



CSA University At a Glance

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 prosecution of research, particularly in agriculture and other allied sciences; and
- Undertaking field and extension programmes in its service area

संकल्प

- कृषि की विभिन्न शाखाओं, ग्रामीण उद्योग, व्यापार एवं अन्य संबद्ध विषयों सहित उत्तर प्रदेश के ग्रामीण लोगों की शिक्षा के लिए प्रावधान करना,
- कृषि के क्षेत्र में अनुसंधान की सीमाओं और संबद्ध विज्ञान को आगे बढ़ाने और
- अपने सेवा क्षेत्र में विस्तार कार्यक्रमों के उपक्रम करना।

NAEB of ICAR has granted accreditation to this University along with college of Agriculture, Kanpur in 2016 for a period of five years

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.

उद्देश्य

खाद्य पोषण सुरक्षा और ग्रामीण समृद्धि सुनिश्चित करने के लिए कृषि में प्रतिस्पर्धापरक सुधार, योग्य मानव संसाधन क्षमता विकसित करने, उत्पादकता में वृद्धि, लाभप्रदता बढ़ाने और संसाधनों के कुशल उपयोग, तकनीक हस्तान्तरण और कृषि के क्षेत्र में नवाचार विकसित कर उत्पादन प्रणाली की स्थिरता को बनाये रखना।



History and Development of the University

Chandra Shekhar Azad University of Agriculture & Technology, Kanpur is a premier agriculture institution of the nation serving since 1893. It has glorious past and maintained meritorious records of research, teaching and extension education since its inception.

The University has huge catchment area, spread over in 22 districts of Uttar Pradesh, which covers two agro-climatic zones (South Western Semi-Arid and Central Plain). In the year 1906, this agric ultural school was elevated to the status of college, which on completion of a two years course, awarded what was then called the *Diploma of Licentiate in Agriculture* (L. Ag). The introduction of M.Sc. studies in 1944 in almost all the important branches of agricultural science was a very important step forward which with the advent of higher research degree in 1948 gave the institution the much-needed stability of status, providing a firm foundation upon which future accomplishments could be built securely. In 1975 this prestigious institution acquired the status of a university.



The important landmarks associated with the University:

Revenue Officers Training School	1905
Establishment of College of Agriculture, Kanpur	1906
Government Agriculture College, Kanpur was upgraded as U.P. Institute of Agricultural Sciences	1969
SAU named as Chandra Shekhar Azad University of Agriculture & Technology, Kanpur	1975
Dr. B.R.A. College of Agricultural Engineering & Technology, Etawah	1994
Maharani Abantibai College of Home Science, Kanpur	1996
College of Forestry, Kanpur	2006
College of Horticulture, Kanpur	2006
College of Dairy Technology, Etawah	2014
College of Fisheries Sciences, Etawah	2014
College of Agriculture, Lakhimpur-Kheri	2014

EDUCATION

University offers various degree programmes through its 08 constituent colleges viz, College of Agriculture, College of Forestry, College of Horticulture and College of Home Science

iseries Sciences &

Research Centre & College of Dairy Technology at Etawah. A second College of Agriculture is also established at Lakhimpur Kheri. Admission in various degree programmes are being made through competitive entrance examination (CATET) held every year. The University has adopted the ICAR guidelines for the award of degrees. These colleges are equipped with Smart Class rooms. The University offers ICAR V Dean's committee/National core group recommended curricula in various degree programmes.

Faculty of Agriculture

Faculty of Agriculture is comprises of two agriculture colleges, one at Kanpur campus, another at Lakhimpur Kheri campus.

College of Agriculture, Kanpur

The College of Agriculture imparts education both at the under graduate and post graduate levels. There are 14 departments viz., Agronomy, Agricultural Economics & Statistics, Agricultural Bio-Chemistry, Agricultural Extension, Animal Husbandry & Dairying , Crop Physiology, Entomology, Horticulture, Genetics & Plant Breeding, Plant Pathology, Seed Science & Technology, Soil Science & Agricultural Chemistry, Soil Conservation & Water Management and Agri-business Management in which courses are offered.



College of Agriculture, Lakhimpur-Kheri

A second campus of College of Agriculture was established at Lakhimpur-kheri during 2014-15 for the award of B.Sc (Hons.) Agriculture.



Faculty of Home Science

Maharani Avanti Bai College of Home Science, Kanpur

College of Home Science (now Community Science) was established in 1996 by upgrading the Department of Home Science. Presently, teaching is imparted at undergraduate and postgraduate courses in five department's viz. Food Science & Nutrition, Family Resource Management, Extension & Communication Management, Textile & Clothing and Human Development.



Faculty of Agricultural Engineering & Technology

B. S. Dr. B. R. Ambedkar College of Agricultural Engineering & Technology, Etawah

Baba Saheb Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah offers courses viz. B.Tech.

(Agril. Engg.), B.Tech. (Computer Science Engg.), B.Tech. (Electronics & Communication Engg.), B.Tech. (Mechanical Engg.) and M.Tech. in Agricultural Engg. given as under:



Faculty of Forestry

College of Forestry, Kanpur

College of Forestry acquired the status of a full-fledged College on 2nd January, 2006, currently offers B.Sc.(Hons.) Forestry degree.



Faculty of Horticulture

College of Horticulture, Kanpur

College of Horticulture has roots from the Department of Horticulture established under the College of Agriculture. The Department was elevated to the status of a full-fledged College on 2nd January, 2006.



Faculty of Fisheries Sciences

College of Fisheries Sciences & Research Centre, Etawah

The College was formally accorded approval in 2014.



Faculty of Dairy Technology

College of Dairy Technology, Etawah

College of Dairy Technology was accorded approval in 2014, has intake capacity of 44 students.



Student Placement

The concerted efforts are being made to provide job opportunities to the students in public and private sector organizations/ companies/industries etc. The Directorate of placement has also initiated capacity building of students in Foreign Language and personality development.

Centre For Incubation & Innovation

To develop entrepreneurial activities among the students, Centre for incubation & Innovation has been established in the University



Boarding and Lodging facilities for students

The students admitted in undergraduate, Post-graduate and Ph.D. Ph.D. degree programme are accommodated in 12 boys and 4 girls hostels, and one International hostel for foreign students in Kanpur campus and 3 boys and 4 girls hostels in Dr. B.R. Ambedker college of Agriculture Engineering & Technology, Etawah campus.



Medical facilities

The University is having a Primary Health Center each at Kanpur and Etawah campuses, and 24 hours service is available to the students and staff.

Students Sports and Cultural Activities

Sports Activities: Sufficient space and facilities 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, carrom, swimming and gymnasium are also available at Kanpur. 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 Regulations prescribed.



Cultural Activities: In order to boost up the talent of the students, cultural programmes, debate, essay, painting competitions etc. are being organized regularly.

Central Library

The Central Library of the University was established in the year 1907 in College of Agriculture Library which was, named in 1967 as Agricultural Sciences Library. It has a good collection of valuable and rare literature of books, reference books, periodicals, thesis, subjective and competitive magazines, reports, bulletins, encyclopedias, maps, gazetteers, dictionaries, agricultural statistical records etc. More than 2200 thesis have been digitalized.



RESEARCH

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. Basic and applied researches have been

conducted with the financial assistance of ICAR and Govt. of Uttar Pradesh. 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 295 high yielding varieties** in cereals, oilseeds, pulses, vegetables and important others crops. University has 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, Daleepnagar-Kanpur, Saini,) and 14 farms (research and seed multiplication).

The mandate of various Research Sections/ Regional Research Stations/Sub-Stations/crop units established by the CSA University

Name of Research Section/Station	Mandate
Research Sections:	
Rabi Cereals	Wheat & barley crop improvement and development of their agro-techniques
Oil Seeds	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.
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 oilseeds crops and cropping system.
Crop Units	
Paddy	Paddy improvement and their matching agro-techniques development.
Sorghum/Maize	Sorghum/Maize improvement and their matching agro-techniques development.
Cotton	Cotton improvement and their matching agro-techniques development.
Tobacco	Tobacco improvement and their matching agro-techniques development.

EXTENSION

The Directorate of Extension is a nodal office to coordinate extension programmes of KVKs and responsible for administration, planning, budgeting, coordination, evaluation, monitoring and publication of extension outputs. The major extension programmes are focused on providing training to farming community, rural youth and extension functionaries, conducting front line demonstrations and location specific research on agriculture, horticulture and post harvest management technologies. Besides, framers are also advocated on importance of organic farming, medicinal and aromatic plants, bio-control, mushroom production technology etc. which are the emerging areas to promote farming as entrepreneurship in changing climatic scenario.

Agricultural Technology Information Centre (ATIC)

The University has established Agricultural Technology Information Centre (ATIC) at the main campus, Kanpur. Majority of the farmers visit ATIC to purchase the improved seed of different crops. The problems raised by the farmers are solved by the scientists at ATIC. The “ Krishak Helpline” has been established at ATIC to provide advisory services to the farmers.

Krishi Vigyan Kendra (KVK)

KVKs known as Farm Science Centre, recently being redesignated as National Resource Centre, were established by 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 district level officers of line department, NGOs and several projects sponsored by State/Central Govt. like NICRA, DASP, NHM, IWMP, Nutrifarm etc. At present 13 KVKs are functioning in the university in the district of Aligarh, Hathras, Kasganj, Firozabad, Mainpuri (Semi Arid Western Zone), Etawah, Farrukhabad, Kannauj, Kanpur Dehat, Fatehpur, Raebareli, Hardoi, Lakhimpur Kheri (Central Plain Zone) of Uttar Pradesh.

SEED PRODUCTION

University shoulders the responsibility of generating basic seed material and its multiplication in the form of Breeder, Foundation and Certified seeds for National Seed Production Chain, ultimately for the use of farmers. It envisaged major components namely, seed technology research, breeder seed production & foundation seed production. University has also purchased a mobile seed processing plant to cater location specific needs for timely processing of seeds. Quality Seed is a critical and basic input for enhancing agricultural production and productivity in different crops grown under varied agro-climatic regions. Greater emphasis is being laid on production of nucleus, breeder, foundation and certified seeds and maintaining adequate safeguards for quality assurance in the seed multiplication chain.

Directorate of Seed & Farms was established before 1975 but emphasis on seed production was given after the inception of a massive programme of National Seed Programme (NSP). Seed processing plant was established in 1978 in the University and another fully automatic seed processing plant (Beej Bhawan) under participatory seed production programme (RKVY) in 2010-11. University possesses 18 Seed Production farms across the area Jurisdiction of the university besides, quality researches in cereals, pulses, oilseeds and vegetable crops. About 7500-10000 quintal seed is produced every year.

Seed Production Scenario in CSA

Years	Quantity of seed Produced at Univ. Farms (in qtl)			
	Cereals	Oilseeds	Pulses	Vegetables
2019-20	3440	652	253	85
2020-21	4235	620	202	100

Laboratories

The university has excellent facility of computer centre, Central Instrumentation laboratory, Bio-control laboratory, Pesticide residue laboratory, Nematode laboratory, Seed testing laboratory, Spawn production laboratory, tissues culture laboratory, Food & nutrition laboratory etc.

Agricultural Knowledge Management Unit (AKMU)

In the light of the changes that are taking place in the sphere of information technology (IT), University has established a well functioned AKMU and a centralized computer laboratory which takes care for networking of departments, research sections, extension and other units of the University. All the departments are linked and facilities for networking are provided to the students and faculties to cater their needs.

University Auditorium

University has a fully air conditioned auditorium (Kailash Bhawan) with sitting capacity of 1000 students and faculty members and facilitate in organizing in various programmes.

Guest Houses

University possess fully air conditioned VIP and Officers guest house. Besides this, Sir Mayadas, Swaminathan and Teachers guest houses are also available in the University premises. Dr Babu Singh and Farmers' guest house are also available for stay of farmers.

University Press

University possesses a well equipped printing press which takes care of all type of publications and printing related matters.

University serving the nation by ...

Landmark Varieties

Internationally fame

Wheat	Deva (K-9107)	Adopted by Bangladesh for large scale cultivation
	Ujiyar (K-9006)	Adopted by Nepal, released as Achutya
Lentil	Malika (K-75)	High export quality & high seed demand

Nationally fame

Chickpea (KGD-1168)	Wilt resistant, very popular in West Bangal, Assam, Orissa, Bihar
Field pea (Rachna)	Powdery mildew resistant, popular throughout country
Table pea (Azad P-3)	High yielding, popular throughout country
Urdbean (T-9)	Black seeded, widely adopted throughout country
(Shekhar -2)	Green seeded, widely adopted throughout country
(Azad-3)	Black seeded, widely adopted throughout country
Moong bean (KM-2241)	Multiple diseases resistance, synchronous maturity, widely adopted throughout country
(Azad Moong-1)	YMV resistant, high yielding
Mustard (Varuna)	High yielding, popular throughout country
(Pitambari)	High yielding, high oil content
Wheat(Deva)	High protein, high yield
(Halna)	Thermo tolerant, suited for late sown condition
(K-1317)	For restricted irrigation
Maize (Sharadmani)	Suited for Rabi season

Most Popular among farming community

Wheat	Deva, Ujiyar, Halna, Unnat Halna, Mandakini, Mahi, Mamta, Shatabadi, K 1006, K 1317
Barley	K-557, Prakhar
Sorghum	Bundela
Maize	Azad Uttam, Sharad Mani, Azad Kamal, Chandramani
Chickpea	Avarodhi, Udai, KGD 1168, KWR 108, Radhey
Field pea	Rachna, Sapna, Swati, KPMR 400 (Indra), KPMR 522 (Jai)
Lentil	Malika, Azad Masoor 1, Shekhar 2, Shekhar 3
Pigeonpea	Amar, Azad
Urdbean	Shekhar 1, Shekhar 2, Shekhar 3, Azad 1, Azad 2, Azad 4
Mungbean	K 851, Sweta, Azad Moong 1
Mustard	Varuna, Rohani, Maya, Kanti, Urvashi, Ashirvad, Pitambari
Groundnut	TG 371A, Amber, Prakash,Kaushal, Avatar
Sesame	Shekhar, Pragati
Linseed	Laxmi, Padmini, Shekhar, Parvati, Surya, Anu, Aparna
Toria	Bhawani, Tapeswari
Tomato	Azad T 8
Vegetable Pea	Azad P3
Cucumber	Kalyanpur green

Land Mark /Cutting Edge Technologies

- Watershed technology for ravines and hillocks areas leading to National Productivity Council Award-5 times
- Technology for summer groundnut for first time, covering ~ more than 3 lakh ha in U.P. State today.
- Border method of crop cultivation in paddy and wheat —saving 25% of inputs.
- Mitigation of drought effect in pearl millet —thiourea technology developed and popularized.
- Effective weed management technology against *Kans* and *Motha* developed.

Extension (Outreach Activities)

1. **Farmers Fair / Exhibition:** All India Farmers Fair and Agro-industrial Exhibitions are organized every year at Kanpur campus of University.
2. **Socio-economic development:** University has adopted mal-nutrition affected village Anuppur district Kanpur Dehat to convert it to **First bio-fortified village** by interventions of different programme viz; seed production of bio-fortified varieties; nutri-kitchen gardening; mushroom cultivation, dairy, other employment generated programmes. Efforts are being made for socio economic upliftment of farmers. For the purpose, university KVKs have organized special programme viz; TSP, SCSP and GKRY to enhance the income of the farmers through training, demonstrations of technologies and entrepreneur development.
3. **Awareness campaign on Crop residue Management:** KVKs organizes skill trainings and awareness campaign in school & colleges on crop residue management.
4. **Activities related to food & Nutritional Security:** Efforts are being made to enhance productivity of nutri-rich crops. For the purpose, improved technologies of cereals, oilseed, pulses and vegetable crops demonstrated on farmer's fields.
5. **Socio-economic development for farm women:** Efforts have been to initiate special programme for socio-economic development of Farm women viz; tailoring, embroidery, candle making, poultry farming, animal rearing, value addition, etc.



6. **Doubling the farmer's income:** KVKs have adopted 24 villages especially for doubling farmer' income. For the purpose, technologies/innovations are being demonstrated at farmers field for doubling the farmer's income. Attempts have been made to enhanced extension activities on dairying, poultry, fisheries, mushroom cultivation and other income generating enterprises.

7. **FPO:** KVKs have taken initiative to help the farmers in formation of Farmer Producer Organization. Presently, 7 FPOs are working under supervision and technical support of the KVKs. Seed production programme are being organized with FPOs/SHGs.

Awards & Recognition:

- National Productivity Council Awards in 1987-88
- National Productivity Council Awards in 1988-89
- National Productivity Council Awards in 1990-91
- National Productivity Council Awards in 2000-01
- National Productivity Council Awards in 2001-02
- University awarded the Certificate of Excellence for outstanding contribution by Soil Science Centre of AICRP on Soil Salinity in 48th Annual Rice Group Meeting held at Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir Main campus, Shalimar, Srinagar-191121, J&K (14-16 April, 2013).
- The University bagged Indian Agricultural Statistics Research Institute–ICAR “NISAGENT” (National Information System on Agricultural Education Network in India) Best Institution award for loading Institutional data on 11th November, 2014.
- National Academy of Agricultural Sciences an ICAR, New Delhi honoured the 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.
- Indian Society of Genetics & Plant Breeding Honoured The University for development of land mark varieties viz., Barley (Jyoti), Mustard (Varuna), Chickpea (Radhey), Moongbean (T 44) and Urdbeam (T 9) on the occasion of The Platinum Jubilee Celebrations held on February 11, 2017 at NAAS Complex ICAR, New Delhi.





Jyoti



Dewa



K68



Ujiiyar



K 1317



Shatabdi



K 1006



Prakhar



K 1317



Lentil (Malka)



T-44 (Moong)



T-9 (Urd)



Gram (Radhey)



Moong (Swati)



Moong (KM2328)



Lentil Shekhar -4



Lentil Shekhar -5



Lentil Shekhar -6



Lentil Krati



Lentil Krish



Linseed (Indu)



Linseed (Uma)



Linseed (Aparna)



Mustard Varuna



Torina (Tapeshwari)



Torina (Azad Chetna)



Mustard (Azad Mahak)



Groundnut (Avatar)



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