 18-20, 2016.

54. Dr. Madhu Vajpeyi attended 23rd Annual Group Meet of All India Coordinated Research Project on Rapeseed-Mustard held at UP Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishva Vidhyalaya evam Go Anusandhan Sansthan, Mathura on Aug. 05-07, 2016.

55. Dr. Madhu Vajpeyi attended AICRP (R&M) Quinquennial Review Meeting held at NDUAT, Kumarganj, Faizabad UP on Feb. 19-20, 2016.

56. Dr. Mahak Singh attended 23rd Annual Group Meet of All India Coordinated Research Project on Rapeseed-Mustard held at UP Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishva Vidhyalaya evam Go Anusandhan Sansthan, Mathura on Aug. 05-07, 2016.

57. Dr. Mahak Singh attended AICRP (R&M) Quinquennial Review Meeting held at NDUAT, Kumarganj, Faizabad UP on Feb. 19-20, 2016.

58. Dr. Meera Srivastava attended 54th All India Wheat & Barley Research Workers' Meet held at SKDAU, SK Nagar, Gujrat on Aug. 21-24, 2015.

59. Dr. Meera Srivastava in participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

60. Dr. Mohd. Shamim participated in participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

61. Dr. Munish Kumar participated seminar on National resource management for food security and rural livelihoods held at New Delhi on Feb. 10-13, 2015.

62. Dr. Narendra Kumar attended Annual Group Meet on AICRP on cotton held at Surat on April 07-09, 2016.

63. Dr. O.P. Yadav participated in participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

64. Dr. OM Prakash participated XXII Tobacco Workshop of All India Network Research Project organized by ICAR-CTRI Research Station, Hunsur, Karnataka on 30th Sept. to 1st Oct. 2015.

65. Dr. P.K. Gupta 54th All India Wheat & Barley Research Worker's Meet held at SKDAU, SK Nagar, Gujrat on Aug. 21-24, 2015.

66. Dr. P.K. Gupta in participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

67. Dr. P.K. Rajput participated in seminar on Transforming indian agriculture towards food and national security held at Jhansi on Feb. 20-21, 2016.

68. Dr. P.K. Rajput participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

69. Dr. P.K. Rajput participated seminar on managing crop productivity for food security in changing climate scenario held at Department of Agricultural Botany, Janta College, Bakewar, Etawah on March 28-29, 2015.

70. Dr. P.N. Yadav participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

71. Dr. Poonam Singh participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

72. Dr. R. Kumar participated in the XXIV Biennial Workshop of AICRP on Management of salt affected soils and use of saline water in agriculture organized by RBS College Agra, Uttar Pradesh during June 05-07, 2015.

73. Dr. R. Kumar participated in National Conference on Global Research Initiatives for sustainable agriculture and allied science organized by RVSAU, Gwalior MP on Dec. 12-13, 2015.

74. Dr. R. Prasad participated 23rd Annual Group Meet of All India Coordinated Research Project on Rapeseed-Mustard held at UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishva Vidhyalaya Evam Go Anusandhan Sansthan, Mathura on Aug. 05-07, 2016.

75. Dr. R. Prasad attended in AICRP (R&M) Quinquennial Review Meeting held at NDUA&T, Kumarganj, Faizabad on Feb. 19-20, 2016.

76. Dr. R.A. Yadav participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

77. Dr. R.A. Yadav attended 7th Annual Group Meeting of All India Network Research Project on Onion and Garlic organized by CSAUA&T, Kanpur on April 04-05, 2016.

78. Dr. R.C. Nigam participated in 24th Annual Workshops of AINP pesticide residue organized by Punjab Agriculture University Ludhiana (Punjab) on May 27-29, 2016.

79. Dr. R.K. Pandey participated in 24th Annual Workshops on AINP pesticide residue organized by Punjab Agriculture University Ludhiana (Punjab) on May 27-29, 2016.

80. Dr. R.S. Baghel attended 23rd Annual Group Meet of All India Coordinated Research Project on Rapeseed-Mustard held at UP Pandit Deen Dayal Upadhyay Pashu Chikitsa Vigyan Vishwa Vidhyalaya evam Go Anusandhan Sansthan, Mathura on August 05-07, 2016.

81. R.S. Baghel attended in AICRP (R&M) Quinquennial Review meeting held at NDUA&T, Kumarganj, Faizabad UP on Feb. 19-20, 2016.

82. Dr. Rajvir Singh attended 54th All India Wheat & Barley Research Worker's Meet held at SKDAU, SK Nagar, Gujrat on Aug. 21-24, 2015.

83. Dr. Rakesh Kumar Singh participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

84. Dr. Rakesh Kumar Singh participated in a seminar on Bioresource & Stress Management organized by Hyderabad on Jan. 06-10, 2015.

85. Dr. S.B. Pandey attended 79th Annual Convention of Indian Society of Soil Science (ISSS) organized by Acharya N.G. Ranga Agricultural University, Hyderabad on November 24-27, 2014.

86. Dr. S.N. Singh participated in seminar on Bioresource and Stress Management organized by Hyderabad on Jan. 06-10, 2015.

87. Dr. S.K. Srivastava participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

88. Dr. S.N. Pandey participated in the XXIV Biennial Workshop of AICRP on Management of salt affected soils and use of saline water in agriculture held at RBS Collage Agra, Uttar Pradesh during une 5-7, 2015.

89. Dr. S.V. Singh attended 54th All India Wheat & Barley Research Workers' Meet held at SKDAU, SK Nagar, Gujrat on Aug. 21-24, 2015.

90. Dr. S.V. Singh participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

91. Dr. Saukat Ali participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

92. Dr. Shweta participated National Conference on Global research initiatives for sustainable agriculture & allied sciences organized by Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior on December 12-13, 2015.

93. Dr. Shweta participated National Seminar on Managing crop productivity for food security in changing climate scenario organized by Janta College, Bakewar, Etawah UP on March 28-29, 2015.

94. Dr. Shweta participated National workshop on Women empowerment during xii five year plan through agricultural mechanization organized by Department of Extension, Education & Communication Management, College of Home Science, CSAUA&T Kanpur On Dec. 24-25, 2015.

95. Dr. V. Kumar participated in the XXIV Biennial Workshop of AICRP on Management of salt affected soils and use of saline water in agriculture organized by R.B.S. College Agra, Uttar Pradesh during June 05-07, 2015.

96. Dr. V.K. Yadav participated in 50th Golden Jubilee Annual Workshop of AICRP on Rice organized by Indian Institute of Rice Research, Rajendar Nagar, Hyderabad (AP) on April 11-15, 2015.

97. Dr. V.K. Yadav participated Annual Review and Planning Workshop of STRASA (Stress Tolerance Rice for Africa and South Asia) organized by National Academy of Agricultural Sciences, NASC Complex, New Delhi on April 19-22, 2015.

98. Dr. V.K. Yadav participated in 4th Agricultural Science Congress on strategic governance and technological advancement for sustainable agriculture organized by CS Azad University of Agriculture & Technology, Kanpur on March 02-04, 2016.

99. Dr. V.P. Nagaich participated in participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

100. Dr. A.P. Dubey participated seminar on transforming Indian Agriculture towards food and nutritional security held at IGFRI, Jhansi on 21.02.2016.

101. Dr. Poonam Singh attended XXXI Annual Group Meet on National Seed Production

102. Dr. A.P. Dubey attended Training programme on Capacity Building on Agromet data analysis, Crop simulation modeling (DSSAT) and documentation of results organized by CRIDA, Hyderabad on 28 July to August 06, 2015.

103. Dr. C.B. Singh attended Training Programme on Analysis of historical climate-experimental crop data collected under AICRPAM, crop weather pest & diseases-relationships, extreme weather impact and documentation of results etc. organized by BCKV, Mohanpur, WB on Feb. 10-19, 2016.

104. Dr. C.B. Singh attended Training Programme on Capacity Building on Agromet data analysis, crop simulation modeling (DSSAT) and documentation of results organized by CRIDA, Hyderabad on 28 July to Aug. 06, 2015.

105. Dr. C.L. Maurya attended in 3 days Training Programme on domestic, enquiry, disciplinary action and discipline held at Institute of Public Administration, Bangluru on March 21-23, 2016.

106. Dr. Devendra Swaroop attended Winter School on Managing natural resources for sustainable rural livelihood security organized by SHIATS (AAI) on Nov. 18 to Dec. 08, 2015.

107. Dr. Kripa Shanker attended refresher course in Neamtology held at TNAU, Coimbatore on 25 Sept. to 09 Oct. 2015.

108. Dr. Naushad Alam attended Winter School on Managing natural resources for sustainable rural livelihood security organized by SHIATS (AAI) on Nov. 18 to Dec. 08, 2015.

109. Dr. R.K. Pandey attended Winter School on Managing natural resources for sustainable rural livelihood security organized by SHIATS (AAI) on Nov. Nov. 18 to Dec. 08, 2015.

110. Dr. Ram Palat attended Winter School on Managing natural resources for sustainable rural livelihood security organized by SHIATS (AAI) on Nov. Nov. 18 to Dec. 08, 2015.

111. Dr. Shweta attended International course plant variety protection course at Wageningen UR in The Netherlands on June 13-24, 2016.

112. Dr. Shweta attended a training programme integration of conventional and biotechnological approaches for improvement of dual purpose crops and grasses organized by crop improvement division of Indian grassland and fodder research institute, Jhansi on 28 Jan to Feb. 17, 2016.

113. Dr. Ved Ratan attended in Orientation training program for Phytosanitary certificate issuing authorities held at NIPHM, Hyderabad on Aug. 17-22, 2015.

College of Home Science

1) Dr. Neelma Kunwar attended in Twenty Seventh Appreciation Course in Parliamentary Processes and Procedure organized by Lok Sabha Secretariat, New Delhi on May 02-06, 2016.

2) Dr. Seema Sonkar participated in International Conference on Sustainable Agriculture for Energy & Industry in regional and Global Context (ICSAFE-2015) held at Kuala lampur, Malaysia on August 25-27, 2015.

3) Dr. Ritu Pandey participated in quality management in engineering materials organized by UPTTI, Kanpur on June 20-25, 2016.

4) Dr Archana Singh Attended in Human Values and professional ethics organized by IIT, Kanpur on June 22-29, 2016.

5) Dr. Puspa Devi attended Winter School on managing natural resources for sustainable rural livelihood security organized by SHIATS (AAI) on Nov. 18 to Dec. 08, 2015.

College of Horticulture

1. Dr. K.P. Singh participated in National symposium on Vegetable Legumes for Soil and Human Health organized by IIVR Varanasi on Feb. 12-14, 2016.
2. Dr. K.P. Singh attend Annual Group meet on AICRP-VC 2015 held at IIVR Varanasi on May 21-24, 2015.
3. Dr. K.P. Singh participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.
4. Dr. V.K. Tripathi participated in Seminar on National Resource management for food security and rural livelihoods held by New Delhi on Feb. 10-13, 2015.

College of Forestry

1. Dr. S.C. Katiyar participated in seminar on National resource management for food security and rural livelihoods held by New Delhi on Feb. 10-13, 2015.

2. Dr. S.K. Uttam participated seminar on managing crop productivity for food security in changing climate scenario held at Department of Agricultural Botany, Janta College, Bakewar, Etawah on March 28-29, 2015.

3. Dr. S.K. Uttam attended seminar on Transforming Indian Agriculture towards foods and national security held at Jhansi on Feb. 20-21, 2016.
4. Dr. S.K. Uttam participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.
5. Dr. S.K. Uttam participated in National Resource Management for Food Security and Rural Livelihoods held by New Delhi on Feb. 10-13, 2015.
6. Dr. Sarvesh Kumar participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.
7. Dr. Sarvesh Kumar participated in seminar on national resource management for food security and rural livelihoods held by New Delhi on Feb. 10-13, 2015.
8. Dr. Sarvesh Kumar participated in seminar on Recent advances in diversified agricultural system organized by CCR College Muzaffar Nagar organized by Feb. 20-21, 2016.
9. Dr. U.D. Awasthi participated seminar on managing crop productivity for food security changing climate scenario held at Deptt of Agricultural Botany, Janta College, Bakewar, Etawah on March 28-29, 2015.
10. Dr. U.D. Awasthi participated seminar on Transforming Indian Agriculture towards food and national security held at Jhansi on Feb. 20-21, 2016.
11. Dr. U.D. Awasthi participated participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.
12. **Dr. Sarvesh Kumar** attended short course programme on Agro-ecotourism in emerging enterprise organized by ICAR-CCARI, Goa on Oct. 31 to Nov. 09, 2016.
13. Dr. R.P. Singh participated seminar on Transforming Indian Agriculture towards food and national security held at Jhansi on Feb. 20-21, 2016.
14. Dr. R.P. Singh participated in 4th UP Agricultural Science Congress on Strategic governance and technological advancement for sustainable agriculture organized by CSAUA&T, Kanpur on March, 02-04, 2016.

2016-17

College of Agriculture

1. Dr. A.K. Singh attended National Conference on Farmer's Centric Agri-innovation for sustainable Development organized by CSAUA&T Kanpur during March 24-25, 2017.
2. Dr. A.K. Srivastava attended in IX Group Meeting of All India Network Research Project on Tobacco organized by ICAR-CTRI, Rajahmundry (A.P.) during October 12-13, 2016.
3. Dr. A.K. Srivastava attended in QRT meeting of AICRP (Pigeonpea) organized by Birsha Munda Agriculture University, Ranchi, Chhatisgarh on May 2017.
4. Dr. A.K. Srivastava attended in the Annual Group Meeting of AICRP (Pigeon-pea)-2017 organized by RAU Samastipur, Bihar during May 19-21, 2017.
5. Dr. A.K. Tripathi attended National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices, organized by NSI, Kanpur and CSAUA&T, Kanpur on April 06-07, 2017.
6. Dr. A.L. Jatav participated in National Conference on Farmers Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

7. Dr. A.L. Jatav participated in 5th National Seminar on Recent Advances & Emerging challenges in Biological Techniques organized by DGPG College, Kanpur during Sept. 20-21, 2016.

8. Dr. Akhilesh Mishra attended Annual Group meeting of AICRP (Pigeonpea)-2017 organized by RAU Samastipur, Bihar during May 19-21, 2017.

9. Dr. Akhilesh Mishra attended International Conference on recent trends in agriculture, veterinary & life science organized by Carnal College for Women, Nuveen Goa during Feb. 02-04, 2017.

10. Dr. Akhilesh Mishra attended QRT meeting of AICRP (Pigeonpea) organized by Birsha Munda Agriculture University, Ranchi, Chhatisgarh on May 2017.

11. Dr. Anil participated in 28th National Biennial workshop of the AICRP- Micro and Secondary Nutrient & Pollutant Elements in Soils and Plants. Indian Institute of Soil Science Bhopal (MP) during March 21-23, 2017.

12. Dr. Ashish Kumar Srivastava attended National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices, organized by NSI, Kanpur and CSAUA&T, Kanpur during April 06-07, 2017.

13. Dr. Ashish Kumar Srivastava participated in International conference on recent trends in agriculture veterinary & life sciences organized by Goa, India during Feb. 02-04, 2017.

14. Dr. Ashish Kumar Srivastava participated in Recent Trends and future prospects in sustainable agriculture with reference to climate change organized by Janta College, Bakewar, Etawah during March, 18-19, 2017.

15. Dr. C.L. Maurya particpated in Brain storming of UP-Present status on seed demand, availability and strategies to bridge the gap (Pulse & Vegetables) organized by UPCAR, Lucknow during 07 March, 2017.

16. Dr. C.L. Maurya participated in XIV National Seed Seminar held at New Delhi organized by New Delhi during Jan. 28-30, 2017.

17. Dr. C.B. Singh participated in National Conference on Farmer's Centric Agri-innovation for sustainable development ogranized by CSAUA&T, Kanpur during March 24-25, 2017.

18. Dr. C.B. Singh participated in XIV National Seed Seminar held at New Delhi during Jan. 28-30, 2017.

19. Dr. D. Singh participated in 5th National Seminar on AICRP on Management of salt affected soils and use of saline water in agriculture held at S.K. Univerity of Agriculture, organized by S.K. Agricultural University, Bikaner Rajasthan during Jan 21-23, 2017.

20. Dr. D. Singh participated in the annual workshop of AICRP on management of salt affected soils and use of saline water in agriculture organized by CSSRI, Karnal on May 06-07, 2017.

21. Dr. D. Singh particpated in the XXV biennial workshop of AICRP on management of salt affected soils and use of saline water in agriculture organized by S.K. University of AGriculture, Bikaner, Rajasthan during Jan. 19-20, 2017.

22. Dr. D.D. Yadav particpated in National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices, organized by NSI, Kanpur and CSAUA&T, Kanpur NSI, Kanpur during April 06-07, 2017.

23. Dr. Devendra Swaroop attended National Symposium on National Resource Management for Sustainable Agriculture and Rural Development organized by SBSRD-Vigyan Parishad Allahabad, UP on Nov. 05-06, 2016.

24. Dr. Devendra Swaroop participated in National Conference on Farmer's Centric Agri-innovation for sustainable Development organized by CSAUA&T Kanpur during March 24-25, 2017.

25. Dr. Devendra Swaroop participated in National Seminar on information and communication management concerning climate smart agriculture for sustainable development and poverty Alleviation organized by ISEE, IARI and RVSKVA, Gwalior, MP on Nov. 28-30, 2016.

26. Dr. H.C. Singh attended conference on Intellectual Property Right: A Boon for Sustainable Production organized by Janta College Bakewar during Jan. 18-19. 2017.

27. Dr. H.C. Singh attended in National Seminar on Recent trends and future prospects in sustainable Agric. with reference to climate change organized by Janta College Bakewar during March 18-19, 2017.

28. Dr. H.C. Singh attended National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

29. Dr. H.G. Prakash attended in Agriculture Research and Education in relation to development of integrated Agriculture: Challenges & Solutions organized by IISR, Lucknow during June 14, 2017.

30. Dr. H.G. Prakash attended National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices organized by National sugar institute, Kanpur during April 06-07, 2017.

31. Dr. H.G. Prakash participated in National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017 and chaired a session on technological intervention for improving dairy, poultry, fisheries, piggery, apiculture and sericulture productivity.

32. Dr. Jagdish Kumar attended in the Annual Group meeting of AICRP on cotton organized by TNAU, Coimbatore during April 08-10, 2017.

33. Dr. Javed Bahar Khan attended 55th All India Wheat & Barley Research Worker's Meet organized by CCSHAU, Hisar on Aug. 21-24, 2016.

34. Dr. Jitendra Kumar attended 55th All India Wheat & Barley Research Worker's Meet organized by CCSHAU, Hisar during Aug. 21-24, 2016.

35. Dr. Jitendra Singh attended National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

36. Dr. K.P. Singh attended in National Conference on Farmer's Centric Agri-innovation for sustainable Development organized by CSAUAT, Kanpur during March 24-25, 2017.

37. Dr. Karam Husain attended in Biennial Workshop of AICRP-IFS organized by SKUAT, Jammu during Dec. 22-24, 2016.

38. Dr. Karam Husain attended National conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

39. Dr. Karam Husain attended National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices organized by NSI, Kanpur April 06-07, 2017.

40. Dr. Kaushal Kumar participated in ICAR sponsored summer school on scaling water productivity and resource conservation in upland field crops ensuring more crop per drop held from Sept. 06-26, 2017 at ICAR- Indian Institute of Pulses Research, Kanpur.

41. Dr. Kusum Dwivedi, Asstt. Nematologist, attended training programme on "Refreshers course on Bioagents" held at Department of Nematology, Tamil Nadu Agricultural University, Coimbatore during July, 18-29, 2016.

42. Dr. Lallu Singh attended International Conference on Nutraceuticals and Functional Foods – The Challenges and Opportunities organized by Anand (Gujarat), India during Dec. 06-08, 2016.

43. Dr. Lokendra Singh participated in National Conference on Farmer's Centric Agri-innovation for sustainable Development organized by CSAUA&T, Kanpur during March 24-25, 2017.

44. Dr. M. Gufran attended conference on intellectual property right: A boon for sustainable production organized by Janta College Bakewar during Jan. 18-19, 2017.

45. Dr. M.F. Husain participated in 52nd Annual Group Meeting of All India coordinated pearl millet improvement project organized by Punjab Agricultural University, Ludhiana (Punjab) during April 28-30, 2017.

46. Dr. M.Z. Siddique attended National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices, organized by NSI, Kanpur and CSAUA&T, Kanpur during April 06-07, 2017.

47. Dr. Madhu Vajpeyi attended 23rd Annual Group Meet of All India Coordinated Research Project on Rapeseed – Mustard workshop, meet organized by UP Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishwavidhyalaya Evam Go Anusandhan Sansthan, Mathura during Aug. 05-07, 2016.

48. Dr. Meera Srivastava attended 55th All India Wheat & Barley Research Workers' Meet organized by CCSHAU, Hisar during Aug. 21-24, 2016.

49. Dr. N. Khan attended National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices, organized by NSI, Kanpur and CSAUA&T, Kanpur on April 06-07, 2017.

50. Dr. Nalini Tewari attended National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur March 24-25, 2017.

51. Dr. Nalini Tiwari attended Annual Group Meet on linseed organized by PJTSAU, Hyderabad during 17-19 August, 2017.

52. Dr. Nalini Tiwari attended International Science Congress on Post Harvest Technologies of Agricultural Produces for sustainable food and nutrition security organized by Integral University, Lucknow during Nov. 10-12, 2016.

53. Dr. Nand Kumar attended National Conference on Innovative and Current Advances in Agriculture and Allied Sciences organized by Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad during Dec. 10-11, 2016.

54. Dr. Narendra Kumar attended Annual Group meeting of AICRP on cotton organized by TNAU, Coimbatore during April 08-10, 2017.

55. Dr. Narendra Singh attended Annual Group Meet on linseed organized by PJTSAU, Hyderabad during 17-19, Aug. 2017.

56. Dr. Naushad Alam attended National Symposium on Natural Resource Management for sustainable agriculture and rural development organized by SBSRD – Vigyan Parishad Allahabad, UP on Nov. 05-06, 2016.

57. Dr. Naushad Alam participated in National Seminar on Information and Communication Management concerning Climate Smart Agriculture for Sustainable Development and Poverty Alleviation organized by ISEE, IARI, and RVSKVA, Gwalior, MP on Nov. 28-30, 2016.

58. Dr. O.P. Yadav attended National Conference Farmer's Centric Agri-innovation for sustainable development organized by CSAU&T, Kanpur during March 24-25, 2017.

59. Dr. Poonam Singh participated in XXIII meeting of ICAR Regional Committee No. VI organized by ICAR-RCER, Patna during August 26-27, 2016.

60. Dr. Pramod Kumar participated in National Conference on Farmer's Centric Agri-innovation for sustainable development held at CSAUAT, Kanpur on March 24-25, 2017.

61. Dr. R. Kumar participated in 5th National seminar on AICRP on Management of salt affected soils and use of saline water in agriculture organized by S.K. University of Agriculture, organized by S.K. Agricultural University, Bikaner, Rajasthan during January 21-23, 2017.

62. Dr. R. Kumar participated in the xxv biennial workshop of AICRP on Management of salt affected soils and use of saline water in agriculture organized by S.K. University of Agriculture, Bikaner, Rajasthan during January 19-20, 2017.

63. Dr. R.A. Yadav attended National Conference on farmers Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

64. Dr. R.A. Yadav attended National seminar on recent trends and future prospects in sustainable agriculture with reference to climate change organized by Janta College, Bakewar, Etawah during March 18-19, 2017.

65. Dr. R.C. Nigam attended 25th annual workshop on pesticide residues organized by SKUAST, Srinagar, Kashmir during July 13-14, 2017.

66. Dr. R.K. Pandey attended 25th annual workshop on pesticide residues organized by SKUAST, Srinagar, Kashmir during July 13-14, 2017.

67. Dr. R.K. Yadav attended International Conference on Global Agriculture & Innovation organized by International University, Greater Noida during Nov. 27-29, 2016.

68. Dr. R.K. Yadav participated in National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T Kanpur during March 24-25, 2017.

69. Dr. R.P. Vyas participated in National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

70. Dr. Ram Pyare participated in National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices, organized by NSI, Kanpur and CSAUA&T, Kanpur on April 6-7, 2017.

71. Dr. Ram Pyare participated in recent trends and future prospects in sustainable agriculture with reference to climate change organized by Janta College, Bakewar, Etawah during March, 18-19, 2017.

72. Dr. Ranvir Singh participated in 28th National Biennial workshop of the AICRP-Micro and Secondary Nutrient & Pollutant Elements in soils and plants. Indian Institute of Soil Science, Bhopal (MP) during March 21-23, 2017.

73. Dr. S.K. Biswas participated in 12th National Symposium on "Biotic stress management strategies: Challenges and environmental harmonization" organized by Uttar Banga Krishi Viswa Vidyalaya, Pundibari, Coach Bihar and Society of Plant Protection Sciences at Coach Bihar, West Bengal during Jan. 17-19, 2017.

74. Dr. S.K. Biswas participated in National Conference on Innovative and current advances in agriculture and allied sciences organized by Prof. Jayashankar Telengana State Agricultural University, Rajendranagar, Hyderabad Telangana during Dec. 10-11, 2016.

75. Dr. S.K. Singh participated in National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T Kanpur during March 24-25, 2017.

76. Dr. S.N. Pandey participated in 5th National Seminar on AICRP on Management of salt affected soils and use of saline water in agriculture organized by S.K. University of Agriculture, organized by S.K. Agricultural University, Bikaner Rajasthan during Jan. 21-23, 2017.

77. Dr. S.P. Singh participated in National Conference on Innovative and Current Advances in Agriculture and Allied Science held at PJTSAU, Rajendranagar, Hyderabad (Telengana) India on Dec. 10-11, 2016.

78. Dr. S.V. Singh attended 55th All India Wheat & Barley Research Workers' Meet organized by C.C.S.H.A.U, Hisar during Aug. 21-24, 2016.

79. Dr. Sadhana Vaish attended National Symposium on Natural Resource Management for sustainable agriculture and rural development organized by SBSRD Vigyan Parishad, Allahabad, UP on Nov. 05-06, 2016.

80. Dr. Sadhana Vaish participated in National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAU&T, Kanpur during March 24-25, 2017.

81. Dr. Shweta participated in National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAU&T, Kanpur during March 24-25, 2017.

82. Dr. Shweta participated in National conference in Innovative and current advances in agriculture & allied science organized by Prof. Jayashanker Telangana State Agriculture University Rajendra Nagar, Hyderabad (Telangana) on Dec. 10-11, 2016.

83. Dr. U.S. Tiwari attended in Biennial Workshop of AICRP-IFS organzied by SKUAT, Jammu during Dec. 22-24, 2016.

84. Dr. U.S. Tiwari attended National conference on farmers' centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

85. Dr. U.S. Tiwari attended National seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices organized by National Sugar Institute, Kanpur during April 6-7, 2017.

86. Dr. V.K. Verma attended in National Seminar on integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices, organized by NSI, Kanpur and CSAUA&T, Kanpur on April 6-7, 2017.

87. Dr. V.K. Verma participated in recent trends and future prospects in sustainable agriculture with reference to climate change organized by Janta College, Bakewar, Etawah during March 18-19, 2017.

88. Dr. Vijay Kumar Yadav participated in Annual Review and Planning Workshop of STRASA organized by National Academy of Agricultural Sciences, NASC Complex, New Delhi during April 30 to May 02, 2017.

89. Dr. Vijay Kumar Yadav participated in International Congress on post harvest technologies of agricultural produce for sustainable food and nutritional security, Nov. 10-12, 2016.

90. Dr. Vijay Kumar Yadav participated in 2nd "National Youth convention on Agricultural Innovations in Sustainable Food System for improving Rural livelihood: The youth perspective" at University of Agricultural Sciences, Raichur, Karnataka on Feb. 20, 2017.

91. Dr. Vijay Kumar Yadav participated in 52th Annual Rice Group Meeting organized by Assam Agricultural University, Jorhat, Assam during April 8-11, 2017.

92. Dr. Vijay Kumar Yadav participated in Agriculture Research and Education in relation to development of integrated Agriculture: Challenges & Solutions organized by IISR, Lucknow during June 14, 2017.

93. Dr. Vijay Kumar Yadav participated in International congress on post harvest technologies of Agricultural produce for sustainable food and nutritional security during Nov. 10-12, 2016.

94. Dr. Vijay Kumar Yadav participated in National Science day & 2nd Dr. D.P. Singh Memorial Lecture organized by CSAUAT, Kanpur during Feb. 28, 2017.

95. Dr. Y.K. Singh attended Biennial Workshop of AICRP-IFS organized by S.K.U.A.T, Jammu during Dec. 22-24, 2016.

96. Dr. Y.K. Singh attended National conference on farmers' centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

97. Manoj Mishra attended National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

98. Sri Vishram Singh participated in Farmers centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March, 24-25, 2017.

99. Sri Vishram Singh participated in integrated approach for enhancing sugarcane and overall farm productivity by adopting improved cultivation and analytical practices organized by NSI, Kanpur during April, 6-7, 2017.

100. Sri Vishram Singh participated in recent trends and future prospects in sustainable agriculture with reference to climate change organized by Janta College, Bakewar, Etawah during March, 18-19, 2017.

101. Dr. A.P. Dubey attended training programme on Forth Capacity Enhancement Program on application of advanced Agro meteorological tools in agricultural production system organized by CCS University, of Agriculture, Hisar, Haryana during Feb. 22 to March 03, 2017.

102. Dr. C.B. Singh attended training programme on Forth Capacity Enhancement Program on application of advanced Agro meteorological tools in agricultural production system organized by CCS University of Agriculture, Hisar, Haryana during Feb. 22 to March 03, 2017.

103. Dr. Devendra Swaroop participated in Community Radio Awareness Workshop Ministry of IB, Govt. of India & SMART at Allahabad on Feb. 17-18, 2017.

104. Dr. Devendra Swaroop participated in HRD, Training on Animal Health & Establishment of Animal Demonstration units, D.E. CSAUA&T, Kanpur on Feb. 27-28, 2017.

105. Dr. J. Rai attended CAFT Training Programme on Impact Assessment of Agricultural Technology organized by Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi during Dec. 14, 2016 – Jan. 03, 2017.

106. Dr. Kripa Shanker, In-charge, AICRP (Nematode) participated in Annual Group Meet on nematodes in cropping system held at Indian Statistical Institute, Kolkata on 26 Feb. 25, 2017.

107. Dr. Kusum Dwivedi, Asstt. Nematologist attended the Annual Group Meet on nematodes in cropping system held at Indian Statistical Institute Kolkata on Feb. 24-25, 2017.

108. Dr. M.M. Tiwari attended a short course training program on Engineering interventions in fodder production including management of fodder/crop residue and their value addition organized by IGFRI, Jhansi during Jan. 30 to Feb. 08, 2017.

109. Dr. Omkar Singh Yadav participated in Advance Training Programme at ATARI Kanpur on June 25, 2016.

110. Dr. Omkar Singh Yadav participated in Training Programme in Animal Husbandary at Directorate of Extension, CSAUA&T, Kanpur on Feb. 27-28, 2017.

111. Dr. P.K. Bisen participated in Training Programme on Improving physiological efficiency for quality cane vis-a-vis managing post harvest sucrose losses in sugarcane at IISR, Lucknow on Nov. 08-28, 2016.

112. Dr. P.K. Bisen, in participated in Training Programme on Scientific Technique of Rapeseed-Mustard at DRMK, Bharatpur on Sept. 05-06, 2016.

113. Dr. Pramod Kumar Soni attended a short course training program on Engineering interventions in fodder production including management of fodder/crop residne and their value addition organized by IGFRI, Jhansi during Jan. 30 to Feb. 08, 2017.

114. Dr. Priya Vashishtha participated in Refresher Course in Modern Society & their Role on Feb. 22 to March 14, 2017 at UGC Human Resource Development Centre, BHU, Varanasi.

115. Dr. Priya Vashishtha participated in Refresher Course on Human Right & Social inclusion from 10-30th Nov. 2016 at UGC Human Resource Development Centre at University of Allahabad, Allahabad.

116. Dr. Rakesh Kumar Singh attended training programme on capacity building programme for univesity teachers on Essential Teaching Skills for Effective Teaching organized by GBPUAT, Pantnagar during Dec., 26, 2016 to Jan. 01, 2017.

117. Dr. Ram Naresh Dixit attended training programme on innovative approaches and advances in organic agriculture for sustainable crop production normal and salt affected soils organized by CSSRI, Regional Research Station, Lucknow during Sept. 13-22, 2016.

118. Dr. Shweta attended a short course training program on “Plant Variety Production Course” organized by Netherlands during Aug. 16-17, 2016.

119. Dr. Shweta attended training programme on Experimental Approaches in Utilization of Genetic Resources for the Improvement of Horticultural Crop organized by College of Horticulture UHS Campus, GKUK Post Bengaluru during July 05-25, 2017.

120. Dr. Sushil Kumar participated in 5 days Workshop of Extension Methodology organized by EEI, Neelokheri on July 04-08, 2016.

121. The Tej Prakash, participated in Training Programme International Pulse year 2016 on Dec. 22, 2016.

122. Mr. Subhash Chandra Sharma participated in Training Programme in Eco friendly and synergetic management of horticulture crop for increasing income of farm families on Jan 23-24, 2017.

College of Home Science, Kanpur

1. Dr. Ritu Pandey, Assistant Professor, Textiles and Clothing was adjudged outstanding participant in a short course on Value Addition in Jute & Allied Fibers through Product Diversification & Waste Utilization on Sept. 15, 2016 to Oct. 05, 2016 at NIRJAFT, ICAR, Kolkata.

College of Horticulture, Kanpur

1. Dr. Rajiv participated in National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.
2. Dr. V.K. Tripathi participated in National conference in Innovative and current advances in agriculture & allied science organized by Prof. Jayashanker Telangana State Agriculture University Rajendra Nagar, Hyderabad (Telangana) on Dec. 10-11, 2016.
3. Dr. V.K. Tripathi attended a training programme on Southeast Asia International Joint-Research and Training Programme on Green Energy Technologies: Biofuel and Renewable Energy Technologies organized by National Taiwan University, Taipae, Taiwan during July 08-16, 2016.
4. Dr. V.K. Tripathi attended Southeast Asia International Joint-Research and Training Programme on "Green Energy Technologies: Biofuel and Renewable Energy Technologies organized by National Taiwan University, Taipae, Taiwan on July 08-16, 2016.

College of Agricultural Engineering, Etawah

1. Er. Devendra Kumar attended National Conference on Farmer's Centric Agri-innovation for sustainable development organized by CSAUA&T, Kanpur during March 24-25, 2017.

2. Er. Devendra Kumar attended National Seminar on recent trends and future prospects in sustainable Agric. with reference to climate change organized by Janta College Bakewar during March 18-19, 2017.

3. Er. Devendra Kumar attended International Workshop on Sustainable agricultural mechanization: Prospects and Challenges for India Agriculture organized by SHAUTS, Allahabad during March 29, 2017.

4. Er. M.A. Hussain attended National Seminar on Professional Development of Teachers organized by Dr. BRA University, Lucknow during March 24, 2017.

5. Dr. M.A. Hussain attended National Seminar on "Role of social media in society transformation, issues and challenges" organized by Dr. BRA University, Lucknow during March 25-26, 2017.

6. Er. P.K.S. Bhadauria attended International Conference on Modeling of environmental and water resources systems organized by HBTU, Kanpur during March 24-26, 2017.

7. Er. Rajeev Singh attended in National Seminar on Role of social media in society transformation, issues and challenges organized by Dr. BRA University, Lucknow during March 25-26, 2017.

8. Er. Rajeev Singh attended National Seminar on "Professional Development of Teachers organized by Dr. BRA University, Lucknow during March 24, 2017.

9. Er. V.K. Verma attended National Seminar on Recent trends and future prospects in sustainable Agric. with Reference to climate change organized by Janta College Bakewar, March 18-19, 2017.

2017-18

College of Agriculture

1. Dr. A.K. Srivastava attended QRT meeting of AICRP (Pigeon pea) held at Birsha Munda Agriculture University, Ranchi, Jharkhand during June 6-7, 2017.

2. Dr. A.K. Srivastava attended the Annual Group Meeting of AICRP (Pigeonpea)-2017 held at RAU Samastipur, Bihar during May 19-21, 2017.

3. Dr. A.K. Srivastava participated in National Conference on Organic farming for sustainable agricultue and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during December 12-13, 2017.

4. Dr. Akhilesh Mishra attended Annuap Group Meeting of AICRP (Pigeonpea)-2017 held at RAU Samastipur, Bihar during May 19-21, 2017.

5. Dr. Akhilesh Mishra attended International Science Congress-2017 held at Asian Institute of Technology, Bankok of Thailand during Dec. 12-13, 2017.

6. Dr. Akhilesh Mishra attended the QRT Meeting of AICRP (Pigeonpea) held at Birsha Munda Agriculture University, Ranchi, Jharkhand during 06-07, 2017.

7. Dr. Akhilesh Mishra participated in International Conference on Recent Trends in Agriculture, Veterinary & Life Sciences held at Nuven, Goa during Feb. 02-04, 2017.

8. Dr. Akhilesh Mishra participated in National Conference on Organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

9. Dr. Anand Swaroop Srivastava participated in National Conference on Organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

10. Dr. Anil Kumar attended QRT meeting organized by OUA&T Bhubeneswar (Odisha) during 06-09 March, 2018.

11. Dr. Anil Kumar participated in National Conference on organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

12. Dr. Arvind Kumar Srivastava participated in National Conference on Organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

13. Dr. Bhanu Pratap Singh participated in National Conference on Organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

14. Dr. Birendra Kumar participated in International conference on sustainability of small holder agriculture in developing countries under changing climate scenario organized by CSAUA&T, Kanpur during Feb. 14-17, 2018.

15. Dr. Birendra Kumar participated in National Conference on Organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

16. Dr. C.L. Maurya participated in National Conference on Organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

17. Dr. C.L. Maurya participated in International Conference on Global research initiatives for sustainable agriculture & allied sciences held at MPUAT, Udaipur during 02-04 Dec., 2017.

18. Dr. C.L. Maurya participated in International conference on sustainability of small holder agriculture in developing countries under changing climate scenario organized by CSAUA&T, Kanpur during Feb. 14-17, 2018.

19. Dr. C.B. Singh Gangwar attended XXIV Annual Group Meet of NSP held at Karaikal (Pondicherry) during May 09-11, 2018.

20. Dr. D. Singh participated in International conference on sustainability of small holder agriculture in developing countries under changing climate scenario organized by CSAUA&T, Kanpur during Feb. 14-17, 2018.

21. Dr. D.D. Yadav participated in National Conference on Organic farming for sustainable agriculture & livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

22. Dr. D.K. Tripathi participated in National Conference on Organic farming for sustainable agriculture & livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

23. Dr. D.K. Tripathi participated in Role of Science & Technology with relevance Nation Swachata Abhiyan organized by Directorate of Higher Education Govt. (UP) held at Department of Zoology D.G. (PG) College, Kanpur on March 29-30, 2018.

24. Dr. D.P. Singh participated in 6th International conference on sustainability of small holder agriculture in developing countries under changing climate scenario held at CSAUA&T, Kanpur during Feb. 14-17, 2018.

25. Dr. D.R. Singh in International conference on sustainability of small holder agriculture in developing countries under changing climate scenario organized by CSAUA&T, Kanpur during Feb. 14-17, 2018.

26. Dr. D.R. Singh participated in National Conference on Organic farming for sustainable agriculture & livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

27. Dr. D.R. Singh participated in Review Workshop on IMPACT of indiscriminate use of chemical fertilizer and pesticides held at NIPHM Hyderabad during March 26-27, 2018.

28. Dr. G.S. Parihar participated in National Conference on Organic farming for sustainable agriculture & livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

29. Dr. H.C. Singh participated in International conference on sustainability of small holder agriculture in developing countries under changing climate scenario organized by CSAUA&T, Kanpur during Feb. 14-17, 2018.

30. Dr. H.C. Singh participated in National Conference on Organic farming for sustainable agriculture & livelihood security under changing climate conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

31. Dr. H.G. Prakash participated in 6th International Association of Professionals in Sugar and Integrated Technologies (ISPSIT-2018) held at Udan Thani, Thailand on March 05-09, 2018.

32. Dr. H.G. Prakash participated in a Orientation Workshop on Entrepreneurship Development in Agriculture and Allied Sector held at Directorate of Extension on organized by Directorate of Research, CSAUA&T, Kanpur during March 26, 2018.

33. Dr. J.P. Singh, participated in a National Conference on Organic Farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

34. Dr. J. Rai. participated in a National Conference on Organic Farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

35. Dr. Jagdish Kumar attended a National Conference on Organic Farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

36. Dr. Jitendra Kumar attended XXIV Annual Group Meet of NSP held at Karaikal (Pondicherry) during May 09-11, 2018.

37. Dr. Karam Husain participated in a National Conference on Organic Farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

38. Dr. Khail Khan participated in a National Seminar on Agriculture Research & Education in Relation to Development of Integrated Agriculture: Challenges and solution organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

39. Dr. Kripa Shankar participated in a National Conference on Organic Farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

40. Dr. Lallu participated in 24th Annual Group Meeting held at Rajasthan Agricultural Research Institute, Karan Narendra Agriculture University, Jobner (Durgapura), Jaipur during Aug. 03-05, 2017.

41. Dr. Lallu participated in 3rd National Brassica Conference (NBC, 2017) on Enhancing oilseed brassica production through climate-smpart technologies held at IARI, New Delhi during Feb. 16-18, 2017.

42. Dr. Lallu participated in a National Conference on Organic Farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T, Kanpur during Dec. 12-13, 2017.

43. Dr. Lokendra Singh attended National conference on Organic farming for sustainable agriculture and livelihood security under changing climate conditions organized by CSAUAT, Kanpur during Dec. 12-13, 2017.

44. Dr. M.K. Singh participated in Managing Soil Health for sustainable and nutritional food production organized by CSAUA&T, during Oct. 28-29, 2017.

45. Dr. M.K. Singh participated in National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organised by CSAUA&T, Kanpur during Dec. 12-13, 2017.

46. Dr. Madhu Vajpeyi participated in 24th Annual Group Meeting held at Rajasthan Agricultural Research Institute, Karan Narendra Agriculture University, Jobner (Durgapura), Jaipur during Aug. 03-05, 2017.

47. Dr. Madhu Vajpeyi participated in Orientation Workshop on Entrepreneurship Development in Agriculture and Allied Sector held at Directorate of Extension on March 26, 2018 organized by Directorate of Research, CSAUA&T, Kanpur during 26 March, 2018.

48. Dr. Mohd. Shamim participated in National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organised by CSAUA&T, Kanpur during Dec. 12-13, 2017.

49. Dr. N.K. Sharma participated in International conference on sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T, Kanpur during 14-17 Feb. 2018.

50. Dr. Nand Kumar attended a National Conference on in National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

51. Dr. Nand Kumar participated in National Seminar on transforming agriculture to doubling of farmers income organized by Baba Saheb Bhimrao Abmedkar Central University, Lucknow during Feb. 10-11, 2018.

52. Dr. Neerja Agrawal participated in 105th Indian Science Congress held at Imphal Manipur during March 16-20, 2018.

53. Dr. O.P. Singh participated in National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organised by CSAUA&T, Kanpur during Dec. 12-13, 2017.

54. Dr. R.K. Dwivedi participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

55. Dr. R.K. Pandey participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

56. Dr. R.K. Yadav participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

57. Dr. Rajeev Singh participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

58. Dr. Rakesh Babu participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

59. Dr. Ram Asrey attended the Annual Group Meeting of AICRP on cotton held at CCS Haryana Agriculture University, Hisar during April 09-10, 2018.

60. Dr. Ram Kumar participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

61. Dr. Ram Pyare participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

62. Dr. Ram Singh Umrao participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

63. Dr. Ram Singh Umrao participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

64. Dr. S.K. Srivastava attended Annual Group Meeting of Castor held at Topioca and Castor Research Station, Yethapur, Yercaud Tamilnadu during May 18-20, 2017.

65. Dr. S.K. Srivastava participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

66. Dr. S.K. Srivastava participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

67. Dr. S.M. Tripathi participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

68. Dr. S.N. Singh participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

69. Dr. S.N. Singh participated in Role of Science and Technology with relevance Nation Swachata Abhiyan organised by Directorate of Higher Education Govt. (UP) held at Department of Zoology D.G. (PG) College, Kanpur during March 29-30, 2018.

70. Dr. S.P. Kushwaha participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

71. Dr. S.P. Kushwaha participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

72. Dr. S.S. Yadav participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

73. Dr. Shweta Assistant Professor attended International Conference on Food and Agriculture organized by Dhanbad during 29-31 March, 2018.

74. Dr. Shweta attended Indo-German Frontiers of Engineering symposium organized by Germany during May 24-27, 2018.

75. Dr. Shweta participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

76. Dr. Sushil Solomon, Vice Chancellor attended the World Plantation & Exhibition (WPLACE)-2017 from 18-20 Oct. 2017 in Jakarta (Indonesia). Dr. Solomon addressed the gathering of Indonesian Sugarcane and Sugar Industry Scientists and managers on the theme Achieving the sustainability of Sugar Industry – problems, Challenges and Issues.

77. Dr. Sushil Solomon, Vice Chancellor attended the 42nd VC Conference of IAUA organized by Maharana Pratap Agricultural University, Udaipur (Raj.). He also participated in the debate on the conference theme Development in Agriculture & Technology for his outstanding contribution in the field of Horticulture, on the occasion of the International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2017), held on 02-04 Dec., 2017 at MPUAT, Udaipur (Rajasthan).

78. Dr. Sushil Solomon in 6th International Association of Professionals in Sugar and Integrated Technologies (ISPSIT-2018) held at Udan Thani, Thailand on March 05-09, 2018.

79. Dr. V.K. Verma participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

80. Dr. Vijay Kumar participated in 53rd Annual Rice Research Group Meeting, Indian Institute of Rice Research, Rajendranagar, Hyderabad during April 13-16, 2018.

81. Dr. Vijay Kumar Yadav participated in Annual Review and Planning, Workshop of STRASA (Stress Tolerance Rice for Africa and South Asia) held at National Academy of Agricultural Sciences, NASC Complex, New Delhi on April 30 to May 03, 2018.

82. Dr. Vishram Singh participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

83. Dr. Rakesh Kumar Singh participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

84. Dr. Shridha Saxena participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

85. Dr. Shweta participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

86. Sri Manoj Mishra participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

87. Er S.K. Sachan participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

88. Dr. C.B. Singh attended In-service capacity building training programme on Development of dynamic crop-weather calendar for operational zing weather forecast held at JNKVV, Jabalpur, MP.

89. Dr. Dhananjai Singh attended training programme on Climate change and carbon mitigation ICFRE, Dehradun during 19-23 Feb., 2018.

90. Dr. J. Rai Assistant Professor attended CAFT Training Programme on Impact Assessment of Agricultural Technology organized by Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi during Dec. 14, 2016 to Jan 03, 2017.

91. Dr. Karam Husain, Professor attended training programme on special Training on Agriculture Research with relation to IPR CSAU, Kanpur during Aug. 16-17, 2017.

92. Dr. Khalil Khan Assistant Professor attended training programme on Effective Plant Protection measures for Agricultural and Horticultural Crops organized by Directorate of Extension, CSAUA&T, Kanpur during 22 to 23 Feb., 2017.

93. Dr. Lokendra Singh, Associate Professor attended training programme on Agricultural Research with relation to IPR organized by CSAUA&T, Kanpur during Aug. 16-17, 2017.

94. Dr. M.Z. Sidiqui Associate Professor attended training programme on Special Training on Agriculture Research with relation to IPR CSAUA&T, Kanpur during Aug 16-17, 2017.

95. Dr M.Z. Sidiqui Associate Professor attended training programme on scaling water productivity and resources conservation in upland field crops ensuring more crops per drop. IIPR, Kanpur during 06-26 Sept., 2017.

96. Dr. Naushad Khan, Associate Professor attended training programme on Special Training on Agriculture Research with relation to IPR, CSAU, Kanpur during Aug. 16-17, 2017.

97. Dr. R.K. Yadav Professor attended training programme on Agricultural Research with relation to IPR organized by CSAUA&T, Kanpur during Aug. 16-17, 2017.

98. Dr. R.P. Vyas Assistant Professor attended training programme on Agricultural Research with relation to IPR organized by CSAUA&T, Kanpur during Aug. 16-17, 2017.

99. Dr. S.K. Singh Assistant Professor attended training programme on Agricultural Research with relation to IPR organized CSAUA&T, Kanpur, during Aug. 16-17, 2017.

100. Dr. Shweta Assistant Professor attended training programme on Agricultural Research with relation to IPR organized CSAUA&T, Kanpur, during Aug. 16-17, 2017.

101. Dr. Y.K. Singh Asstt. Professor attended training programme on scaling water productivity and resources conservation in upland field crops ensuring more crops per drop. IIPR, Kanpur during 06-26 Sept., 2017.

102. Dr. M.K. Singh Assistant Professor attended training programme on Advance in quality seed production of vegetable crops organized by Y.S. Parmar Univ. of Hort. & Forestry Nauni Solan, H.P. during 06 to 26 Sept. 2017.

103. Dr. Rakesh Kumar Singh, Asstt. Professor attended training on capacity building programme for university teachers on Essential Teaching Skills for effective teaching organized by GBUUAT, Pant Nagar during 26 Dec. 2016 to 01, Jan., 2017.

College of Home Science

1. Dr. Archana Singh participated in International Conference on Advance Materials, Textiles and Processes (ICAMTP) held at UPTTI Kanpur during Oct. 14-15, 2017.
2. Dr. Mithilesh Verma participated in International Conference on Agriculture, Allied and Applied Sciences held at Biologix Research and Innovation Centre Pvt. Ltd. (BRICPL), New Delhi on April 28-29, 2018.
3. Dr. Mithilesh Verma participated in International conference on sustainability of small holder agriculture in developing countries under changing climatic scenario held at CSAUA&T, Kanpur during Feb. 14-17, 2018.
4. Dr. Mukta Garg participated in 1st North Indian Science Congress NISC-2018 on Science and Technology for sustainable future held at Babasaheb Bhimrao Ambedkar University Lucknow on Jan 10-11, 2018.
5. Dr. Mukta Garg participated in International conference AGRICON-2018 on Gender disparity in Agriculture Productivity: A review in Indian Context held at CSAUA&T, Kanpur during Feb. 14-17, 2018.
6. Dr. Mukta Garg participated in International conference on sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T, Kanpur during Feb. 14-17, 2018.
7. Dr. Mukta Garg participated in National Seminar on issues and challenges related to family dynamics in modern society held at Juhari Devi Girls Post Graduate College on Aug. 10-11, 2017.
8. Dr. Vinita Singh participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.
9. Dr. Ritu Pandey Asstt. Professor attended training programme on experimental approaches in utilization of genetics resources for the improvement of horticultural crops organized by college of horticulture UHS campus, GKUK post Bangluru during July 05-25, 2017.
10. Dr. Rashimi Singh participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.
11. Dr. Rashimi Singh participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.
12. Dr. Ritu Pandey participated in International Conference AGRICON 2018 on Gender disparity in Agriculture Productivity: A review in Indian Context held at CSAUA&T, Kanpur during Feb. 14-17, 2018.
13. Dr. Ritu Pandey participated in International conference on Advance Materials, Textiles and Processes (ICAMTP) held at UPTTI Kanpur on Oct. 14-15, 2017.
14. Dr. Ritu Pandey participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.
15. Dr. Seema Sonkar participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

16. Dr. Seema Sonkar participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

17. Dr. Seema Sonkar participated in World Food India held at Ministry of Food Processing Industry, New Delhi on Nov. 03-04, 2017.

18. Dr. Smita Mishra participated in International Conference on Agriculture, Allied and Applied Sciences held at Biologix Research and Innovation Centre Pvt. Ltd. (BRICPL), New Delhi on April 28-29, 2018.

19. Dr. Vinita Singh participated in International Conference on fight against cancer held at CSJM Univ., Knpur on Oct. 05-07, 2017.

20. Dr. Vinita Singh participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

21. Dr. Vinita Singh participated in National Seminar on issues and challenges related to family dynamics in modern society held at Juhari Devi Girls Post Graduate College on Aug. 10-11, 2017.

College of Horticulture, Kanpur

1. Dr. V.K. Tripathi Professor attended training programme on Agricultural Research with relation to IPR organized by CSAUA&T, Kanpur during Aug. 16-17, 2017.

2. Dr. V.K. Tripathi participated in International Conference on Global research initiatives for sustainable agriculture & allied Sciences (Grisaas-2017) organized by MPUAT, Udaipur, Rajasthan during Dec. 02-04, 2017.

3. Dr. V.K. Tripathi participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

College of Forestry, Kanpur

1. Dr. Munish Kumar in 6th International Association of Professionals in Sugar and Integrated Technologies (ISPSIT-2018) held at Udan Thani, Thailand on March 05-09, 2018.

College of Agril. Engineering, Etawah

1. Er. Devendra Kumar participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.
2. Er. Devendra Kumar participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

3. Er. Hemant Kumar Varshney participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

4. Er. M.A. Husain participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

5. Er. M.A. Husain participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

6. Er. V.K. Verma participated in an International National conference on Sustainability of smallholder agriculture in developing countries under changing climatic scenario held at CSAUA&T Kanpur during Feb. 14-17, 2018.

7. Er. V.K. Verma participated in a National conference on Organic farming for sustainable agriculture and livelihood security under changing climatic conditions organized by CSAUA&T Kanpur during Dec. 12-13, 2017.

2018-19

College of Agriculture, Kanpur

1. Dr A K Srivastav attended International Conference Sugarcon- 2019 on Green technologies for Sustainable Development of Sugar & Integrated Industries held at IISR, Lucknow during 16-19 February 2019.
2. Dr A K Srivastav attended International Conference 2nd Global Meet on Science and Technology for Ensuring Quality Life (GMST 2018) held at Bali Indonesia November 13-17, 2018.
3. Dr A.K. Singh attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Integrated Industries" organized by IISR, Lucknow on 16-19 February, 2019.
4. Dr A.K. Srivastava attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Intergrated Industries" organized by IISR, Lucknow on 16-19 February, 2019.
5. Dr A.K. Srivastava attended X Group Meet of All India Network Research Project on Tobacco held on October 29- 30, 2018 at ICAR-CTRI, Rajahmundry (AP)-533105.
6. Dr Achila Singh attended X Group Meet of All India Network Research Project on Tobacco held on October 29-30, 2018 at ICAR-CTRI, Rajahmundry (AP).
7. Dr Anil Kumar, Assistant Professor attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Intergrated Industries" organized by IISR, Lucknow on 16-19 February, 2019.
8. Dr B.K. Singh attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Intergrated Industries" organized by IISR, Lucknow on 16-19 February, 2019.
9. Dr B.K. Singh participated in 1st Vegetable Science Congress VEGCON-2019 on Emerging Challenges in Vegetable Research and Education during 01 – 03 February, 2019 at Agriculture University, Jodhpur-Rajasthan.
10. Dr Bhanu Pratap Singh attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Integrated Industries" organized by IISR, Lucknow on 16-19 February 2019.
11. Dr C.B. Verma attended 3rd International Conference on Food & Agriculture organized by 3rd Edition Food & Agriculture in Kuala Lumpur, Malaysia during November 26-28, 2018 at Malaysia.
12. Dr C.B. Verma attended International Conference on "Advances in Agriculture & Allied Science Research" by SVWS, Lucknow (UP) at Rama University, Kanpur during 23-24 February, 2019.
13. Dr D. D. Yadav attended International conference on food and Agriculture held at Malaysia University Putra Malaysia, Kuala Lumpur November 26-28, 2018.
14. Dr D. Singh attended a Training on Processing and Preservation of Fruits and vegetables Govt. fruit preservation centre, Etawah on August 06 -20. 2018.
15. Dr D. Singh attended An International Conference on frontiers at the chemistry-Allied sciences interface University of Rajasthan, Jaipur on December 21-22, 2018.
16. Dr D.K. Singh participated in 4th National Brassica Conference on "Innovative Approaches in Oilseed Brassica towards Self Sufficiency" held at C.S.A. Uni. & Tech. Kanpur on February 01-03, 2019

17. Dr D.R. Singh participated in 2nd Global meet on science & Technology for Ensuring Quality Life at Bali (Indonesia) on November 13-17, 2018.
18. Dr Dhananjai Singh attended International Conference on "Advances in Agriculture & Allied Science Research" by SVWS, Lucknow (UP) at Rama University, Kanpur during 23-24 February, 2019
19. Dr H.G. Prakash attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Intergrated Industries" organized by IISR, Lucknow on 16-19 February, 2019.
20. Dr H.G. Prakash participated National Conclave on empowering rural women through Agripreneurship and innovative farm technology (UTTHAN Agripren- 2019) at CSAU, Kanpur on March 6-8, 2019.
21. Dr H.G. Prakash participated in Seminar on Krishi Kumbh 2018 "International Conference on doubling farmers' income" Organized at IISR, Lucknow on 26-28 October 2018.
22. Dr H.G. Prakash attended 7th Global Submit on Medicinal and Aromatic Plants organized by GOFMAP during November 19-21, 2018 at The Empress Hotel, Chiang Mai, Thailand.
23. Dr I.N. Shukla attended International Conference (SUGARCON-2019) on "Green Technology for Sustainable Development of Sugar and Integrated Industries" at IISR, Lucknow organized by Society for Sugar Research and promotion on 16-19 Feb, 2019.
24. Dr Jagdish Kumar attended International conference Sugarcon 2019 on Green technology for sustainable development of sugar and integrated industries at IISR lucknow from February16-19, 2019.
25. Dr K.P. Singh attended International Conference (SUGARCON-2019) on "Green Technology for Sustainable Development of Sugar and Integrated Industries" at IISR, Lucknow organized by society for Sugar Research and promotion on 16-19 February, 2019.
26. Dr Karam Husain attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Integrated Industries" and presented the poster on Evaluation of Sugarcane Varieties for sugarcane + mungbean Intercropping system in Central Plain Zone of Uttar Pradesh organized by IISR, Lucknow on 16-19 February, 2019.
27. Dr Karam Husain participated in "International Conference on Advances in Agriculture & Allied Science Research" Organized by Rama University Kanpur on 23-24 February, 2019.
28. Dr Karam Husain participated in 4th Brassica Conference on "Innovative Approaches on Oilseed Brassica Towards Self Sufficiency" organized by ICAR, DRMR, Bharatpur and Society of Rape seed Mustard research in collaboration of CSAU, Kanpur on 1-3 February, 2019
29. Dr Khalil Khan attended International Conference (SUGARCON-2019) on "Green Technologies for Sustainable development of sugar and integrated industries" organized by I.I.S.R Lucknow at 16 -19 February 2019.
30. Dr Khalil Khan attended International Conference on "Advances in Agriculture and Allied Science Research" at Rama University Kanpur on 23-24 February 2019.
31. Dr Khalil Khan attended Ist Vegetable Science Congress on "Emerging Challenges in Vegetable Research and Education"(VEGCON-2019) at Agriculture University, Jodhpur (Rajasthan) 01-03 February 2019.
32. Dr Lallu participated in 4th National Brassica Conference on "Innovative Approaches in Oilseed Brassica towards Self Sufficiency" held at C.S.A. Uni. & Tech. Kanpur on February 01-03, 2019.
33. Dr M.C. Verma attended international conference sugracon-2019 on Green Technologies for sustainable development of sugar and integrated industrial organized by ICAR-IISR Lucknow (U.P.) during 16.02.2019 to 19.02.2019.

34. Dr M.R. Dabbas participated in 36th Annual group meeting of AICRP on Vegetable crops during 18 – 21 May 2018 at RARI, Durgapura (Jaipur) Rajasthan.

35. Dr Madhu Bajpeye participated in 4th National Brassica Conference on "Innovative Approaches in Oilseed Brassica towards Self Sufficiency" held at C.S.A. Uni. & Tech. Kanpur on February, 01-03, 2019.

36. Dr Mahak Singh participated in 1st National Genetics Congress on "Genetics for Sustainable Food, Health and Nutritional Security" held at ICAR –Indian Agricultural Reasearch Institute, New Delhi on December, 14-16, 2018.

37. Dr Mahak Singh, participated in 4th National Brassica Conference on "Innovative Approaches in Oilseed Brassica towards Self Sufficiency" held at C.S.A. Uni. & Tech. Kanpur on February, 01-03, 2019.

38. Dr. Mahak Singh participated in National Oilseed Seminar-2020 "Technology innovations in oilseed crops for enhanced productivity, profitability and nutritional security" held at ICAR-Indian Institute of Oilseeds Research Rajendranagar, Hyderbad, Telengana State on 7-8 Feb. 2020.

39. Dr Manoj Mishra attended International Conference: Sugarcon 2019 on "Green Technology for Sustainable Development of Sugar and Integrated Industries held on February 16-19, 2019 at IISR, Lucknow, U.P.

40. Dr Manoj Mishra attended the International conference on "Global Research Initiative For sustainable Agriculture and allied Sciences" held at Rajasthan Agriculture Research Institute, Durgapur, Jaipur (Rajasthan) on October 28- 39, 2018.

41. Dr Mohd. Shamim attended International Conference: Sugarcon 2019 on "Green Technology for Sustainable Development of Sugar and Integrated Industries held on February 16-19, 2019 at IISR, Lucknow (U.P.).

42. Dr Mohd. Shamim attended the International conference on "Global Research Initiative For sustainable Agriculture and allied Sciences" held at Rajasthan Agriculture Research Institute, Durgapur, Jaipur (Rajasthan) on October 28- 39, 2018.

43. Dr N.K. Sharma attended National Seminar on Development and Opportunities in Material Science at DBS College Kanpur on February 02, 2019.

44. Dr Nalini Tiwari Attended the Annual Group Meet on Safflower and Linseed held at Birsa Agricultural University, Kanke (Ranchi) on August 11-13, 2018.

45. Dr Nalini Tiwari attended the International conference on "Global Research Initiative For sustainable Agriculture and allied Sciences" held at Rajasthan Agriculture Research Institute, Durgapur, Jaipur (Rajasthan) on October 28- 39, 2018.

46. Dr Naushad Khan attended 4th National conference on "Innovative approaches in oilseed Brassica towards self sufficiency" at CSAUA & T, Kanpur on February 1-3, 2019.

47. Dr Naushad Khan attended International conference on Sugarcon-2019 on "Green Technology for sustainable development of sugarcane & integrated industries" organized at IISR, Lucknow on Feb., 16-19, 2019

48. Dr Naushad Khan attended National conference on "Doubling farmers' income in garlic, onion, potato production and post harvest management under climate change" at KVK, Anta, Kota, Rajasthan 0n 27-28 January 2019.

49. Dr Naushad Khan participated in one day brain storming program for formulating the strategies for enhancing the productivity of cereals and pulse Organizers U.P. Council of Agricultural Research, Lucknow on 10.08.2018.

50. Dr Naushad Khan participated National Conclave on empowering rural women through Agripreneurship and innovative farm technology (UTTHAN Agripren- 2019) at CSAU, Kanpur on March 6-8, 2019.

51. Dr Naushad Khan participated Seminar on Krishi Kumbh 2018 “International Conference on doubling farmers’ income” Organized at IISR, Lucknow on 26-28 Oct 2018.
52. Dr Neerja Agarwal Emeritus Professor attended 2nd Global meet on science & Technology for Ensuring Quality Life at Bali (Indonesia) on November 13-17, 2018.
53. Dr R.C. Nigam attended 4th National Brassica conference Innovative approach in oilseed brassica towards self sufficiency at CSAU, Kanpur on February 1-3, 2019.
54. Dr R.K. Pathak attended International conference on Advances in Agriculture and Allied science Research-2019 SVWS Lucknow, at Rama University Kanpur February 23-24, 2019.
55. Dr R.K. Pandey attended 26th Annual Workshop on Pesticides Residues at ANGRU Hyderabad Andhra Pradesh on June 2018.
56. Dr R.K. Pathak attended National conference on Managing Natural Resources for sustainable agriculture-2018 by GKV Society Agra at RBS College, Agra on December 08-09, 2018.
57. Dr R.S. Baghel participated in International Conference on “Sustainability of Smallholder Agriculture in Developing Countries under Changing Climatic Scenario” held at C.S.A. Univ. & Tech., Kanpur on February 14-17, 2018.
58. Dr Rajiv attended 36th Annual group meeting of AICRP on Vegetable crops during 18 – 21 May 2018 at RARI, Durgapura (Jaipur) Rajasthan.
59. Dr Rajiv Attended International Conference Sugarcon-2019 on Green Technologies for Sustainable Development of Sugar & Integrated Industries during 16 – 19 February, 2019 at ICAR-Indian Institute of Sugarcane Research, Lucknow.
60. Dr Rajiv attended National Brassica Conference 2019 on Innovative approaches in oilseed Brassica towards self sufficiency during 01 – 03 February, 2019 at C. S. Azad University of Agriculture & Technology, Kanpur.
61. Dr Rajiv attended XXI Biennial National Symposium on Doubling Farmers’ Income through Agronomic Interventions under Changing Scenario during 24 – 26 October 2018 at MPUAT, Udaipur (Rajasthan).
62. Dr Ram Kumar Singh attended International Conference (SUGARCON-2019) on “Green Technologies for Sustainable development of sugar and integrated industries” at IISR, Lucknow on16-19 February 2019.
63. Dr Ram Pyare attended 3rd International Conference on Food & Agriculture organized by 3rd Edition Food & Agriculture in Kuala Lumpur, Malaysia during Nov., 26-28, 2018 at Malaysia.
64. Dr Ram Pyare attended International Conference on “Advances in Agriculture & Allied Science Research” by SVWS, Lucknow (UP) at Rama University, Kanpur during 23-24 February, 2019.
65. Dr Ram Pyare participated in 4th National Conference “Innovative Approaches in Oilseed Brassica towards Self Sufficiency” at CSAUA&T, Kanpur during 1-3 January, 2019.
66. Dr Ravindra Kumar attended A refresher training programme on “Pesticide Residue Analysis” during August 28- September 1, 2018 at PC Cell, IARI, New Delhi.
67. Dr Ravindra Kumar attended biennial workshop on management of salt affected soils and use of saline water in agriculture at CSSRI, Karnal on February 5-6, 2019.
68. Dr Ravindra Kumar attended golden jubilee international salinity conference on resilient agriculture in saline environments under changing climate: challenges and opportunities at CSSRI, Karnal on February 07-09, 2019.
69. Dr Ravindra Kumar attended national training on innovations in seed production and seed quality management of nutritional crops at C.S.A.University of agriculture and technology, Kanpur on March 09- 10, 2019.

70. Dr Ravindra Kumar participated in National Conclave on empowering rural women through Agripreneurship and innovative farm technology (UTTHAN Agripren- 2019) at CSAU, Kanpur on March 6-8, 2019.

71. Dr S.K. Srivastava attended International Conference (SUGARCON-2019) on "Green Technologies for Sustainable development of sugar and integrated industries" organized by IISR, Lucknow on 16-19 February 2019.

72. Dr S. N. Pandey attended biennial workshop on management of salt affected soils and use of saline water in agriculture at CSSRI, Karnal on February 5-6, 2019.

73. Dr S. N. Pandey attended golden jubilee international salinity conference on resilient agriculture in saline environments under changing climate: challenges and opportunities at CSSRI, Karnal on February 07-09, 2019.

74. Dr S. N. Pandey attended physico-biochemical and genomic tools of manage drought and post harvest sucrose losses organized by Indian Institute of Sugarcane Research, Lucknow from November 20-December 10, 2018.

75. Dr S.B. Pandey attended 4th National Brassica conference Innovative approach in oilseed brassica towards self sufficiency at CSAU, Kanpur on February 1-3, 2019.

76. Dr S.B. Pandey attended International conference on advances in agriculture and allied science research at Rama Univ. Kanpur and Samagra Vikas Welfare Society on February 23-24, 2019.

77. Dr S.D. Dubey attended Recent Advances in development of Bioformulation at College of Horticulture, Mysuru sponsored by ICAR September 3-12, 2018.

78. Dr Sanjeev Kumar attended National conference on "Innovative approaches in oil seed Brassica towards self sufficiency" organized by Society for rapeseed mustard research Bharatpur held at CSAUA&T, Kanpur on February 01-03, 2019.

79. Dr Sanjive Kr. Singh attended 2 nd Global Meet on Science and Technology for Ensuring Quality Life (GMST 2018) held at Aston Kuta Hotel & Residence, Bali (Indonesia) on November 13-17, 2018.

80. Dr Sanjive Kr. Singh attended 1st International Symposium on "Edible Alliums: Challenges and Opportunities" organized by Indian Society of Alliums & ICAR- Directorate of Onion and Garlic Research held at YASHADA, Pune (MS) during February 9-12, 2019.

81. Dr Shweta attended 4th National Brassica Conference on 'Innovative Approaches in Oilseed Brassica towards Self Sufficiency' International conference on 'Global Research Initiatives for Sustainable Agriculture & Allied Sciences' at C.S.A. Univ. Agri. & Tech., Kanpur during 01-03 February, 2019.

82. Dr Shweta attended International conference on 'Global Research Initiatives for Sustainable Agriculture & Allied Sciences' at Rajasthan Agricultural Research Institute (SKNAU, Jobner) Durgapura (Jaipur) India on 28-30 October 2018.

83. Dr U.S. Tiwari attended training Workshop Series on "Quantitative Farming System typologies applications with the R statistical computing software" organized by IIFSR, Modipuram, Meerut on 17-21 Sep, 2018.

84. Dr U.S. Tiwari attended International Conference: Sugarcane 2019 "Green Technology for Sustainable development of Sugarcane & Intergrated Industries" and presented the poster on Evaluation of Sugarcane Varieties for sugarcane + mungbean Intercropping system in Central Plain Zone of Uttar Pradesh organised by National Sugar Research Institute, Lucknow on 16-19 February, 2019.

85. Dr V.K. Verma attended 3rd Food and Agriculture international conference held at Kuala Lumpu, Malaysia November 26 to 28, 2018.

86. Dr V.K. Verma attended International Conference on "Advances in Agriculture & Allied Science Research" by SVWS, Lucknow (UP) at Rama University, Kanpur during 23-24 February, 2019.

87. Dr Visram Singh attended International Conference on Advances in Agriculture of Allied Science Research held at Rama University Kanpur (U.P.) during February 23-24, 2019.

88. Shri Rajveer Singh participated in 4th National Brassica Conference on "Innovative Approaches in Oilseed Brassica towards Self Sufficiency" held at C.S.A. Uni. & Tech. Kanpur on February 01-03, 2019.

89. Mahak Singh, Professor, P.I. AICRP (R&M) organized two days training for extension personals "New technologies and developments in rapeseed-mustard cultivation" from 01-02 Feb., 2019 association with ICAR-Directorate of Rapeseed-mustard Research, Sewer, Bharatpur (Rajasthan) at Directorate of Extension, C.S. Azad Univ. of Ag. & Tech., Kanpur.

College of Horticulture, Kanpur

1. Dr A. K. Dubey attended International Conference on Rural Livelihood Improvement for Enhancing Farmer's Income through Sustainable Innovative Agri. and Allied Enterprises, organized by The Society for Upliftment of Rural Ecology, Varanasi held at Patna, Bihar on 30th October-01 November, 2018.

2. Dr D.P. Singh attended 36th Annual group meeting of AICRP on Vegetable crops during 18–21 May 2018 at RARI, Durgapura (Jaipur) Rajasthan.

3. Dr D.P. Singh attended International Conference Sugarcon-2019 on Green Technologies for Sustainable Development of Sugar & Integrated Industries during 16 – 19 February, 2019 organized by ICAR-Indian Institute of Sugarcane Research, Lucknow.

4. Dr D.P. Singh participated in National Brassica Conference 2019 on Innovative approaches in oilseed Brassica towards self sufficiency during 01 – 03 February, 2019 at C. S. Azad University of Agriculture & Technology, Kanpur.

5. Dr P.K. Singh participated in 4th National Brassica Conference on "Innovative Approaches in Oilseed Brassica towards Self sufficiency" at C.S. Azad Univ. of Agri. & Tech., Kanpur, India during February 1-3, 2019.

6. Dr P.K. Singh participated in XIV Agricultural Science Congress on Innovations for Agricultural Transformation held from February 20-23, 2019 at NASC Complex, New Delhi.

7. Dr V.K. Tripathi attended International Conference on "Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2018)" organized by Astha foundation at Rajasthan Agricultural Research Institute, Durgapura (Jaipur) Rajasthan during October 28-30, 2018 .

8. Dr V. K. Tripathi attended International Conference on "Sustainable Organic Agri-Horti Systems" organized by Doctor's Krishi Evam Bagwani Vikas Sansthan, Lucknow at Chatripati Shahu Ji Maharaj Shodh Sansthan, Lucknow, Uttar Pradesh. November 28-30, 2018.

College of Agricultural Engineering, Etawah

1. Er. Devendra Kumar attended An International Symposium & 53rd Annual Convention of ISAE at BHU Varanasi on January 28-30, 2019.

2. Er. Devendra Kumar attended a Training on Processing and Preservation of Fruits and vegetables Govt. fruit preservation centre Etawah on August 06 -20. 2018.

2019-20

College of Agriculture, Kanpur

1. Dr Ved Ratan Tiwari attended 8th IAUA workshop on Agriculture University Governence system driving forces of change and challenges during May 9-10, 2019 at G.B.P.U.A.T. Pant Nagar.
2. Dr Sanjive Kr. Singh attended Annual review meetings of spices scheme held at Orissa University of Agriculture & Tech. Bhubaneshwar (Orissa) on 11- 12 June, 2019.
3. Dr S. K. Srivastava attended National Seminar On "Priorities and strategies to boost farmer's income at IISR, Lucknow on June14, 2019.
4. Dr Mahak Singh participated in Seminar on "Priorities and Strategies to Boost farmer's income" organized by U.P. Council of Agricultural Research, Lucknow. & U.P. Academy of Agricultural Sciences, Lucknow on June 14, 2019.
5. Dr Khalil Khan attended National Seminar on "Priorities and strategies to boost farmer's income at IISR, Lucknow on June14, 2019.
6. Dr Khalil Khan attended 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco-friendly environment (GIASE-2019) at Tribhuvan University, Kathmandu, Nepal on 16-18, June 2019.
7. Dr Jitendra Kumar attend XXV AGM of NSP held on 7-9 April, 2019 at Hisar (Haryana).
8. Dr K.P. Singh attended All India Coordinated Research Project (vegetable crops) TNAU Coimbatore 22-25 June, 2019.
9. Dr J.P. Yadav participated in International Conference on Advancement of Mechanical Engineering: Challenges towards sustainable development at Jyothi Engineering College, Thrissure (Kerala) on April 10-11, 2019.
10. Dr Bhanu Pratap Singh attended National Seminar on "Priorities and strategies to boost farmers' income" at IISR, Lucknow on June 14, 2019.
11. Dr C.B. Singh Gangwar attended XXV AGM of NSP held on 7-9 April 2019 at Hisar (Haryana).
12. Dr Akhilesh Mishra attended the Annual Group Meet of AICRP (Pigeon pea)-2019 held at Agricultural University, Kota (Rajashtan) during May 25-27, 2019.
13. Dr Anil Kumar Assistant Professor attended National Seminar On "Priorities and strategies to boost farmer's incomeat IISR, Lucknow on June14, 2019
14. Dr A.K. Srivastava attended the Annual Group Meet of AICRP (Pigeon pea)-2019 held at Agricultural University, Kota (Rajashtan) during May 25-27, 2019.
15. Dr. Shweta participated in conference on "Women in Sciences and Engineering" at IIT, Kanpur during Oct. 19-20, 2019.
16. Dr. Shweta participated in 1st International Conference on Environment and Society (ICES-2019) "Socio Economic Challenges of Agriculture, Biodiversity and Environment' at HBTU, Kanpur during Dec. 22-23, 2019.
17. Dr. Mahak Singh, Dr. R.K. Yadav, Dr. Lokendra Singh, Dr. R.P. Vyas, Dr. Sanjay Kumar Singh and Shweta participated in National WEBCON-2020 'Agricultural Production & Support System Managing Covid-19 pandemic: Experience sharing & strategies" at C.S. Azad Univ. of Ag. & Tech., Kanpur during May 06-08, 2020.
18. Dr. Mahak Singh, Dr. R.K. Yadav, Dr. Lokendra Singh, Dr. R.P. Vyas, Dr. Sanjay Kumar Singh and Shweta participated in National Webinar on Genome Editing & Market Assisted Selection for Precision Plant Breeding at C.S. Azad Univ. of Ag. & Tech., Kanpur on May 30, 2020.
19. Dr. Mahak Singh, Dr. R.K. Yadav, Dr. Lokendra Singh, Dr. R.P. Vyas, Dr. Sanjay Kumar Singh and Shweta participated in National Webinar on 'Climate Change & Agro-forestry-Impacts, Implications & Strategies' at C.S. Azad Univ. of Ag. & Tech., Kanpur on June 05, 2020.

20. Dr. Mahak Singh, Dr. R.K. Yadav, Dr. Lokendra Singh, Dr. R.P. Vyas, Dr. Sanjay Kumar Singh and Shweta participated in Nationa Webinar on 'Technological & Policy Interventions in Enhancing Pulse Production in India' at C.S. Azad Univ. of Ag. & Tech., Kanpur on June 06, 2020.

21. Dr. C.B. Verma, Dr. S.P. Kushwaha, Dr. M.A. Khan, Dr. D.K. Tripathi, Dr. Anil Kumar Singh and Dr. O.P. Singh attended sensitization workshop on NAHEP-component 2A and implementation of academic management system organized by ICAR & IASRI, New Delhi at C.S.A. Uni. of Ag. & Tech., Kanpur during Nov. 28-29, 2019.

22. Dr. C.B. Verma, Dr. S.P. Kushwaha, Dr. M.A. Khan, Dr. D.K. Tripathi, Dr. Anil Kumar Singh and Dr. O.P. Singh attended North Zonal Seminar on Crop Productivity & Stress Management organized by C.S.A. Univ. of Agri. & Tech., Kanpur & Society for Plant Physiology, New Delhi on Feb. 22, 2020.

23. Dr. Karam Husain, Dr. A.K. Mishra, Dr. C.B. Verma, Dr. S.P. Kushwaha, Arun Srivastava attended National WEBCON-2020 on Agricultural Production & Support System Managing Covid-19 Pandemic Experience Sharing & Strategies at C.S.A. Univ. of Agri. & Tech., Kanpur during May 06-08, 2020.

24. Dr. Mahak Singh, Dr. D.K. Singh and Dr. Rajeev Singh participated in 26th Annual Group Meeting of Rapeseed – Mustard held at Birsa Agricultural University, Kanke, Ranchi (Jharkhand) on Aug. 03-05, 2019.

25. Dr. Mahak Singh, Dr. R.K. Yadav, Dr. Lokendra Singh, Dr. R.P. Vyas, Dr. Sanjay Kumar Singh and Dr. Shweta attended two days workshop on "Sensitization workshop on NAHEP component-2A activities and implementation of academic management system" under National Agricultural Higher Education Project at Centre for Plant Breeding and Genetics, TNAU, Coimbatore during Nov. 28-29, 2019.