

वार्षिक प्रतिवेदन Annual Report 2022-23



वार्षिक प्रतिवेदन
Annual Report
2022-23



Acharya Narendra Deva University of Agriculture & Technology,
Kumarganj, Ayodhya – 224229 (U.P.) - India
Website- www.nduat.org

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डा. बिजेन्द्र सिंह
कुलपति
Dr. Bijendra Singh
Vice Chancellor



आचार्य नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय
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Foreword

I am happy to present the Annual Report 2022-23 of Acharya Narendra Deva University of Agriculture and Technology as its Vice Chancellor and take pride in mentoring this organization that has contributed so much to the agricultural development in the state of Uttar Pradesh. Be it at education, research or extension activities, the organization has been vibrant and vigilant and continuing to perform societal as well as farmer-centric endeavours for enabling agriculture scenario of the state to not only be economically and socially sustainable, but also climate-resilient.



During the reporting year, at the educational front, 804 students were admitted in the University, reflecting an increase of 14.84% as compare to 2021-2022. During the convocation, 545 students were awarded degrees in various course/programmes. The faculty and scientific strength of the University was substantially increased; wherein 76 Subject Matter Specialists and 37 Assistant Professors were recruited and 24 teachers were promoted through career advancement. New courses in various PG and PhD disciplines were started. A total of 80 students have qualified the prestigious ASRB NET/SRF/JRF examination and 100% placement of the students, either in job or in higher education, has been achieved. Several student-oriented extra-curricular activities such as yoga, sports meet, cultural competitions, plantation programme, etc. were conducted under the aegis of different colleges as well as NSS. Half coy of NCC has also been started for the students. We also organized diverse activities and programmes to fulfil the objectives of the 'Swachh Bharat Mission' and is committed to be a proud partner of this national mission.

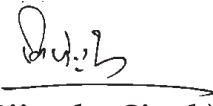
In our efforts to increase farmers income of the state, 35 location-based technologies were developed. Many new varieties of agricultural crops including two varieties of kalanamak rice (Pusa Narendra Kala Namak-1 and Pusa Narendra CRD Kala Namak-2), one variety of wheat (NW-7008), two varieties of Aonla (Narendra Aonla 25 and Narendra Aonla 26) and three varieties of Bael (Narendra Bael -8, Narendra Bael-10 and Narendra Bael -11) were released. The University has produced 7545.84 quintals of Kharif seeds and 2962.80 quintals of Rabi seeds during this year. For the outstanding performance, the University bagged Best Centre Award for ICAR- All India Coordinated Research Project on Arid Zone Fruit, its various KVKs got awards and appreciation from ICAR worth to mention the Pandit Deen Dayal Updhaya Rashitriya Krishi Vigyan Protsahan Puraskar Award -2021 given to Krishi Vigyan Kendra, Basti. With a strong focus on reaching out to the farmers, our KVKs organized 1693 extension activities during the reporting year, 4608 technical services provided and 9868 front line demonstrations were conducted through ATIC.

The Directorate of training and placement organized “Soft Skill development programme for Entrepreneurship among Agri Graduates”. To further strengthen and mainstream agricultural research, we made many infrastructural reforms such as establishment of advanced tissue cultural lab, 100 bed hostel for women at main Campus, new smart classrooms, purchase of drones, etc. I am happy to record here that the University got 35th rank in National Institutional ranking framework -2022 in Agriculture and allied sector. We have also fortified our scientific linkages with other scientific organizations such as CSIR, ICAR, etc. through brainstorming, discussion and by signing MoUs.

While the challenges are many, the opportunities do exist for way forward. It is time that we become more responsive, proactive and innovative. With new and focused vision, I am sure, the year to come would boost agricultural growth, explore new horizons and stride fast in agricultural education, research and extension in the state. Partnerships for integration, convergence and synergy are what the 'Team ANDUAT' must continue to stand for, in our endeavour to make agriculture a preferred destination and proud profession of our youth, as we envision doubling of farmers' income in the forthcoming years.

I hope the diverse stakeholders will find the contents of this Annual Report useful and provide us their constructive views to enable us to bring improvements in our various programmes. At this juncture, I extend my gratitude to the Hon'ble Governor of Uttar Pradesh Smt. Anandiben Patel Ji, visionary Chief Minister Sri Yogi Adityanand Yogi Ji, Minister of Agriculture, Government of Uttar Pradesh Shri. Surya Pratap Shahi Ji and respected Additional Chief Secretary, Agriculture, Agriculture Education and Research Shri Devesh Chaturvedi Ji, for their valuable guidance, constant monitoring and advise, only due to which the University is able to upscale its potential day by day in the field of agriculture education, research and extension.

I would also like to appreciate the editorial team for devoting their time and energies in compilation, organization and the inputs provided in this Annual Report.


(Bijendra Singh)
Vice-Chancellor

EXECUTIVE SUMMARY

Degree Awarded	545 students were awarded degrees in various course programmes during 24th Convocation held on 16th January 2023. Among degree holders, 88.62% were boys and 11.38% were girls. Among gold medallists, 40% were girls. - Degree certificate of passed out students were uploaded on Digilocker.
Students' admission	During 2022-2023, 804 students were admitted reflecting the increase of 14.8% as compare to 2021-2022.
Faculty recruitment and Career Advancement	- During 2022-2023, 76 Subject Matter Specialists and 37 Assistant Professors were recruited. - Under Career advancement Scheme, 24 teachers have been promoted.
Award and Honours	- Krishi Vigyan Kendra, Basti bagged Pandit Deen Dayal Updhaya Rashitriya Krishi Vigyan Protsahan Puraskar Award -2021 on the occasion of 94th Foundation Day of ICAR. - University got Best Centre Award for ICAR- All India Coordinated Research Project on Arid Zone Fruit. - Krishi Vigyan Kendra, Barabanki bestowed with National Outlook Award-2022. - Krishi Vigyan Kendra, Basti and KVK, Mau were awarded certificate of appreciation by ICAR-ATARI. - University got best central award in AICRP -spices workshop. - University got acknowledged for its excellent work in AICRP on forage crops. 16 teachers/scientists were given various awards and accolades by various government and non- government bodies.
Introduction of new courses/programme	- Masters degree programme was started in Department of Floriculture & Landscaping and Department of Post-Harvest Management. - The Doctoral program is approved by Academic Council for PhD. in Soil and Water Conservation Engineering, Farm Machinery and Power Engineering, Processing and Food Engineering and Irrigation and Drainage Engineering and a post graduate teaching program is approved by Academic Council for M. Tech. Agriculture Engineering in Renewable Energy Engineering.
Placement of students/Admission in Higher Education	Hundred percent of students got job placement in Government/NGO/Private sector or got admission in higher education.
Student's achievement in NET/ JRF	This year 77 students have qualified the prestigious ASRB NET/ SRF/JRF examination.
Infrastructural reforms	- Tissue culture lab was inaugurated. - Construction work of administrative building of Krishi Vigyan Kendra of Sultanpur, Ghazipur, Jaunpur, Bharaich and Gonda completed. - GI chain fencing of 4 km boundaries of farms at Main Campus of University done. - One 100 bed hostel for women at main Campus inaugurated. - More smart classrooms were added. - Two drones were purchased under RKVY. - Purchase of instruments



	- Strengthening of KVKs - Strengthening of facilities at sports complex with opening of gymnasium. 15 acres of wasteland at main campus were turn into cultivable field where natural and organic farming have been undertaken. - At main campus, four net house and one polycarbonate house have been refurbished for developing nursery of high quality variety of fruits and vegetables. 11 solar water pump at main campus and 28 at different KVKs have been installed.
Varieties developed/ released	- Two varieties of kalanamak rice (Pusa Narendra Kala Namak-1 and Pusa Narendra CRD Kala Namak-2) were released. - One variety of wheat (NW-7008) was released which is resistant to rust, lodging and shattering. - Two varieties of Aonla (Narendra Aonla 25 and Narendra Aonla 26) were released. - Three varieties of Bael (Narendra Bael -8, Narendra Bael -10 and Narendra Bael -11) were released.
Research Projects	During 2022-2023, 59 research projects/schemes, financed by various national and international agencies, were in operation in the university.
Seed production	University has produced 7545.84 quintals of Kharif seeds and 2962.80 quintals of Rabi seeds during this year.
Extension activities by Directorate of extension	- KVKs organized 1693 extension activities for creating awareness about latest improved agricultural technologies in which 573127 farmers and 15553 Extension Personnel participated and benefited. 45 numbers of Kisan Melas at head quarter and KVKs were organized. - KVKs produced and supplied 4776.16 quintals of seed of cereals and millets, 130.59 quintals of oilseeds, 339.76 quintals of pulses, 182.54 quintals of vegetables and commercial crop seeds were produced and Rs 134,77,881 revenue generated. - KVKs has organized other extension activities (12164) also. The major activities like electronic media (73), extension literature (7291), news paper coverage (3624), popular articles (375), radio talks (108), and TV talks (49), Animal health camps (618) were performed. 4608 number of technical services were provided through ATIC. 18,700 number of extension publications were sold. 2359 number of farmers visited the ATIC. - A total of 9868 front line demonstrations were conducted in 2922.97 ha on field crops, horticultural crops, tools and implements and livestock by KVKs
Publications	50 books and 216 research articles were published in NAAS accredited or peer reviewed journals.
Skill Development Programme	- Directorate of training and placement organized programme on Development of Soft Skills for Entrepreneurship among Agri Graduates”. 3 days training on soft skills and language development in collaboration with Smart Series Bangalore. 5 days personality development and soft skills training program conducted. - Two days workshop was organized on “Human Values”.
Ranking preparation	- University got 35th rank in National Institutional ranking framework -2022 in Agriculture and allied sector. - IIQA documents for NAAC evaluation submitted.

Scholarships	During the academic year 2022-23, the students of different categories got scholarship and fee reimbursement from Social Welfare, Other backward class and minority departments of U.P Government Mandi Parishads, UP, NTS, DST, Indo-Afghan and University merit Scholarship. All the eligible students got the scholarship.
NCC and NSS	- Four more units of NSS started, taking the total number of units to seven with total intake of 700 students. - Half coy of NCC of 65 UP battalion with 80 students started.
Linkage with other Institutes & Organizations	- ICAR- National Bureau of Fish Genetic Resources-Lucknow - ICAR-Central Avian Research Institute-Izatnagar - ICAR- Indian Institute of Vegetable Research, Varanasi - Nawab Wajid Ali Shah Zoo, Lucknow - International Rice Research Institute, Varanasi - CSIR- Central Institute of Medicinal and Aromatic Plants (CIMAP) ,Lucknow. - ICAR-Indian Institute of Soil Science, Bhopal - Bihar Agriculture University, Sabour, Bihar - ICAR-Indian Institute of Rice Research, Hyderabad - ICAR- Indian Institute of Horticulture Research, Bengaluru - ICAR- Indian Institute of Sugarcane Research, Lucknow - State Bank of India
Technology developed	Total of 35 location-based technologies were developed in agriculture and related fields.
Budget summary	Total revenue generated during 2022-23 was Rs. 1588.00 Lakhs against the total grant received of an amount Rs. 14691.00 Lakhs.
Extra-curricular activities	- Annual sports meet - International Yoga Day on 21st June, 2023 as a mega event with participation of more than 1500 students, faculty and staff - Number of cultural programs were organized to commemorate various occasions. Paintings, debate, rangoli were also organized to mark different occasion. - Under the aegis of different colleges and NSS, the university organized different programs round the year namely plantation drive, cleanliness drive etc.
Health camps	- Various routine health check-up camps were organized for employees and students. - Lump skin disease awareness programme in villages - Animal health camp
Social Committment	Tiranga Yatra, International Millets Year, TB eradication programme, National Nutrition Month etc, were carried out.
Environment protection and Clean and green Campus	- Installation of solar operated water pumps - Use of LED bulbs for street lights. - Waste management - Construction of rain water harvesting ponds - Crop residue management - Organic and natural farming - Plastic free campus



कार्यकारी सारांश

डिग्री प्रदान की गई	16 जनवरी 2023 को आयोजित 24वें दीक्षांत समारोह के दौरान 545 छात्रों को विभिन्न पाठ्यक्रम कार्यक्रमों में डिग्री प्रदान की गई। - डिग्री धारकों में 88.62 % छात्र और 11.38% छात्राएं थीं। स्वर्ण पदक विजेताओं में 40% छात्राएं थीं। - उत्तीर्ण विद्यार्थियों के डिग्री प्रमाणपत्र डिजिलॉकर पर अपलोड किए गए।
छात्रों का प्रवेश	2022–2023 के दौरान, 804 छात्रों को प्रवेश दिया गया, जो 2021–2022 की तुलना में 14.8% की वृद्धि को दर्शाता है।
संकाय भर्ती और कैरियर उन्नति	2022–2023 के दौरान, 76 विषय विशेषज्ञ और 37 सहायक प्रोफेसरों की भर्ती की गई। - कैरियर उन्नति योजना के तहत 24 शिक्षकों को प्रोन्नति दी गयी
पुरस्कार और सम्मान	- कृषि विज्ञान केंद्र, बस्ती को आईसीएआर के 94वें स्थापना दिवस के अवसर पर पंडित दीन दयाल उपाध्याय राष्ट्रीय कृषि विज्ञान प्रोत्साहन पुरस्कार–2021 मिला। - विश्वविद्यालय को शुष्क क्षेत्र के फलों पर आईसीएआर–अखिल भारतीय समन्वित अनुसंधान परियोजना के लिए सर्वश्रेष्ठ केंद्र का पुरस्कार मिला। - कृषि विज्ञान केंद्र, बाराबंकी को राष्ट्रीय आउटलुक पुरस्कार–2022 से सम्मानित किया गया। - कृषि विज्ञान केंद्र, बस्ती और केवीके, मऊ को आईसीएआर–अटारी द्वारा प्रशंसा प्रमाण पत्र से सम्मानित किया गया। - विश्वविद्यालय को एआईसीआरपी–मसाला कार्यशाला में सर्वश्रेष्ठ केंद्रीय पुरस्कार मिला। - चारा फसलों पर एआईसीआरपी में उत्कृष्ट कार्य के लिए विश्वविद्यालय को मान्यता मिली। 16 शिक्षकों/वैज्ञानिकों को विभिन्न सरकारी और गैर–सरकारी निकायों द्वारा विभिन्न पुरस्कार और सम्मान दिए गए।
नए पाठ्यक्रमों / कार्यक्रमों की शुरुआत	- फूलों की खेती और भू–दृश्यीकरण विभाग और कटाई उपरांत प्रबंधन विभाग में परास्नातक डिग्री कार्यक्रम शुरू किया गया। - मृदा और जल संरक्षण इंजीनियरिंग, फार्म मशीनरी और पावर इंजीनियरिंग, प्रसंस्करण और खाद्य इंजीनियरिंग और सिंचाई और ड्रेनेज इंजीनियरिंग में डॉक्टरेट कार्यक्रम तथा एक स्नातकोत्तर शिक्षण कार्यक्रम, नवीकरणीय ऊर्जा में कृषि इंजीनियरिंग, अकादमिक परिषद द्वारा अनुमोदित किया गया है।
छात्रों का प्लेसमेंट/उच्च संस्थानों में शिक्षा हेतु प्रवेश	सौ प्रतिशत छात्रों को सरकारी/एनजीओ/निजी क्षेत्र में नौकरी या उच्च शिक्षा में प्रवेश मिला।
नेट/जेआरएफ में छात्रों की उपलब्धि	इस वर्ष 77 छात्रों ने प्रतिष्ठित एएसआरबी नेट/एसआरएफ/जेआरएफ परीक्षा उत्तीर्ण की है।

आधारभूत संरचना सुधार	• टिशू कल्चर लैब का उद्घाटन किया गया। • सुल्तानपुर, गाजीपुर, जौनपुर, बहराईच और गोंडा के कृषि विज्ञान केंद्र के प्रशासनिक भवन का निर्माण कार्य पूरा। • विश्वविद्यालय के मुख्य परिसर में खेतों की 4 किमी की सीमाओं की जीआई श्रृंखला बाड़ लगाई गई। • मुख्य परिसर में महिलाओं के लिए 100 बिस्तरों वाले एक छात्रावास का उद्घाटन किया गया। • अधिक स्मार्ट क्लासरूम जोड़े गए। • आरकेवीवाई के तहत दो ड्रोन खरीदे गए। • उपकरणों की खरीद • कृषि विज्ञान केंद्रों का सुदृढीकरण • व्यायामशाला खोलने के साथ खेल परिसर में सुविधाओं का सुदृढीकरण। • मुख्य परिसर में 15 एकड़ बंजर भूमि को खेती योग्य क्षेत्र में बदल दिया गया जहां प्राकृतिक और जैविक खेती की गई है। • मुख्य परिसर में, उच्च गुणवत्ता वाले विभिन्न प्रकार के फलों और सब्जियों की नर्सरी विकसित करने के लिए चार नेट हाउस और एक पॉली कार्बोनेट हाउस का नवीनीकरण किया गया है। • मुख्य परिसर में 11 और विभिन्न केवीके पर 28 सौर जल पंप स्थापित किए गए हैं।
विकसित/जारी की गई किस्में	• कालानमक चावल की दो किस्में (पूसा नरेंद्र काला नमक-1 और पूसा नरेंद्र सीआरडी काला नमक-2) जारी की गईं। • गेहूं की एक किस्म (एनडब्ल्यू-7008) जारी की गई। • आंवला की दो किस्में (नरेंद्र आंवला 25 और नरेंद्र आंवला 26) जारी की गईं। • बेल की तीन किस्में (नरेंद्र बेल -8, नरेंद्र बेल -10 और नरेंद्र बेल -11) जारी की गईं।
अनुसंधान परियोजनाएँ	• 2022-2023 के दौरान, विभिन्न राष्ट्रीय और अंतर्राष्ट्रीय एजेंसियों द्वारा वित्तपोषित 59 अनुसंधान परियोजनाएँ विश्वविद्यालय में चल रही थीं।
बीज उत्पादन	• विश्वविद्यालय ने इस वर्ष 7545.84 क्विंटल खरीफ बीज और 2962.80 क्विंटल रबी बीज का उत्पादन किया है।
प्रसार निदेशालय द्वारा विस्तार गतिविधियाँ	• केवीके ने नवीनतम उन्नत कृषि प्रौद्योगिकियों के बारे में जागरूकता पैदा करने के लिए 1693 विस्तार गतिविधियाँ आयोजित कीं जिनमें 573127 किसानों और 15553 विस्तार कर्मियों ने भाग लिया और लाभान्वित हुए। • मुख्यालय और केवीके पर 45 किसान मेलों का आयोजन किया गया। • केवीके ने अनाज और बाजरा के 4776.16 क्विंटल बीज का उत्पादन और आपूर्ति की, 130.59 क्विंटल तिलहन, 339.76 क्विंटल दालें, 182.54 क्विंटल सब्जियाँ और वाणिज्यिक फसल के बीज का उत्पादन किया गया और 134,77,881 रुपये का राजस्व अर्जित किया गया। • केवीके ने अन्य विस्तार गतिविधियाँ (12164) भी आयोजित की हैं। इलेक्ट्रॉनिक मीडिया (73), विस्तार साहित्य (7291), समाचार पत्र कवरेज (3624), लोकप्रिय लेख (375), रेडियो वार्ता (108), और टीवी वार्ता (49), पशु स्वास्थ्य शिविर (618) जैसी प्रमुख गतिविधियाँ आयोजित की गईं।

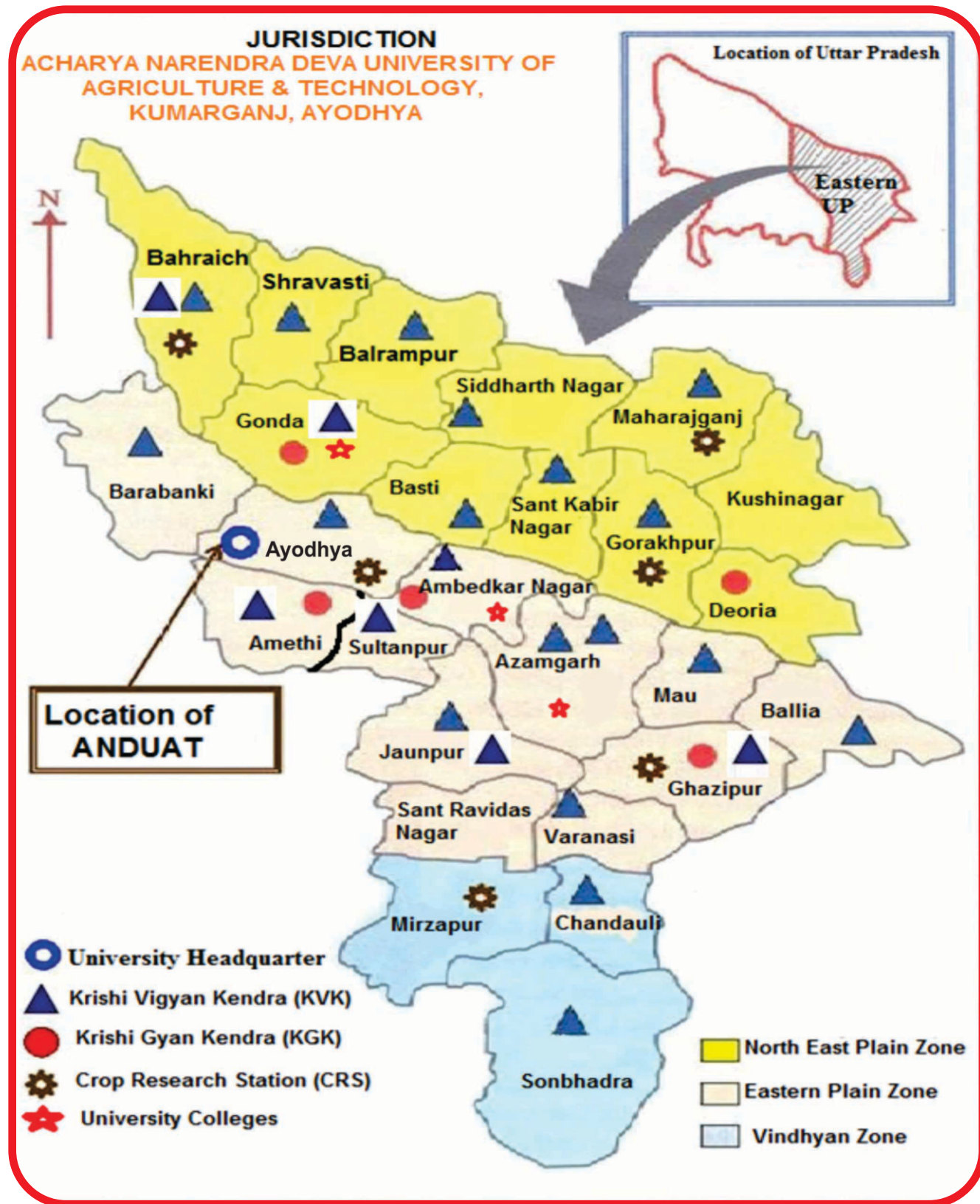


	• ATIC के माध्यम से 4608 तकनीकी सेवाएँ प्रदान की गईं। • ATIC के माध्यम 18,700 संख्या में विस्तार प्रकाशन बेचे गए। • 2359 किसानों ने एटीआईसी का दौरा किया। • केवीके द्वारा खेत की फसलों, बागवानी फसलों, औजारों और उपकरणों और पशुधन पर 2922.97 हेक्टेयर में कुल 9868 फ्रंट लाइन प्रदर्शन आयोजित किए गए।
प्रकाशन	• 50 पुस्तकें और 216 शोध लेख मान्यता प्राप्त या समीक्षित पत्रिकाओं में प्रकाशित हुए।
कौशल विकास कार्यक्रम	• प्रशिक्षण और प्लेसमेंट निदेशालय ने कृषि स्नातकों के बीच उद्यमिता के लिए सॉफ्ट कौशल के विकास पर कार्यक्रम आयोजित किया। • स्मार्ट सीरीज बेंगलोर के सहयोग से सॉफ्ट स्किल्स और भाषा विकास पर 3 दिवसीय प्रशिक्षण। • 5 दिवसीय व्यक्तित्व विकास एवं सॉफ्ट स्किल्स प्रशिक्षण कार्यक्रम। • मानवीय मूल्य पर दो दिवसीय कार्यशाला का आयोजन किया गया।
रैंकिंग	• कृषि एवं संबद्ध क्षेत्र में राष्ट्रीय संस्थागत रैंकिंग फ्रेमवर्क-2022 में विश्वविद्यालय को 35वीं रैंक मिली है। • NAAC मूल्यांकन के लिए IIQA दस्तावेज जमा किया गया।
छात्रवृत्ति	• शैक्षणिक वर्ष 2022-23 के दौरान, विभिन्न श्रेणियों के छात्रों को यूपी सरकार के समाज कल्याण, अन्य पिछड़ा वर्ग और अल्पसंख्यक विभागों, मंडी परिषदों, यूपी, एनटीएस, डीएसटी, भारत-अफगान और विश्वविद्यालय योग्यता छात्रवृत्ति से छात्रवृत्ति और शुल्क प्रतिपूर्ति मिली। सभी पात्र विद्यार्थियों को छात्रवृत्ति प्राप्त हुई।
एनसीसी और एनएसएस	• एनएसएस की चार और इकाई की शुरुवात . विश्वविद्यालय में अब कुल सात इकाई हो गयी जिससे अब ७०० छात्र -छात्राएं प्रतिभाग कर सकते हैं। • 65 यूपी बटालियन की एनसीसी 80 छात्रों के साथ शुरू।
अन्य संस्थानों और संगठनों के साथ अनुबंध	• आईसीएआर-राष्ट्रीय मछली आनुवंशिक संसाधन ब्यूरो-लखनऊ • आईसीएआर-केंद्रीय पक्षी अनुसंधान संस्थान-इज्जतनगर • आईसीएआर-भारतीय सब्जी अनुसंधान संस्थान, वाराणसी • नवाब वाजिद अली शाह चिड़ियाघर, लखनऊ • अंतर्राष्ट्रीय चावल अनुसंधान संस्थान, वाराणसी • सीएसआईआर-केंद्रीय औषधीय एवं सुगंधित पौधा संस्थान (सीमैप), लखनऊ। • आईसीएआर-भारतीय मृदा विज्ञान संस्थान, भोपाल • बिहार कृषि विश्वविद्यालय, सबौर, बिहार • आईसीएआर-भारतीय चावल अनुसंधान संस्थान, हैदराबाद • आईसीएआर-भारतीय बागवानी अनुसंधान संस्थान, बेंगलुरु • आईसीएआर-भारतीय गन्ना अनुसंधान संस्थान, लखनऊ • भारतीय स्टेट बैंक
प्रौद्योगिकी विकसित की गई	• कृषि और संबंधित क्षेत्रों में कुल 35 स्थान-आधारित प्रौद्योगिकियां विकसित की गईं।

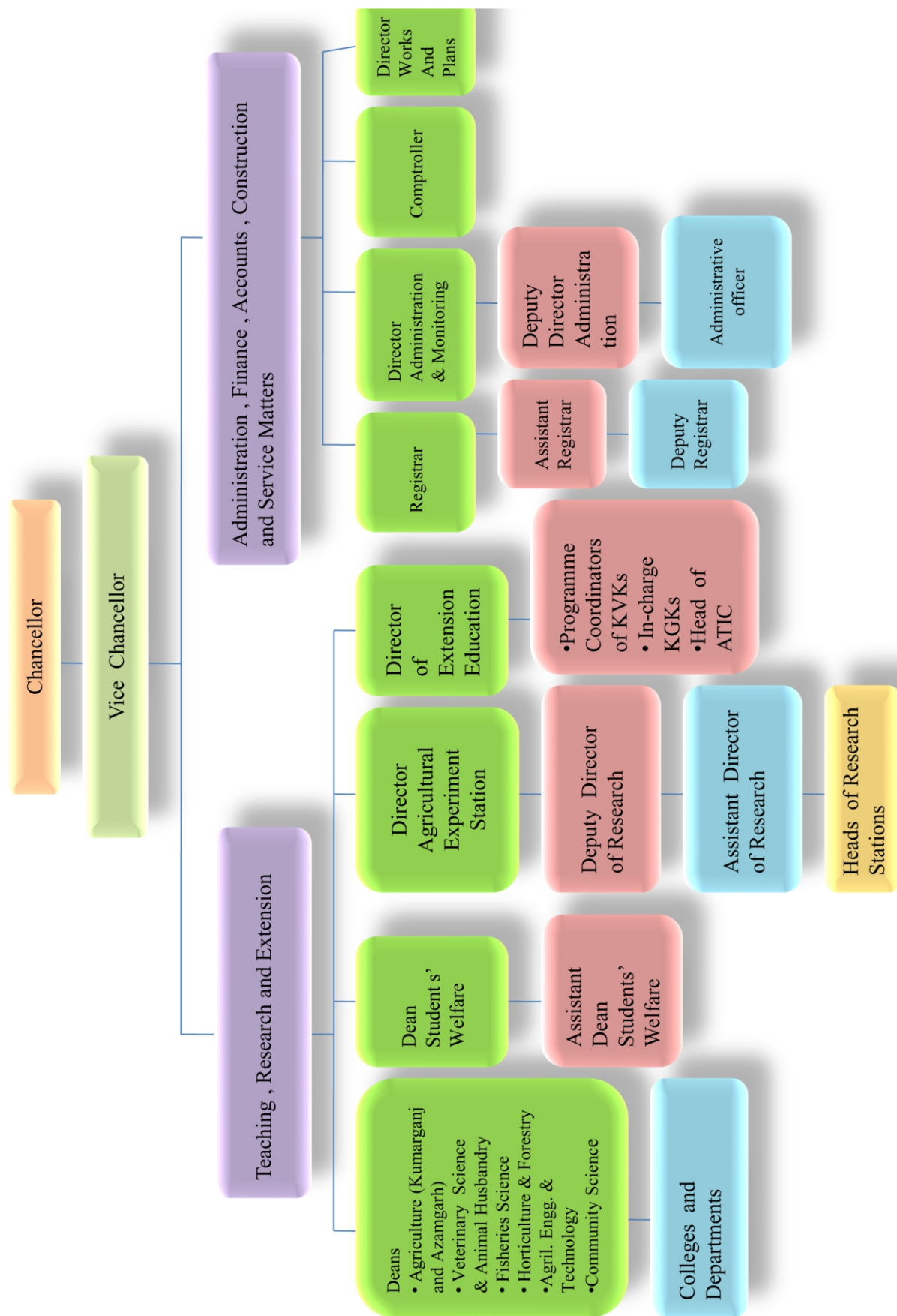
राजस्व	2022-23 के दौरान उत्पन्न कुल राजस्व रु. 1588.00 लाख तथा कुल प्राप्त अनुदान रु.14691.00 लाख था ।
पाठ्येतर गतिविधियाँ	- वार्षिक खेल प्रतियोगिता 21 जून, 2023 को 1500 से अधिक छात्रों, संकाय और कर्मचारियों की भागीदारी के साथ एक मेगा कार्यक्रम के रूप में अंतर्राष्ट्रीय योग दिवस - विभिन्न अवसरों के उपलक्ष्य में कई सांस्कृतिक कार्यक्रम आयोजित किए गए। विभिन्न अवसरों को चिह्नित करने के लिए पेंटिंग, वाद-विवाद, रंगोली का भी आयोजन किया गया। - विभिन्न कॉलेजों और एनएसएस के तत्वावधान में, विश्वविद्यालय ने पूरे वर्ष विभिन्न कार्यक्रम आयोजित किए, जैसे कि वृक्षारोपण अभियान, स्वच्छता अभियान आदि।
स्वास्थ्य शिविर	- कर्मचारियों और छात्रों के लिए विभिन्न नियमित स्वास्थ्य जांच शिविर आयोजित किए गए। - गांवों में पशुओं में गांठ त्वचा रोग जागरूकता कार्यक्रम - पशु स्वास्थ्य शिविर
सामाजिक प्रतिबद्धता	तिरंगा यात्रा, अंतर्राष्ट्रीय बाजरा वर्ष, टीबी उन्मूलन कार्यक्रम, राष्ट्रीय पोषण माह आदि चलाये गये।
पर्यावरण संरक्षण एवं स्वच्छ एवं हरित परिसर	- सौर ऊर्जा चलित जल पंपों की स्थापना - स्ट्रीट लाइट के लिए एलईडी बल्बों का उपयोग। - कचरे का प्रबंधन - वर्षा जल संचयन तालाबों का निर्माण - फसल अवशेष प्रबंधन - जैविक एवं प्राकृतिक खेती - प्लास्टिक मुक्त परिसर



DOMAIN OF THE UNIVERSITY



ORGANOGRAM



INTRODUCTION

Acharya Narendra Deva University of Agriculture & Technology, named after the great social reformer and educationist Acharya Narendra Deva, came into existence on January 15, 1974, when its foundation stone was laid by Hon'ble Prime Minister of India late Smt. Indira Gandhi at Masodha near Ayodhya city on Ayodhya-Prayagraj road. Sri. A.D. Pandey was appointed as the first Vice Chancellor on 10th October 1975 and Government of U.P. decided to locate the main campus at Kumarganj instead of Masaudha. The University is spread on 2065.2ha of land including areas of Krishi Vigyan Kendras and research stations. The headquarter of the University is at Kumarganj which is 42 km away from Ayodhya district head quarter on Ayodhya-Raebareli road. At Kumarganj, the University has 1677ha. land, out of which on 447ha area, the main campus of university has been developed and 1330 ha area is available for cultivations. The University is an agrarian pilgrimage of peasantry of Eastern Uttar Pradesh that has mandate for agricultural development of 27 districts under seven divisions viz., Ayodhya, Basti, Devidhan, Gorakhpur, Azamgarh, Varanasi and Vindhyachal Dham, covering three agro-climatic zones viz. Eastern Plain Zone, North-Eastern plain zone and Vindhyan zone of Eastern Uttar Pradesh popularly known as Purvanchal. The University has Directorate of Agricultural Experiment Station, Directorate of Extension with 25 Krishi Vigyan Kendras and 4 Krishi Gyan Kendras, seven Zonal Research Stations, Computer Centre, Laboratories, Agricultural Research Information System (ARIS), Directorate of Placement, Agriculture Technology Information Centre (ATIC), Library, Central Instrumentation Laboratory (CIL), Sports complex, Instructional Students' Farm, 7 units of NSS and half coy of NCC which provide enough opportunities to the students' and the faculty to hone their skills.

The University has identified several short-term and long-term goals in teaching, research and extension activities with a view to realize the mission statement. 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 Board of Faculties through Academic Council advice the Board of Management for academic matters. The Research Advisory Committee and Extension Advisory Committees advise the Board for research

and extension activities, respectively.

The teaching activities of the University run in seven constituent colleges. The College of Agriculture, College of Home Science, College of Veterinary Science & Animal Husbandry, College of Fisheries and College of Horticulture & Forestry are located at main campus at Kumarganj. One agriculture college is in Azamgarh, while the College of Agricultural Engineering & Technology is located at Akbarpur in district Ambedkar Nagar. Undergraduate programmes in 8, post graduate in 42 and Ph.D in 32 disciplines being offered by the University. Faculties of these constituent colleges take active part in teaching, research and extension activities relevant to their specialization. The constituent colleges thus strive to fulfill the goals and missions of the University. The University has modified its syllabus in accordance with National Education Policy and has started value added and skill development courses. The University has bolstered its teaching and research infrastructure with the help of NAHEP and RKVY projects. Further, for high quality teaching and research activities, the University has signed MOU with several organizations of National and International repute. The University is now accredited by the National Agricultural Education Accreditation Board (NAEAB) of ICAR. The University also got 35th rank in National Institutional Ranking Framework (NIRF) in agriculture and allied sectors.

In light of the changes that are taking place in the sphere of information technology, the University has set up a centralized computer laboratory and an Agricultural Research Information System (ARIS) with the help of the ICAR. The University has strengthened its teaching, research and extension acumen by recruiting teachers, scientists and subject matter specialists. Teachers of various departments carry out research projects in addition to their teaching programme, which are supported by publications in the form of research papers and books. The faculty of the University has a good track record in teaching, research and extension activities as is evident by success of its students in various competitive examinations, placement of alumni at reputed positions, development of high-quality crop varieties and effective disseminations of farm technology to farmers' field.



Research activities of the University are mainly oriented to meet the goals and objectives of the University as outlined in the mandate. The Research Advisory Committee is the apex research body in the University that has the responsibility of formulating the medium and long-term research policy and guidelines for carrying out research. The day-to-day management of all research work in the University is coordinated and managed by the Director of Agriculture Experiment Stations which has a competent network of technical, administrative and scientific personnel linking all teaching and research campuses. The ICAR has been providing research support by locating 19 AICRP in the University. The University has evolved a set of definite and strict guidelines for release of technology to ensure quality, credibility and reliability of research output. All research results are discussed in the Zonal Research and Extension Advisory Committee meeting and any technology developed is recommended for release on farm trials or inclusion in package of practices based on open peer review in the meeting. The most satisfying research accomplishments of the University have been in the area of varietal improvement of various crops. The University has released 198 varieties of different crops and developed several

production technologies particularly in the area of cultural practices under irrigated as well as dry land agriculture, water management and pest and disease management etc. in food crops, vegetable crops, horticultural crops, fibre crops and medicinal & aromatic plants etc. The crop production practices developed by the University have helped to increase productivity and reduce the cost of production. Breeding for pest and disease resistance in pulses; research in rainfed agriculture; improved crop production technology; mechanization for small farms and conservation of germplasm, genetic resources and biodiversity are some of the areas of current focus in research.

Extension is an important activity for the transfer of technology. While, the State Department of Agriculture has the major responsibility of extension, however, University has often played the lead role in transfer of technology. Training for extension functionaries, rural women and farm youth has been a major programmes of the extension directorate. The University has also established an Agriculture Technology Information Centre (ATIC) and Krishak Help Line Service. The information provided by the University is valuable for the stakeholders of the agriculture sector of the state.

VISION

To make agriculturally prosperous and nutritionally secure Eastern Uttar Pradesh

MISSION

To provide education, research and extension services in different branches of agriculture and allied sciences to farming community for their nutritional security and prosperous livelihood of Uttar Pradesh in general and eastern Uttar Pradesh in particular.

GOALS AND OBJECTIVES

- To produce professionals for management of second green revolutions.
- To accelerate the pace of enhancing rural income and employment through development of agriculture and allied fields.
- To consolidate the efforts for input and time efficient as well as cost effective technologies, processes and varieties.
- To monitor and review the agriculture development programme for sustainable agriculture growth.

UNIVERSITY ADMINISTRATION

A. UNIVERSITY AUTHORITIES

The Uttar Pradesh (Krishi Evam Prodyogic Vishwavidyalaya Adhiniyam) 1958 (U.P. Act XLV of 1958 2A ii as amended Uttar Pradesh Krishi Vishwa Vidyalaya Adhiniyam, 1958) vest powers with the University to institute degrees, diplomas and other academic distinctions.

1. BOARD OF MANAGEMENT

Board of Management is apex body endowed with the responsibility of taking policy decisions and is headed by the Vice Chancellor. Comptroller is the Secretary of this apex body. It has Academic Council to advise the University on academic matters.

BOARD OF MANAGEMENT

S.No.	Name	Address
1.	Dr. Bijendra Singh Vice-Chancellor, Chairman	A.N.D.U.A.T., Kumarganj, Ayodhya
Members		
2.	Additional Chief Secretary Agriculture Education & Research	Govt. of U.P., Secretariat, Lucknow
3.	Additional Chief Secretary Higher Education	Govt. of U.P., Secretariat, Lucknow
4.	Additional Chief Secretary Finance	Govt. of U.P., Secretariat, Lucknow
5.	Director Animal Husbandry (U.P.)	Directorate of Animal Husbandry (In front of Ramadhin Singh Inter College, Babuganj) Lucknow
6.	Director Agriculture (U.P.)	Directorate of Agriculture, Krishi Bhawan, Lucknow
7.	Dr. Uma Shanker Singh Director Agriculture Scientist	South Asia Regional Coordinator & India Country Head International Potato Research Center , South Asia Center, NASC Complex, DPS Marg, Pusa, New Delhi 110 012
8.	Sri Ram Chandra Yadav , MLA	Village & Post Ghatauli Distt Ayodhya -224164
9.	Sri Bawan Singh MLA	Village-Gaddopur, P.O.: Parsa Maheshi, Distt. Gonda - 271502, 5/109A, Vineet Khand, Gomtinagar, Lucknow – 226010
10.	Sri Vijay Bahadur Dubey Livestock Breeder	Ward No.3, Nehru Nagar, New Colony, Distt. - Deoria – 274001.
11.	Sri Ganga Sagar Rai Distinguished Industrialist	Betiahata, Near Unwal House, Distt.–Gorakhpur-273001
12.	Sri Neeraj Srivastava, Comptroller	A.N.D.U.A.T., Kumarganj, Ayodhya



2. ACADEMIC COUNCIL

The next academic authority is the Board of Studies, which is separate for each college. The Dean is the Chairman and all Heads of Departments are the members of Board of Studies for any particular College.

The academic council of the University for the year 2022-2023 comprised of following members.

S.No	Name	Designation	Chairman/Member
1.	Dr. Bijendra Singh	Vice-Chancellor	Chairman
2.	Dr. A.P.Rao	Additional Director Extension	Member
3.	Dr. Ved Prakash	Dean, College of Agriculture/HOD	Member
4.	Dr.D.K. Singh	Dean, MCAET	Member
5.	Dr. Sanjay Pathak	Dean, College of Hort. & Forestry	Member
6.	Dr. D. K. Dwivedi	DSW /Prof. & Head, Bio-Tech.	Member
7.	Dr. Sadhna Singh	Dean, College of Comm. Science	Member
8.	Dr. D. Niyogi	Prof. Vety. Pathology	Member
9.	Dr. R.K. Joshi	Prof., Veterinary Science	Member
10.	Dr. Namita Joshi	Prof. & Head, VPE	Member
11.	Dr. Rudra Pratap Singh	Prof., Bio-Chemistry	Member
12.	Dr. R. K. Doharey	Prof. Ext. Education	Member
13.	Dr. D.K. Singh	Assoc. Dean, College of Azamgarh	Member
14.	Dr. S.C. Vimal	Head, GPB/BOFA, Secretary	Member
15.	Dr. Susheel Kumar	Head, Plant Pathology	Member
16.	Dr. A. K. Singh	DAM/Head, Crop Physiology	Member
17.	Dr. Anil Kumar Singh	Head, Agronomy	Member
18.	Dr. Sita Ram Mishra	Head, Agro-Meteorology	Member
19.	Dr. Jaswant Singh	Head (AGB) Vet. & A.H.	Member
20.	Dr. Anil Kumar Gangwar	Prof. & Head, Vety. Surgery	Member
21.	Dr. Shushant Srivastava	Prof. & Head, VGO	Member
22.	Dr. Subodh Kumar	Prof. & Head, T.L.F.	Member
23.	Dr. Chandra Shekhar	Prof.& Head, VPE	Member
24.	Dr. Vijay Kumar Singh	Prof. & Head, ANN	Member
25.	Dr. Sonu Jaiswal	Head, Vety. Clinical Complex	Member
26.	Dr. Amit Singh	Head, Parasitology	Member
27.	Dr. Bhagwan Deen	Prof.& Head, Post Harvest	Member
28.	Dr. D.Ram	Prof., Horticulture	Member
29.	Dr. Suman Prasad Maurya	Head, Human Dev. & Family Studies	Member
30.	Dr. S.P. Singh	Head (LFC) Vet. & A.H.	Member
31.	Dr.C.N.Ram	Prof.,CHF/Sec.-BOFH	Member
32.	Dr. C.P. Singh	Prof., Fish. Resource Management	Member
33.	Dr. Laxmi Prasad	HOD, Aquaculture Fisheries	Member
34.	Dr. Radhakrishnan K.V.	HOD, CF	Member
35.	Dr. Bhanu Pratap	Prof. & Head, CHF	Member
36.	Dr. V.K. Singh	HOD, Engg. College	Member
37.	Dr. J.P. Singh	HOD, Vety. Science	Member
38.	Dr. S.V. Singh	HOD, Vety. Science	Member
39.	Dr. S.K. Maurya	HOD, Vety. Science	Member

B. OFFICERS OF THE UNIVERSITY DURING 2022-23

	Name	Designation
1.	Dr. Bijendra Singh	Vice-Chancellor
2.	Dr. P.S. Pramanik	Registrar
3.	Dr. A. K. Singh	Director, Administration and Monitoring
4.	Dr. Anil Kumar Gangwar	Director of Agriculture Experiment Station
5.	Dr. R.R. Singh	In charge - Director Extension
6.	Dr. D.K.Dwivedi	Dean, Student's Welfare
7.	Sri Neeraj Srivastava	Comptroller
8.	Dr. Pratibha Singh	Dean, College of Agriculture
9.	Dr. Sita Ram Mishra	Associate Dean, College of Agriculture, Main Campus
10.	Dr. D. K. Singh	Associate Dean, College of Agriculture, Azamgarh
11.	Dr. P. S. Pramanik	Dean, College of Veterinary Science and A.H.
12.	Dr. Sanjay Pathak	Dean, College of Horticulture & Forestry
13.	Dr. Anil Gangwar	Dean, College of Fisheries.
14.	Dr D.K.Singh	Dean, MCAET, Ambedkar Nagar
15.	Dr. Namita Joshi	Dean, College of Home Science

C. OTHER COMMITTEES/ CELLS**1. NODAL CELL ICAR:**

The University has a nodal cell for communication to education division of ICAR for various students' related activities and issues under the guidance of ICAR.

S.No.	Name	Designation
1	Dr. R. K. Joshi	Nodal Officer
2	Dr. S. K. Maurya	Asstt. Nodal Officer

2. INSTITUTIONAL ANIMAL ETHICS COMMITTEE:

For the smooth conducting of research on animals, University got itself registered to CPCSEA for the purpose of experiment on small and large animals in March 2019.

Members of the IAEC during 2022-23

Internal Members (Within University)		
1	Dr. V. K. Singh	Chairman
2	Dr. S. K. Maurya,	Member Secretary
3	Dr. Rishikant, Incharge, Animal House	Member
4	Dr. Sushant Srivastava,	Member
5	Dr. A. K. Gangwar,	Member
CPCSEA Nominees		
1	Dr. D.S. Upadhyay; CSIR – Central Drug Research Institute, Lucknow	Main Nominee
2	Dr. Atul Kumar Baranwal Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow	Link Nominee
3	Dr. Mahadeo Kumar CSIR – Indian Institute of Toxicology Research, Lucknow	Scientist from outside of the Institute
4	Dr. Alok Kumar Shukla Amity Institute of Pharmacy, Amity University, Uttar Pradesh, Lucknow	Socially aware Nominee



3. INSTITUTIONAL QUALITY ASSURANCE CELL:

For maintaining quality in all administrative and academic activities conducted during a calander year, as per the University mandate, an Institutional Quality Assurance Cell (IQAC) has been constituted with the following members.

University IQAC Committee during 2022-23

1.	Dr. Bijendra Singh, Vice-Chancellor	Chairman
2.	Dr. Namita Joshi, Prof. & Head, VPE	Coordinator
3.	Dr. R. K. Joshi, Nodal Officer, ICAR	Member
4.	Dr. P.S. Pramanik, Registrar	Member
5.	Dr. A. P. Rao, Director Extension	Member
6.	Dr. Ved Prakash, Prof.& Head, Soil Science	Member
7.	Dr. Sanjay Pathak, Prof. & Head, Post Harvest Technology	Member
8.	Dr. Hemant Kumar, Assoc. Prof. (P.P.), College of Horticulture & Forestry	Member
9.	Dr. Sadhana Singh, Head, Food Science and Nutrition	Member
10.	Dr. Laxmi Prasad, Asstt. Prof., College of Fisheries	Member
11.	Er. Mahendra Rai, Assoc. Prof., MCAET, Ambedkarnagar	Member
12.	Dr. Jaswant Singh, Assoc. Prof., College of Vet. Sciences & A.H.	Member

D. MEETINGS OF EXECUTIVE BODIES DURING 2022-2023

1. BOARD OF MANAGEMENT

S.No.	Number of BOM Meeting	Date
1.	192 th meeting of BOM	12.05.2022
2.	193 st meeting of BOM	03.08.2022
3.	194 th meeting of BOM	26.09.2022
4.	195 st meeting of BOM	16.12.2022

2. ACADEMIC COUNCIL

S.No.	Number of A.C. Meetings	Date
1	Academic Council Meeting 295 th	10.06.2022
2	Academic Council Meeting 296 th	20.08.2022
3	Academic Council Meeting 297 th	26.11.2022
4	Academic Council Meeting 298 th	30.12.2022
5	Academic Council Meeting 299 th	14.07.2023
6	Academic Council Meeting 300 st	04.08. 2023
7	Academic Council Meeting 301 st	30.08. 2023
8	Academic Council Meeting 302 nd	

Major Decisions taken by Academic Council:-

Following decisions were taken by Academic Council during the year April 2021 - March 2022.

- (i) Academic council approved the Diploma in Veterinary Pharmacy and Diploma in livestock Extension.
- (ii) Academic council approved PG & Ph. D. courses semester reports timely was placed for consideration and approval of Academic council.
- (iii) Academic council approved the as per Proposal of UGC accepting MOOCs currently offered by UGC, NPTEL, IGNOU, CECXIIM-B and SWAYAM which is major recommendation of NEP-2020.
- (iv) Academic council approved the 60 seat student (U.G.) at college of Agriculture Karnailganj, Gonda after approval of competent authority as well as steering committee of UPCATET-2023.
- (v) Academic Council approved to start Ph.D. programme in college of fisheries in the department of aquaculture and Fisheries Resource Management.

Academic Council approved the BSMA syllabi for PG and Ph.D. degree programme in all Colleges of University Academic Council approved also decide to divided the credit hours in end to all semesters of PG & Ph.D. degree programme.

3. INSTITUTIONAL ANIMAL ETHICS COMMITTEE

S. No.	Meeting Number	Date	No. of Proposals
1	Seventh meeting of IAEC	28 th September 2022	11
2	Eighth meeting of IAEC	17 th March, 2023	07

4. FINANCE SUB COMMITTEE

S.No.	Number of Meeting	Date
1.	106 th meeting of finance sub committee	12.05.2022
2.	107 th meeting of finance sub committee	26.09.2022
3.	108 th meeting of finance sub committee	16.12.2022

E. FACULTY PROFILE

Presently, total faculty strength in the constituent colleges / KVKs, research centres and AICRP of the university is 330. About 133 faculty members are in the teaching schemes, 58 in the research schemes and 139 at different KVKs in extension.

Units	Sanctioned	In position
Colleges	284	133
Research Center	75	41
AICRPs	54	17
KVKs	175	139
Total	588	330



TEACHING

I. EDUCATION

The University offers master degree programme in 42 disciplines and Ph.D. programme in 32 disciplines. Since its inception, the University has produced graduates over 1878 in Agriculture, 579 in Home Science, 414 in Veterinary, 218 in Horticulture, 146 in Fisheries and 767 in Agricultural Engineering and Post graduates over 2254 in various disciplines of Agriculture, 116 in Veterinary, 46 in Horticulture, 35 in Home Science and 6 in Fisheries as well as 636 Ph.D in various disciplines of Agriculture, 22 in Horticulture and 13 in Veterinary Science.

II. COLLEGES

The various colleges and research stations of the university are housed in spacious buildings at their campuses. The laboratory facilities and classroom spaces are adequate for UG and PG teaching. All students wishing to stay in the campus are provided hostel facilities that are sufficient at both the campuses. Location of various constituent colleges of University is as follows—

S.N.	College	Location
1.	College of Agriculture	Main Campus, Kumarganj
2.	College of Agriculture	Kotwa, Azamgarh
3.	College of Veterinary Science & Animal Husbandry	Main Campus, Kumarganj
4.	College of Horticulture & Forestry	Main Campus, Kumarganj
5.	College of Fisheries	Main Campus, Kumarganj
6.	College of Community Science	Main Campus, Kumarganj
7.	Mahamaya College of Agriculture Engineering & Technology	Akbarpur, Ambedkar Nagar

COLLEGE OF AGRICULTURE, MAIN CAMPUS

Dr. Pratibha Singh, Dean

The college of Agriculture, one of the oldest in the University was started in February 1977 and since then, it is involved in education in agriculture and allied sectors. Presently, thirteen departments and one section viz; Agronomy, Plant Molecular Biology and Genetic Engineering (PMB&GE), Crop Physiology, Entomology, Agriculture Biochemistry, Extension Education, Genetics and Plant Breeding, Agricultural Meteorology, Plant Pathology, Soil Science and Agril. Chemistry, Agril. Statistics and Agril. Economic, Agri-Business Management (ABM) and section of Seed Science & Technology are functioning in College of

Agriculture. New U.G. degree programme B. Tech. in Biotechnology is going to be started from the session 2023-24.

ACADEMICS

All the undergraduate programs in the University are of 4 years duration. The University has adopted the semester system, each semester being of 18 weeks duration. At present in the UG programme, the recommendation of 5th Dean's Committee is being followed. In Post graduate programme, 19th BSMA syllabi were started in the session 2022-23.

STUDENTS PROFILE

Under-Graduate Programme

Name of college	Degree Programme	Student strength (2022-23)										Student Pass out	
		I year		II year		III year		IV year		Total			
		M	F	M	F	M	F	M	F	M	F	M	F
College of Agriculture	B.Sc. (Hons) Ag.	133	27	118	27	102	33	112	27	465	114	109	27

Post-Graduate and Ph.D. programme

PG and Ph.D. programme are running in different department's viz-Agronomy, Genetics & Plant Breeding, Plant Pathology, Crop Physiology, Entomology, Soil Science & Agril. Chemistry, Agril. Economics, Agril. Bio-Chemistry, PMB&GE, Agril. Meteorology, Extension Education, Agril. Statistics, ABM and one section Seed Science & Technology, except ABM department provide only PG degree in MBA-ABM (in agriculture) respectively are as given below-

Department and category wise list of M. Sc. (Ag.) students 2022-23

S.No.	Name of Department	OBC	SC	ST	UR	EWS	TOTAL
1.	Agronomy	7	3	0	6	0	16
2.	GPB	11	4	1	9	0	25
3.	Plant Pathology	6	3	0	2	0	11
4.	Crop Physiology	3	1	0	3	0	7
5.	Entomology	7	2	0	5	0	14
6.	Soil Science & Agril. Chemistry	6	2	0	6	0	14
7.	Agril. Economics	6	0	0	5	0	11
8.	Agril. Biochemistry	3	0	0	4	0	7
9.	PMB&GE	1	0	0	8	0	9
10.	Agril. Meteorology	5	2	0	4	0	11
11.	Extension Education	6	3	1	4	0	14
12.	Agril. Statistics	4	1	0	1	0	6
13.	ABM	7	0	0	14	3	24
14.	Seed Science & Technology	3	3	0	2	0	8
Total						G. Total	177



ICAR		OBC	SC	ST	UR	EWS	TOTAL
1.	Agronomy	0	0	0	0	0	0
2.	GPB	4	0	1	2	0	7
3.	Plant Pathology	0	0	0	0	0	0
4.	Crop Physiology	0	0	0	0	0	0
5.	Entomology	2	0	0	1	0	3
6.	Soil Science & Agril. Chemistry	0	0	0	0	0	0
7.	Agril. Economics	2	0	0	0	0	2
8.	Agril. Biochemistry	0	0	0	0	0	0
9.	PMB&GE	0	0	0	0	0	0
10.	Agril. Meteorology	1	1	0	0	0	2
11.	Extension Education	1	1	1	1	0	4
12.	Agril. Statistics	1	0	0	0	0	1
13.	ABM	0	0	0	0	0	0
14.	Seed Science & Technology	0	0	0	0	0	0
Total							19
G. Total							177

Department and category wise list of Ph.D. Students including ICAR 2022-23

S.No.	Name of Department	OBC	SC	ST	UR	EWS	Foreigner	TOTAL
1.	Agronomy	1	1	0	4	0	0	6
2.	GPB	1	2	0	3	1	0	7
3.	Plant Pathology	2	0	0	2	0	0	4
4.	Crop Physiology	0	0	0	0	0	0	0
5.	Entomology	3	0	0	1	0	0	4
6.	Soil Science & Agril. Chemistry	2	1	0	0	0	0	3
7.	Agril. Economics	1	4	0	1	0	0	6
8.	Agril. Biochemistry	0	0	0	3	0	0	3
9.	PMB&GE	3	0	0	1	0	0	4
10.	Agril. Meteorology	2	1	0	0	1	0	4
11.	Extension Education	4	1	0	1	1	0	7
12.	Agril. Statistics	0	1	1	0	0	0	2
13.	ABM	0	0	0	0	0	0	0
14.	Seed Science & Technology	0	1	0	0	0	0	1
Total		19	12	1	16	3	0	51

Total Pass out students 159 in M.Sc. (Ag.) and 33 in Ph.D. during the session 2022-23.

Rural Agricultural Work Experience and Agro-Industrial Attachment (RAWE&AIA)/ Activities of students (RAWE and ELP programmes)

a. Rural Agricultural Work Experience and Agro-Industrial Attachment (RAWE&AIA)

The Rural Agricultural Work Experience and Agro-Industrial Attachment (RAWE&AIA) as key component of under-graduate programme for imparting rigorous orientation and familiarization of various issues and problems at the farmer's fields and villages has been carried out with utmost sincerity.

Outreach Activities

Outreach extension activities carried out by students during current year (2022-23) are given below-

In year 2022-23, Agricultural extension activities were conducted by 139 students who were divided in 24 groups. Students went to villages of Sultanpur district groupwise namely Deeh, Dehrianwa, Rampur, Tirhut, Bhawanigarh, Umra, Kanpa, Gaurapran, Pipri, Jarai, Uskama, Taudhikpur, Fatehpur, Kankarkola, Gaurabaramau, Soraon, Gobinpur, Dakkhinghaon, Singhni, Meghmau, Dobhiyara, Mukundpur, Raincha, and Haliyapur respectively and made farmers aware about scientific cultivation and recent technologies in agriculture. Students made farmers aware about scientific manner of cultivation of crops i.e., maize, paddy, pigeonpea, urdbean, mungbean etc. They also told farmers about seed rate, scientific method of nursery raising, fertilizer weed, water and nutrient management. They also gave information to farmers regarding mushroom production technology, insect pest management and storage technology. They encouraged farmers to use the bio-agent. Students created awareness among farmers about use of certified seeds, kharif seed-production, animal health, Jiva Amrit & Beej Amrit in natural farming and also apprise them regarding insurance of crops. Students also made them aware about education and malnutrition. Students made farmers aware about use of exact quantity of insecticides and pesticides for protection of crops.

b. Experiential Learning Programme (ELP):

There are three Experiential Learning Programme are running in the college of agriculture to develop entrepreneurship in the under graduate students. Any two ELP courses are

compulsory to each student out of three ELP courses.

1. ELP-422: Seed Production and Technology (This ELP course taken by: 138 students)
2. ELP-423: Mushroom Cultivation Technology (This ELP course taken by: 02 students)
3. ELP-425: Commercial Bee Keeping (This ELP course taken by: 138 students)

1. ELP-422: Seed Production and Technology

Experiential learning programme (ELP-422) was conducted on Seed Production and Technology aspects during 2nd semester of session 2022-23, in which 138 students were registered. The registered students were engaged with the hand-to-hand practical knowledge of Seed production technology on *mungbean (Vigna radiata) cv. NDM-1*. The Experiential learning program provided students real-world experiences with valuable opportunities to bridge the gap between theory and practical.

2. ELP-423: 10(0+10): Mushroom cultivation Technology

Experience Learning Programme (ELP-423) was conducted as Mushroom Cultivation during 2022-23, 2nd semester in which two students were registered. The registered students were engaged with the hand-to-hand practical knowledge of producing spawn of mushroom, cultivation of oyster mushroom (*Pleurotus ostreatus*) and milky mushroom (*Calocybe indica*). In whole ELP programme both of the students showed their enthusiasm and eagerness to learn about the production technology of mushroom cultivation as many of them was willing to start a small-scale startup in the future.



Span production and mixing in compost for mushroom production by the students



3. ELP-425: Commercial Bee Keeping (This ELP course taken by: 138 students)

Experiential Learning Program ELP-425, Commercial Beekeeping was conducted during 2022-23. Total 138 were registered in this programme. The students of this programme were engaged with hands on training and practical knowledge of beekeeping. In the entire programme all students showed their interest to learn the skills of beekeeping. Some of them was also want to start their startup in the future.



STUDENT ACCOMPLISHMENTS

Forty M.Sc. (Ag.) students and Research scholars have qualified in various exams

Name of Examinations	No. of students
SRF	03
NET	37

PLACEMENT OF STUDENTS

Ten M.Sc. (Ag.) & Ph.D. students were selected in various jobs as mentioned below-

Job details	No. of students
Scientist 'D'	01
Assistant Professor	02
Subject Matter Specialist	02
STA	01
Technical Assistant	03
Technical Officer	01

PUBLICATIONS

Number of research articles published	130
Number of books published	19
Number of books chapters	29

PATENT: (01)

1. Ramya M, Vishal Mehta, Deepa Sharma, Preethi Vasanthakumar, Tekle Leza, Piyush Thakur, Kumud Tanwar, Swati Jha, Karthi K, Jonnala Subba Reddy, Vishnu Kiran Manam and Thimmaiah Bayavanda Chinnappa (2022). Machine Learning Based Approach To Analyse The Characteristics Of Various Neon Materials And Their Impact In Improving Agricultural Yield. The Patent Office Journal No. 40/2022, 65072, Dated 07/10/2022.

RADIO/TV TALK

1. Dr. S.N. Rahul. खरीफ की प्रमुख फसलों में इस समय लगने रोग कारन एवं निदान at All India Radio (AIR), Faizabad on 16.09.2022.
2. Dr. S.N. Rahul. फल वृक्षों में लगने वाले प्रमुख रोग, कारण, लक्षण एवं निदान at All India Radio (AIR), Faizabad on 04.01.2023.
3. Dr. S.N. Rahul. इस समय फल वृक्षों में लगने वाले प्रमुख रोग कारण लक्षण एवं बचाव at All India Radio (AIR), Faizabad on 22.05.2023.
4. Dr. Alok Kumar Singh. कृषि दर्शन दूरदर्शन कार्यक्रम—पादप हार्मोन का प्रबंधन एवं उपयोग 27 May 2022.
5. Dr. Supriya. Bhetvarta Krishi Vividhikaran Aaj Ki Awashakta. at All India Radio (AIR), Faizabad, 2022.
6. Dr. Supriya. Bhetvarta Krishak Mahilao Ke Liye Rojgar Ki Sambhavanaye. at All India Radio (AIR), Faizabad, 2023.

TRAINING PROGRAMME/CONFERENCES/WORKSHOP/WEBINAR ATTENDED BY THE FACULTY:

Seminar/ Workshop/ Conference/ Training programme organized/attended

a) Conference

- Dr. Alok Kumar Singh Asstt. Prof. (Crop Physiology) attended International Conference-2023 on "Strategies and Challenges in Agricultural and Life Sciences for Food Security and Sustainable Environment (SCALFE-2023)" held from 28-30, April, 2023 at Himachal Pradesh University, Summer Hill, Shimla, HP, India.
- Dr. Supriya, Asstt. Prof. (Agril. Econ.) 2023. International Conference on Multi-disciplinary approaches in Engineering, Science Agriculture & Social Studies.

b) Training

- Dr. Alok Kumar Singh Asstt. Prof. (Crop Physiology) attended two days training program

organized by Centre of Excellence for Rice on “Hybrid Rice Cultivation in Current Scenario”

- Dr. Vishal Mehta, Asst. Prof. (Agril. Statistics), participated in one month “Twenty-Fifth Online Induction Training/Orientation Programme for Faculty members in Universities/ Colleges/ Institutes of Higher Education” under the aegis of Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) organized by the Teaching Learning Centre, Ramanujan College in collaboration with Bareilly College, Bareilly and Hindu College, Moradabad during 21st August to 19th September 2022.
- Dr. Manish Kumar, Asst. Prof. (Agril. Statistics), participated in CAFT Training Programme on “Prominent Statistical Tools for Data Science in Agriculture using R and Python” at ICAR-IASRI, New Delhi during 09-29 November, 2022.
- Dr. Supriya, Asstt. Prof. (Agril. Econ.) attended National Training Program on “Statistical Tools and Techniques for Agricultural Research”.

c) Workshops:

- Dr. Manish Kumar, Asst. Prof. (Agril. Statistics), participated in online workshop on “AI and IOT in Agriculture” organized by National Institute for Micro, Small and Medium Enterprises, Hyderabad, Telangana, during 28-29 July, 2022.
- Dr. Vishal Mehta, Asst. Prof. (Agril. Statistics), participated in online 21 Days National Level workshop on “Excel (Basic to Advanced Level)” organized by ESSGEE DIGISKILLS Learning Centre during September 08-28, 2022.

d) Seminar/Symposium/Webinar

- Dr. S.C. Vimal participated National Seminar, Date 29th April 2023 – Millets (SHREE ANNA) FOR NUTRITION AND FOOD SECURITY organized by Department of Home Science, DDU Gorakhpur University, Gorakhpur & Indian National Trust for Arts & Culture Heritage (INTACH)
- A webinar on “Conserving Soil Biodiversity” was organized by the department of Soil Science and

Agricultural Chemistry, ANDUAT, Kumarganj, Ayodhya on the occasion of “World Soil Day” –5th December, 2022.

- Faculty and students of the Department attended a webinar on “Conserving Soil Biodiversity” in the department of Soil Science and Agricultural Chemistry, ANDUAT, Kumarganj, Ayodhya on the occasion of “World Soil Day” –5th December, 2022.
- Dr. Alok Kumar Pandey from the Department attended a 21-day online training on “Entrepreneurship Orientation Program on Medicinal and Aromatic Plants (EOPMAP-VI)” organized by ICAR-Directorate of Medicinal and aromatic Plants (DMAPR), Anand, Gujarat from 1st to 21st February, 2023.
- Dr. R.K. Doharey attended the National Seminar-2022 10th National Seminar on “Agriculture and More: Beyond 4.0” is scheduled to be held on 26-28, May, 2022 held at Sher-e-Kashmir University of Agricultural Sciences and Technology, Kashmir (SKUAST-K), main Campus, Shalimar, 190025-Srinagar, J&K. India
- Dr. R.K. Doharey attended the ISEE National Seminar-2023 “Evolving Extension Science towards Secondary Agriculture for Sustainable Development” on June, 22-24, 2023 held at University of Agricultural Sciences, Bangalore - Karnataka.

DIGNIFIED VISITORS

1. Sri Pankaj Lakashman Jani, OSD, Hon'ble Governor of U.P. Visited AICRP-IFS block of Agronomy farm on dated 16/04/2022.
2. Monitoring team of ACRIP-IFS, Dr. M. A. Ansari and Dr. Raghvendra K. J., visited AICRP-IFA, A.N.D.U.A.&T., Kumarganj, Ayodhya during 24th to 25th March, 2023.
2. Dr. Sanjay Singh, DG UPCAR

RESEARCH & RESEARCH PROJECTS:

PROJECTS UNDER OPERATIONS: During 2022-23, 31 research projects from state, national and international funding agencies were under operation.



RESEARCH PROJECT PROPOSALS SUBMITTED:

S. No.	Title of the project	Funding agency	Total outlay	Name of PI
1.	Establishment of tissue culture laboratory for micro propagation for Mass Multiplication of Quality Planting Material of Banana for increasing the income of Farmers submitted to State Agricultural Produce Markets Board Lucknow Mandi Parishad	Mandi Parishad	8.7 Crores	Dr. D. K. Dwivedi PI
2.	Enhancement of pulses and oilseed production, Productivity and income of Eastern Uttar Pradesh farmers by upgrading seed production farms.	RKVY	1133.61 lacs	Co- PI Dr. Shambhoo Prasad
3.	Establishment of model seed Testing Laboratory	RKVY	124.385lacs	Co-PI Dr. Shambhoo Prasad
4.	Strengthening of the seed production units for enhancement of productivity, quality, and seed replacement rate for doubling income of the farmers of Uttar Pradesh.	RKVY	460.17 lacs	Co-PI Dr. Shambhoo Prasad
5.	Establishment of seed processing unit to fulfill the demands of quality seed for increasing farmers income	RKVY	372.80 lacs	Co-PI Dr. Shambhoo Prasad
6.	Promotion of natural farming module at University KVKs and farms for increasing the income of farming community of Eastern U.P.	RKVY	119.00	Co-PI Dr. Shambhoo Prasad

ADOPTION OF VILLAGE BY COLLEGE OF AGRICULTURE

Under progressive India programme, a village named Dobhiyara, District-Amethi was adopted by College of Agriculture during 2019-20. Farmers of this village were trained regularly throughout the year for making them self-sufficient under His Excellency Governor's campaign:

Different programmes organized by the college in the adopted village during the Azadi ka Amrit Mahotsava *i.e.* -

- Campaigning to attract the voter in the adopted village for voting.
- Distribution of planting material / plantation campaign was also successfully completed in this village.
- For Beekeeping, Mushroom /fish farming, decomposition of organic waste; livestock production and other Farming related activities.

AGROMET ADVISORY

- The daily recorded agrometeorological data from the Agromet observatory at AMFU-Faizabad, Ayodhya were regularly uploaded on the website

of IMD Pune on the same day.

- During the FAP, Kisan mela and field visit farmers were introduced to the “MEGHDOOT”, “MAUSAM” and “DAMINI” mobile apps and these apps were installed in the smart-phones of the farmers. The stakeholders were also sensitized through various social media platforms to install these apps.
- Apart from this, the agromet advisories and weather outlook have also been published in various daily leading newspapers and broadcasted by local electronic TV channels from time to time.
- Annual success probability (%) of Kumarganj ranged from 70.1 (Cloud cover), 67.2 (Average Temperature), 58.2 (Maximum Temperature), 50.4 (Wind Direction), 38.0 (Average RH), 36.4 (Wind Speed), 35.9 (RH Maximum) and 20.0 (RHmin) respectively.
- Success probability & Usability (%) of cloud cover was (58.1) in kharif season.
- RMSE, Ratio score, POD, FAR, Threat score, HS Score & HK score for entire year of rainfall was

9.0, 80%, 50%, 70%, 10%, 10% & 10% respectively and that for Kharif rainfall was 16.2, 60%, 70%, 60%, 30%, 20% & 30% respectively.

- Five days district level weather forecasts were received on each Tuesday and Friday through e-mail from RMC Lucknow.
- SMS alert for extreme weather events has been sent through Kisan sms portal to the farmer's mobile phones on daily basis.
- District level weather forecasts & agromet-advisories were sent to AIR, Faizabad.

Celebration of Important Days During the Year



Celebration of World Yoga Day

❖ Awards / Recognition

- Dr. Manish Kumar, Asst. Prof. (Agril. Statistics), received Appreciation Certificate from “Journal of Scientific Research”, Rajshahi University, Bangladesh, ISSN: 2070-0237, for peer review contribution to the Journal.
- Dr. Manish Kumar, Asst. Prof. (Agril. Statistics), received Certificate of Excellence in Reviewing from “Asian Journal of Probability and Statistics”, ISSN: 2582-0230, for outstanding review contribution to the Journal.
- Dr. Manish Kumar, Asst. Prof. (Agril. Statistics), received Certificate of Appreciation for working as joint Co-organizing secretary in training program on “Statistical Tools & Techniques for Agricultural Research” organized in ANDUAT, Ayodhya, during 15-16 March, 2023.
- Dr. Vishal Mehta, Asst. Prof. (Agril. Statistics), received Certificate of Appreciation for working as joint Co-organizing secretary in training program on “Statistical Tools & Techniques for Agricultural Research” organized in ANDUAT, Ayodhya, during 15-16 March, 2023.
- Dr. R. K. Doharey received Certificate of Appreciation-2023 for successfully uploading a selfie an initiative by Ministry of Culture, Govt. of India to mark Azadi ka Amrit Mahotsav on 17-02.2023.
- Dr. R. K. Doharey received an Outstanding Teacher Award-2023 for outstanding work done in the field of Extension Education on 28-30, April, 2023 for the occasion “6th Interconal Conference on “Strategies and Challenges in Agricultural and Life Sciences for Food Security and Sustainable Environment (SCALFE-2023)” is on 28-30, April, 2023 held at Himachal Pradesh University, Summer Hill, Shimla, HP, India. is Jointly Organized by The ATDS Society, Ghaziabad, UP, India, Department of Environmental Science, Himachal Pradesh University, Summer Hill, Shimla, HP, India and Shobhit Deemed To-Be-University, Meerut, UP, India.
- Dr. N. R. Meena received an Outstanding Teaching Award-2022 from Society of Agriculture Innovation and Development, Ranchi.
- Dr. N. R. Meena received Scientist of the Year Award-2022 from The Society of Academic Research for Development, Varanasi.
- Dr. N. R. Meena received Best Teacher Award-2022 from ANDUA&T, Kumarganj Ayodhya U.P.
- Dr. Supriya, Asstt. Prof. (Agril. Econ.) 2023. Best Poster Presentation Award. International Conference on Multidisciplinary approaches in Engineering, Science, Agriculture & Social Science organized by Council of Research & Sustainable development, India.
- Dr. Supriya, Asstt. Prof. (Agril. Econ.) 2023. Best Oral Presentation Award. International Conference on Multidisciplinary approaches in Engineering, Science, Agriculture & Social Science organized by Council of Research & Sustainable development, India.
- Dr. S.R. Mishra, HoD, Deptt. of Agril. Meteorology received Best Teacher Award on the occasion of Teacher's day 5th Sept. 2022 by Hon'ble Cabinet Minister Agriculture & VC of ANDUAT.
- Dr. Vinod Singh received an outstanding Achievement Award in 5th National Conference on doubling Farmers Income for Sustainable & Harmonious Agriculture (DISHA -2022. Organized by KNIPSS Sultanpur U.P. during 11-12 June 2022.
- Dr. Piyusha Singh received Women Scientist Award in International Conference in Hybrid Mode on Global Research Initiatives for Sustainable Agriculture & Allied Sciences, at Birsa Agricultural University, Ranchi, Jharkhand, India Nov 21-23, 2022. By Society for Scientific Development in Agriculture and Technology, Meerut, U.P.



COLLEGE OF AGRICULTURE CAMPUS, KOTWA, AZAMGARH

Dr. D.K. Singh, Assoc. Dean

College of Agriculture Campus, Azamgarh is the constituent college of Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya. Beginning of the Agricultural education system in the college campus was started in the academic session 2018-19. Prof. Dharendra Kumar Singh is the Associate Dean of the college. College of Agriculture Campus, Azamgarh provide excellent teaching opportunities to the Undergraduate -B.Sc. (Hons.) Agriculture students. The academic syllabus is followed in college as per the recommendation of ICAR based on 5th Dean's committee.

STUDENTS PROFILE

Under-Graduate Programme:

The students' strength in Azamgarh campus according to category-wise and academic session are as follows:

S.N.	Academic session	SC	ST	OBC	ESW	GEN	Total
1	2019-20	12	1	32	0	11	56
2	2020-21	9	0	27	7	4	47
3	2021-22	8	1	26	5	4	44
4	2022-23	14	1	44	7	4	70
	Total	43	3	129	19	23	217

Teaching, research and extension activities.

Teaching

- Academic Excellence : It is exhilarating to mention for academic excellence that the first three university-rank holders of B.Sc. (Hons.) Agriculture for 2021-22 was hailed from this campus.
- New Degree programme : The university authorities have been approved by Academic Council to commence Post Graduate (PG) degree programme from the upcoming academic year (2023-24) in the Department of Agricultural Economics and Extension Education with an annual intake capacity of a minimum of two students per year in each department.

Research

- Dr. Renu Gangwar submitted project to UPCAR entitled "Impact assessment of Kisan Credit Card (KCC) Scheme on up gradation of living standard of farmers in Eastern Uttar Pradesh".

- Project submitted to "Developing Low Input Climate-Resilient Chickpea involving Participatory Breeding Approaches with a Focus on Heat and Drought Stresses in Eastern Uttar Pradesh"

Extension activities

- College has organized Kisan Mela along with Krishi Vigyan Kendra, Kotwa, Azamgarh under Crop Residue Management (CRM) project ICAR on 15 January, 2023. At this moment the Chief Guest was Sri Dinesh Lal Yadav, Member of Parliament, Azamgarh and Special Guest Hon'ble Vice-Chancellor, Dr. Bijendra Singh ANDUAT, Kumarganj, Ayodhya.



- College of Agriculture, Azamgarh has organized Parthenium awareness week programme from 16-22 August, 2022 with an aim to create Parthenium eradication awareness among the students, farmers and rural people.
- One day gosthi programme was organized under Rural Agricultural Work Experience and Agro-Industrial Attachment (RAW & AIA) programme on 29 September, 2022.



SEMINAR /WORKSHOP /CONFERENCES /TRAINING PROGRAMMES ORGANIZED /ATTENDED

- i. College organized three days training programme on “Personality and Skill Development” for B.Sc. (Hons) Ag 3rd and 4th year students on 21-23 February, 2023. Smt. S. Radhashankran from Smart series, Bengaluru, Karnataka was invited by the University. During this programme, various activities for developing personality and skill communication were performed by the trainer. About 102 students participated in this training programme.



- ii. College has organized two days National Training programme on “Smart Agriculture for Natural resource Conservation” from 15-16 March, 2023. In this training programme, different experts were invited from the different places. About 100 participants including faculty, researchers, students, etc., attended this training programme.
- iii. Dr. Renu Gangwar participated in 5th International conference on advances in smart agriculture and biodiversity conservation for sustainable development (SABCD - 2022) held on 4-6 March, 2022



- iv. Dr. Renu Gangwar participated in DST Sponsored Online MDP on Environmental Leadership and Life Skills held from 13-17 March, 2023 by IIFM Bhopal
- v. Dr. Vinod Kumar participated in Global Symposium on “Soils for Nutrition” organized by Food and Agriculture Organization (FAO) of the United Nations held on 26 to 29 July, 2022.
- vi. Dr. Vinod Kumar actively attended one month online training programme on “Precession Agriculture” organized by Chhatrapati Shahu Ji Maharaj University (CSJMU), Kanpur, ICAR-ATARI Kanpur and ICRISAT, Hyderabad during 15 May, 2023 to 13 June, 2023

STUDY TOUR

- i. The 2nd year students of students of B.Sc. (Hons) Ag I semester 2022-23 from college of Agriculture Campus, Azamgarh went on study tour to various research and educational institutions.



STUDENTS WELFARE: College of Agriculture, Azamgarh has organized Tablet distribution programme under the “Swami Vivakanand Yuva Sashktikaran Yojana” Govt. of Uttar Pradesh for B.Sc. (Hons) Ag students (batch 2018 and 2019) on 22 November, 2022





DAY CELEBRATIONS: College celebrated International Yoga Day, Independence day, Republic day, national Science day, World tuberculosis day etc.

AWARDS

- i. Dr. Renu Gangwar received Best Teacher Award by Acharya Narendra Deva University of Agriculture & Technology Kumarganj, Ayodhya (UP) in 2022.
- ii. Dr. T. Pandiaraj received Young Teacher Award - 2022 conferred by Agriculture and Environmental Technology Department Society, Uttarakhand on the occasion of the 4th International conference held at Forestry, Tribhuvan University, Pokhara Campus, Nepal on 17-19 September, 2022.
- iii. Dr. Prakash Yadav received Young Agronomist Award -2022 conferred by Agriculture and Environmental Technology Department Society, Uttarakhand on the occasion of the 4th International conference held at Forestry, Tribhuvan University, Pokhara Campus, Nepal on 17-19 September, 2022.

DIGNIFIED VISITORS

- i. Dr. G.P. Singh, Regional Director, Integrated Pest Management (IPM), Lucknow visited College of Agriculture, Azamgarh on 05 April, 2022. He interacted with faculty members and final year students of B.Sc. (Hons) Ag. and discussed at length on the various aspect of IPM.
- ii. Hon'ble Vice-Chancellor of Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar Dr. Krishna Kumar visited College of Agriculture, Azamgarh on 07 July, 2022.
- iii. Dr Anurag Yadav, Secretary, Agriculture Education and Research, Uttar Pradesh visited college campus on 15 October, 2022.
- iv. Dr US Gautam, Director, ATARI (Agricultural Technology Application Research Institute-ICAR) Kanpur visited college campus on 08 November, 2022. He interacted with faculty members and discussed about quality education and resolving agricultural problems through innovative research & technology.
- v. Prof. Guru Prasad (Banaras Hindu University) Department of Agriculture Livestock and Milk, Varanasi and Senior Advisor of Cooperative Ministry Govt. of India visited college campus on 18 June, 2023. In an interaction with faculty

members, he stressed upon promoting farmers to include the livestock in Agriculture farming.

- vi. Hon'ble Central Agricultural Minister, Govt. of India, Sri. Narendra Singh Tomar visited Azamgarh District on 28 January, 2023. At this moment, Dean briefly introduced the honourable minister about the achievements of the college, future strategy, teaching quality and village adoption for farmers' welfare etc.



- vii. Hon'ble Agricultural Minister, (Agriculture, Agricultural Education & Agricultural Research) Govt. of Uttar Pradesh, Sri. Surya Pratap Sahi visited Azamgarh on 11 March, 2023.



- viii. Dr Sanjay Singh. Director General and Dr. Sanjeev Kumar, Deputy Director General, UPCAR (Uttar Pradesh Council of Agriculture & Research) Lucknow visited college campus on 21 September, 2022.

COLLEGE OF HORTICULTURE AND FORESTRY

Dr. Sanjay Pathak, Dean

College of Horticulture and Forestry (CHF) located at main campus of A.N.D.U.A.T., Kumarganj, Ayodhya (U.P.) and established in 2006 has presently six departments namely (i) Fruit Science (ii) Floriculture and landscaping (iii) Post-harvest Technology (iv) Vegetable Science (v) Medicinal and

Aromatic Plants (vi) Agroforestry.

Masters degree programme was started in two more departments namely Floriculture & Landscaping and Post-Harvest Management during the session 2022-2023. Presently following degree programmes are running in college.

DEGREE PROGRAMMES

S.No.	Name of degree programme	Discipline
1.	B.Sc. (Hons.) Horticulture (V th Deans Committee)	Horticulture
2.	M.Sc. & Ph. D. (Horticulture) Fruit Science (19 th BSMA)	Fruit Science
3.	M.Sc. & Ph. D. (Horticulture) Vegetables Science (19 th BSMA)	Vegetable Science
4.	M.Sc. & Ph.D. (Forestry) Silviculture & Agroforestry (19 th BSMA) and Ph.D. Agroforestry (18 th BSMA)	Agroforestry
5.	M.Sc. (Horticulture) Floriculture & Landscaping (19 th BSMA)	Floriculture & Landscaping
6.	M.Sc. (Horticulture) Post Harvest Management (19 th BSMA)	Post-Harvest Technology

STUDENTS PROFILE

Details of passed out students during session (2022-2023):

Name of degree programme	No. of students Passed
B.Sc. (Hons.) Horticulture	37
M.Sc. (Horticulture) Fruit Science	10
M.Sc. (Horticulture) Vegetable Science	12
Ph. D. (Horticulture) Fruit Science	05
Ph. D. (Horticulture) Vegetable Science	06
Total	70

Details of enrolled students during the session (2022-2023):

Name of degree programme	No. of enrolled students
B.Sc. (Hons.) Horticulture	220
M.Sc. (Horticulture) Fruit Science	32
M.Sc. (Horticulture) Vegetable Science	30
M.Sc. (Forestry) Silviculture & Agroforestry	09
M.Sc. (Horticulture) Floriculture & Landscaping	04
M.Sc. (Horticulture) Post Harvest Management	04
Ph. D. (Horticulture) Fruit Science	20
Ph. D. (Horticulture) Vegetables Science	16
Ph. D. Forestry (Silviculture & Agroforestry)	08
Total	343



Details of students admitted during session (2022-2023) :

Total 147 students were admitted during session 2022-2023 with the following details:

Name of degree programme	No. of students admitted
B.Sc. (Hons.) Horticulture	83
M.Sc. (Horticulture) Fruit Science	18
M.Sc. (Horticulture) Vegetable Science	17
M.Sc. Forestry (Silviculture & Agroforestry)	06
M.Sc. (Horticulture) Floriculture & Landscaping	04
M.Sc. (Horticulture) Post Harvest Management	04
Ph. D. (Horticulture) Fruit Science	06
Ph. D. (Horticulture) Vegetables Science	07
Ph. D. Forestry (Silviculture & Agroforestry)	02
Total	147

Orientation of Newly admitted students: Newly admitted students of UG, PG degree programme were made well acquainted with rules and regulations of the college/University just after completion of their registration.

TEACHING

I. Course Offered: Total 181 courses were offered in different degree programmes in Ist & IInd semester, session 2022-2023.

II. Experiential Learning Programme (ELP):

In the session 2022-2023, forty-one students of B.Sc (Hons.) Horticulture final year were selected for two areas of specialized training namely processing of fruits and vegetables for value addition and nursery production and management under ELP. Under processing of fruits and vegetables, students went to learn practical processing technology of various seasonal fruits and vegetables regarding their

processing of various products like jam, jelly, murabba, candies, pickles, squash, syrup and RTS for marketing and demonstration purposes. Under nursery production and management, students raised the nursery of fruits, vegetables and flowers and marketed them. At the end of semester, students submitted work report and their performance were evaluated by a committee constituted by the Dean, college of Horticulture and Forestry.

III. Rural Horticulture Work Experience (RHWE):

RHWE programme was organized for B.Sc. (Hons.) Horticulture final year students. Forty one students were registered for programme in the nearby village -Gaura Bara Mau, Sultanpur. In this programme, students thoroughly studied about present status along with social, cultural and farming related activities of farmer as well as village.



Students, Farmers & Scientist Interaction at Farmer's Field and at Panchyat Bhavan during RHWE Programme in village Gaura Bara Mau, Sultanpur

ACADEMIC EXCELLENCE OF STUDENTS

S. No.	Academic Excellence	No. of Students
1.	ICAR-JRF	07
2.	ICAR-SRF	02
3.	ICAR-ASRB-NET	24

RESEARCH PROJECTS

Number of Projects Running (10)	
All India Coordinated Research Projects	06
State Non Plan	02
MIDH	01
DST-SERB	01
Project Sanctioned (5)	
Project under RKVY	04
State Agricultural Produce Market Board, U.P.	01

National level ICAR Plan (75% funded by ICAR):

1. All India coordinated research project on medicinal, aromatic plants and beetle vine.
2. All India coordinated research project on arid zone fruits
3. All India coordinated research project on agroforestry
4. All India coordinated research project on potato
5. All India coordinated research project on spices
6. All India coordinated research project on vegetable crops

State : Non plan (100% funded by Up State Govt.):

1. Production and processing of fruits in usar wasteland scheme.
2. Vegetable research.

MIDH

1. MIDH (Mission for Integrated Development of Horticulture) 100% funded by ICAR/ Central Government

National level project funded by DST-SERB

1. Assessment of determinants of bird assemblages across rural urban gradient in & around selected cities of Uttar Pradesh

Projects sanctioned/under process in the college:

• Adhoc Research Project

1. Demonstration of drip irrigation / fertigation under diversified cropping system - **(Sanctioned under R.K.V.Y. but budget not allocated)**

2. Renovation and establishment of New Polycarbonate green house and net house for nursery production and cultivation.- **(Sanctioned under R.K.V.Y. but budget not allocated)**
3. Strengthening of Horticulture & Vegetable Experiment Stations from protection of stray Cattles.- **(Sanctioned under R.K.V.Y. but budget not allocated)**
4. Establishment of Hi-Tech Floriculture Centre for Strengthening of Research and Development of Entrepreneurship Model: **(Sanctioned under R.K.V.Y. but budget not allocated)**

State Agricultural Produce Market Board, U.P.

1. Establishment of tissue culture laboratory for mass multiplication of quality planting material of banana for increasing the income of farmers

Training: 06

1. Training on cultivation of medicinal and aromatic plants under MIDH - 05
2. Medon par vrikshropan under AICRP Agroforestry - 01

Training Details:

1. Farmers Training held on 07/09/2022 on Anusuchit Jatike Kisano ko Aushadhiya evam Sagandh Paudh ka Vitranavam Jagrukta Goshthi organized by Dr. R.S. Mishra and Dr. C. M. Ojha at Govindpur, Baldirai, Amethi, U.P.- 50 Farmers.
2. Farmers Training held on 07/12/2022 on Masala Evam Sagandh paudh ki kheti se aay me vridhi organized by Dr. R.S. Mishra at Shadipur, Musafirkhana, Amethi, U.P.- 75 Farmers.
3. Farmers Training held on 14/12/2022 on Masala Evam Sagandh paudh ki kheti se aay me vridhi organized by Dr. R.S. Mishra at Tetarpur, Jagdishpur, Amethi, U.P.- 75 Farmers.
4. Farmers Training held on 04/01/2023 on Anusuchit Jan Jati ke Kisano ko Aushadhiya, Sagandh Paudh, Tub ka Vitaran evam Jagrukta Programme organized by Dr. R.S. Mishra and Dr. C. M. Ojha at Pure Nema, Amaniganj, Ayodhya, U.P.- 50 Farmers.
5. Farmers Training held on 29/03/2023 on Masala Evam Sagandh paudh ki Jaivik kheti organized by Dr. R.S. Mishra at Kamakhyadham, Ayodhya, U.P.- 75 Farmers.
6. One Day Training organised by College of Horticulture & Forestry entitled "**Medon par vrikshropan**" on 28February, 2023 for the 60 farmers of Jorium Village, Amaniganj, Ayodhya (U.P.) funded by AICRP (AF), CAFRI, Jhansi.



RESEARCH ACTIVITIES AND ACHIEVEMENTS:

Variety Identified/Released:

Variety identified by ICAR - AICRP and submitted under SVRC for release at state level		Year
Fruit Crops		
Aonla	Narendra Aonla -25 & 26	2022
Bael	Narendra Bael-8,10 & 11	2022
Vegetable crops		
Brinjal	Narendra Suyog (NDB White-1)	2022

PROMISING GENOTYPES IN PIPELINE

Aonla: NA-27, NA-29, NA-31, NA-32, NA-33 and NA-34

Bael: ND/AH-8, ND/AH-9, ND/AH-11, ND/AH-12, ND/AH-16, ND/AH-17, ND/AH-21, ND/AH-22, ND/AH-25, ND/AH-26, ND/AH-27 and NB-19, NB-21, NB-22 and NB-23.

Ber: Narendra Ber Selection-9, Narendra Ber Selection-10, Narendra Ber Selection-11, Narendra Ber Selection-12, Narendra Ber Selection-13, Narendra Ber Selection-14, Narendra Ber Selection-15 and Narendra Ber Selection-16.

Jamun: CISH-J-37, CISH-J-42, and Narendra Jamun-6. Narendra Jamun-7, Narendra Jamun-8 and Narendra Jamun-9.

Coriander: NDCor-11, NDCor-12, NDCor-22, NDCor-32, NDCor-64

Fenugreek: NDM-119, NDM-36, NDM-137, NDM-47, NDM-49

Funnel: NDF-59, NDF-46, NDF-45, NDF-49, NDF-24

Black Cumin: NDBC-20, NDBC-7, NDBC-31

Ajwain: NDAJ-21, NDAJ-34, NDAJ-30, NDAJ-20

INTRODUCTION OF IMPROVED CULTIVARS/HIGH DENSITY PLANTATION:

Introduced following Fruit crops with high density plantation at MES Horticulture

S. No.	Name of fruit crop	Variety	Area/Number	Purposes
1.	Guava	L 49	0.3 acre	Teaching and Research Purposes
2.	Mango	Pusa Arunima, Pusa Surya Pusa Lalima Pusa Pitamber Pusa Shreshtha Pusa Pratibha	20 scion shoot of each cultivar were collected from the IARI, Pusa, New Delhi and propagated on seedling root-stock of mango	
3.	Bael	CISH-Bael, Goma Kirti, Goma Yashi, Thar Divya	06 Plants	
4.	Litchi	Shahi, Bedana, Rose Scented, China, Gandki Yogita, Gandki Lalima, Gandki Sampada	100 plants	
5.	Dragon Fruit	Red pulp	100 plants	
6.	Apple	Anna, Dorset Golden, Hariman-99, Jeromine, Mayan, Mollies Delicious, Vista Bella, Schnico Gala, Ultima Gala, Redlum Gala	217 Plants	
7.	Apple Rootstocks	M.9 and MM.106	130 Plants	
8.	Pear	Punjab Beauty, Punjab Gold, Patharnakh, Nijisseiki, Punjab Nakh, Punjab Nectar	65 Plants	
9.	Peach	Shan-e-Punjab, Saharanpur Prabhat, Florida Prince, Early Grande	48 Plants	
10.	Plum	Black Amritsari, Satluj Purple	24 Plants	
11.	Apricot	Newcastle, EMA	24 Plants	
12.	Kiwifruit	Alison Male and Female	7 Plants	
13.	Walnut	Lara	6 Plants	
14.	Persimmon	Fuyu	5 Plants	
15.	Fig	Dark Brown	10 Plants	

RECOMMENDATIONS:

- As per paddy-mustard based sequence, significantly higher grain yield of paddy variety Sarjoo-52 (2.27 t ha⁻¹) and mustard variety Varuna (1.06 t ha⁻¹) have been achieved as compared to other varieties of paddy and mustard under Dalbergiasissoobased agri-silviculture system.
- As per organic fertilizers based experimentation, the maximum grain yield of paddy var. Sarjoo-52 (2.21 t ha⁻¹) has been obtained with the application of FYM 10 t ha⁻¹ under C. equisetifolia, while higher grain yield of wheat var. NW-5054 (2.18 t ha⁻¹) was recorded by the application of same treatments i.e. 10 t ha⁻¹ FYM under D. sissoobased agri-silviculture system.
- Significantly higher turmeric rhizome yield (7.05 t ha⁻¹ yr⁻¹) has been obtained due to application of 50% recommended dose of T3 50% NPK+50% FYM as compared to other treatments under agri-silvi-horti system.

AWARDS:

Best Centre Award received by College of Horticulture and Forestry from AICRP on Arid Zone Fruits,

HORTICULTURE AND AGROFORESTRY FARMS AT A GLANCE



Casurina equisetifolia based Agroforestry Systems at MES Agroforestry

ACTIVITIES IN ADOPTED VILLAGE (PRAGASHKAPURVA/DILIGIRDHAR)

- TB Awareness Programme- Patients of TB were given the food packets alongwith packets of haldi& seedlings of medicinal plants.
- Yoga Day Awareness Programme- Before celebrating yoga day, on 20 June, villagers were made aware and were motivated about health benefits of yoga abhyaas and its importance.
- Yoga Day Programme- On 21 June 2022 Yoga Abhyaas was done under the leadership of Dean, CHF with faculty members in village.

- Har Ghar Tiranga Programme
- Meri Maati Mera Desh Programme
- Plantation Programme
- Plantation on Independence day

PUBLICATION: 2022-23

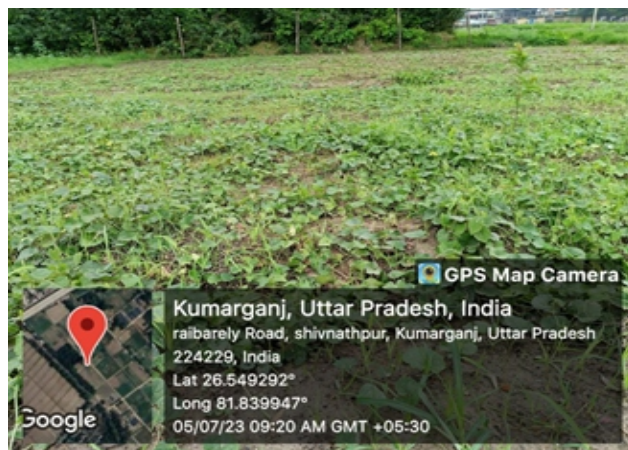
Research papers	43
Books/Booklets	13

PLANTATION AND BEAUTIFICATION:

Plantation: 7800 plants of fruit, forestry and ornamental tree were planted by Hon'ble Governor, Agriculture Minister, Vice Chancellor of the University, senior dignitary of central and state govt., scientist and staff members of this university.



Preparation of nursery beds & filling of polybags for seedlings transplanting by UG Students



Pointed gourd at MES Vegetable Science

OTHER ACTIVITIES

- Turmeric seed NDH-1 distributed to the 70 SC farmers of Meen Nagar village, Dariyabad block.



- Mango, Teak and Karonda seedlings and Vegetable Seeds were distributed to more than 100 SC farmers of Meen Nagar village, Dariyabad block.
- One Day Training organised entitled **“Medon par vrikshropan”** on 31 March, 2022 for the 60 farmers of Jorium Village, Amaniganj, Ayodhya (U.P.) funded by AICRP (AF), CAFRI, Jhansi.
- One day farmers awareness training programme on **Har Med Par Ped** organized at Sidhauna village on 28.02.2023 under AICRP Agroforestry.
- Distribution of medicinal plants to ST farmers.

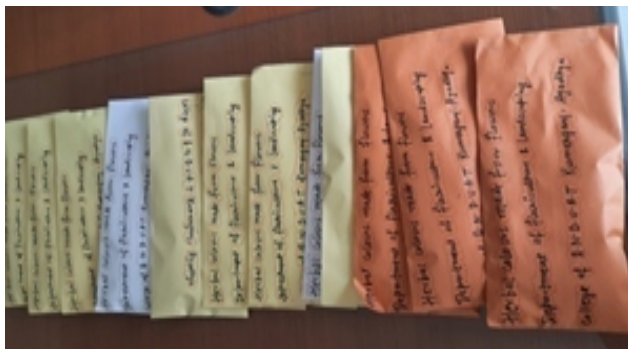


Distribution of medicinal plant sapling to the ST farmers at village-Nema ka Purva, Ayodhya

■ Preparation of herbal colours



Drying of flowers



Packing of herbal colors for distribution

■ Participation at State level Flower, Vegetable and Fruit Exhibition at Rajbhawan, Lucknow



Hon'ble Governor, Uttar Pradesh discussing with university scientists at stall during State level Flower, Vegetable and Fruit Exhibition at Raj Bhawan, Lucknow on dated 17 February, 2023

COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY

Dr. P.S. Pramanik, Dean

The College of Veterinary Science & Animal Husbandry, since its establishment on 26th March 1999, is tirelessly working for the better livelihood of the farmers of the Eastern Uttar Pradesh by providing its technical expertise for the genetic improvement of livestock and poultry, better animal health and extension services.

College follows the minimum standards set by Veterinary Council of India for B.V.Sc. & A. H. education, as it is mandatory for a Veterinary College to maintain equality and standard of curriculum across India. The departmental setup of college comprise of seventeen departments including one instructional livestock farm complex (dairy farm) and one veterinary clinical complex (Veterinary polyclinic). A total of 12 Professors, 09 Associate Professors and 25 Assistant Professors comprise the core faculty of the college. These well learned and up-to-date faculties shape the budding veterinarians of the college by providing best quality teaching and counseling. The academics of college are also supported by 130 non-teaching employees.

STUDENTS PROFILE

Students enrolled during 2022-2023

BVSc First Year	BVSc Second Year	BVSc Third Year	BVSc Fourth Year	BVSc Fifth Year	MVSc	PhD
82	83	50	49	51	34	13

UNITS MAINTAINED AT DEPARTMENT OF LIVESTOCK FARM COMPLEX

S. No.	Species	Breed	Number
1.	Buffalo	Murrah	53
2.	Cattle	Sahiwal, Tharparkar & H.F. Cross	149
3.	Goat & Sheep	Barbari, Sirohi & Muzzafer nagari	94
5.	Pig	Large White Yorkshire	33
6.	Poultry	RIR & Kadaknath	676

RECEIPT GENERATED

Total receipt generated Rs. 40, 94,620.00 (Rupees Forty Lacs Ninety Four Thousand Six Hundred Twenty Only) by Livestock Farm Complex

Department through sale of various items like Milk Coupon, Livestock and FYM etc.

NATIONAL SYMPOSIUM ORGANIZED

- The College of Veterinary Sciences and Animal husbandry organized 2nd Annual Convention of Veterinary Internal and Preventive Medicine society and National Symposium on “Innovations in Veterinary Medicine: Present status and futuristic implications” on 6th and 7th May 2022”. A total of 167 delegates attended the symposium. It was emphasized upon increasing the use of latest diagnostic interventions for prompt diagnosis and treatment to exploit the production potential of animals. The increasing threat of antibiotic resistance was discussed and it was stressed upon for judicious use of antibiotics and checks their indiscriminate use. New alternate therapeutic modules and their applications in field were discussed in length and it was emphasized to exploit the alternate therapeutic modules. The threat of emerging diseases were also discussed and “One health” approach was emphasized.





TRAININGS AND WORKSHOPS ORGANIZED

- Three days training cum workshop on “An Introduction to Farriery” organized by Department of Veterinary Medicine in collaboration with Brooke India from 26th to 28th July 2022, under ICAR-NAHEP-Innovation Grant Project. A total of 72 students got the training. Dr Sarita Negi, Team Leader Extension and training, Brooke India and Mr Rakesh, Master trainer Farriery, Brooke India, were the resource person.

Training for MAITRI (Multipurpose Artificial Insemination Technician in rural India)

S. No.	Name of the activity	Date	Other details
1.	Training for MAITRI (Multipurpose Artificial Insemination Technician in rural India) under Rashtriya Gokul Mission	06.09.2022 to 05.10.2022	Mandate of training is to increase coverage of AI in Uttar Pradesh. Funding agency is UPLDB, Lucknow
2.	Training for MAITRI (Multipurpose Artificial Insemination Technician in rural India) under Rashtriya Gokul Mission	12.12.2022 to 11.01.2023	Mandate of training is to increase coverage of AI in Uttar Pradesh. Funding agency is UPLDB, Lucknow

Training on “Advancement in Healthcare Management of Cattle”

The Department of Veterinary Medicine, College of Veterinary Science & A.H. organized 4 days training on “Advancement in Healthcare Management of Cattle” in collaboration with Animal Industry Data Korea Co. Ltd. as a part of AZADI KA AMRIT MAHOTSAV from 10th August to 13th August, 2022. Team from Animal Industry data Korea co.ltd. – Mr. Chen Park, Director & Head Global Business Development, Dr. Jaafri Chew, Cattle microbiology research head Korea, Dr. Sui Kim, Veterinary Scientist and Sri Suneel Kumar Mishra, Head, India Business- shared their experiences with students and briefed them about artificial intelligence and its application in Life Stock Development. The training was attended by 78 students.



Visit of a Team of Korean Veterinarians in Aug 2022

Two-day workshop on "Advances in Clinical Diagnostic Techniques"

A two-day workshop on "Advances in Clinical Diagnostic Techniques" was organized by Department of Veterinary Clinical Complex, College of Veterinary Science & A.H. with financial assistance by NAHEP-IG project, from 16-02-2023 to 17-02-2023. The training was attended by a total 65 students (B.V.Sc.&A.H., Final year, PG and Ph.D.). Trainees were imparted hands on training on different diagnostic techniques. A book was also released during this training.



- **Workshop on "Development of Soft Skills for Entrepreneurship among Agri Graduates"**

A one-day workshop on "Development of Soft Skills for Entrepreneurship among Agri Graduates" was organized under the NAHEP-IG project in collaboration with the National Agricultural Higher Education Project Comp 2A ICAR-NAARM, Hyderabad, on February 27, 2023 by Department of Veterinary Clinical Complex, College of Veterinary Science and Animal Husbandry. Total 100 students from College of agriculture, Veterinary Science, Community Science, Fisheries and Horticulture and Forestry) participated in this training programme. The students were given training on communication skills for career development, team work and team building, innovations and startups and support for entrepreneurship for agri graduates and were also shown videos of success stories of Agri graduates turned entrepreneurs.

- **Training on "Scientific Goat Farming"**

A three days training on "Scientific Goat Farming" was organized by the Department of Veterinary Microbiology, College of Veterinary Science & Animal Husbandry in collaboration with Purvanchal Gramin Sewa Samiti (PGSS), Gorakhpur, Uttar Pradesh from 13-15 February, 2023. In this training, total 30 farmers from disabled, weaker section, marginal and small farmers from different blocks of Gorakhpur district, participated. Scientific lectures were delivered by different Scientists and Professors on different topics and trainees were also brought to field visit for practical exposure covering holistic approach aspect of Goat Farming.

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Training on Scientific Goat Farming

- Three days training program for 16 paravets funded by Purvanchal Gramin Sewa Samiti (PGSS), Gorakhpur was organized by Department of Veterinary Pharmacology from 20-22 March 2023.
- One day workshop on "Identification of snake, bite treatment and importance of snakes in ecosystem," was organized by Department of Veterinary Parasitology on 1st October 2022 on the occasion of wild life week. In this workshop, around 200 participants including teachers, students and staff of the college of Veterinary Science participated.
- Under the RKVY project, Department of Veterinary Parasitology organized four training programmes each of two days duration for field Veterinarians (13th to 14th March 2023 & 15th to 16th March 2023) and for paravets (17th & 18th March 2023 & 20th to 21st March, 2023). In these training programmes, total of 200 trainees



including 100 veterinarians and 100 paravets, participated where they were updated regarding the latest diagnostic techniques and control of parasitic diseases in Eastern Uttar Pradesh.

HEALTH AND INFERTILITY CAMP

A health and infertility camp was organized by the college of Veterinary Science and AH on 3rd March 2023 in collaboration with Intas Pharmaceuticals at Sooroan village.

FREE RABIES VACCINATION CAMP

College of Veterinary Science and Animal Husbandry organized a free rabies vaccination camp at its Teaching Veterinary Clinical Complex and Gokul Pet Clinic at Ayodhya on 24-09-22 and 28.09.22 respectively to commemorate World Rabies Day. The dogs were thoroughly examined and administered with anti-Rabies vaccine. The owners were given health tips and were also apprised of on precautions to be taken for prevention of Rabies.



Free rabies vaccination camp

LUMPY SKIN DISEASE AWARENESS PROGRAMME:

The Department of Veterinary & Animal Extension Education organized Lumpy Skin Awareness programme in Bawa, Jorium and Akama villages. Livestock owners were apprised of measures for the prevention of the lumpy diseases in their livestock.

EDUCATIONAL TOUR OF STUDENTS

• Visit of students to lucknow zoo

The IV year BVSc & AH students visited the Lucknow Zoo on 30th September, 2022. The students were given training on restraining of wild animals, use of dart guns and other instruments and equipments used in immobilization of free range and captive wild

animals. The training was imparted by master trainers Dr Bijendra Mani Yadav, Veterinary Officer, Lucknow Zoo, Dr Ashok Kashyap, Veterinary Officer Lucknow Zoo and Dr Utkarsh Shukla, Deputy Director Zoo. The students visited the information center and were briefed about the diseases and feeding of wild animals.

• Visit of students to DUVASU, Mathura

The Ist year B.V.Sc. & A.H. students visited Mathura Veterinary University



VISIT BY INSTITUTIONAL ANIMAL ETHICAL COMMITTEE

Institutional Animal Ethical Committee esteemed members Dr D S Upadhyay, Dr Alok Shukla and Dr Atul Barnwal inspected the laboratory animal house facilities at College of Veterinary Science & AH on 28.09.22 and also reviewed the Research proposals submitted by the research scholars.



Visiting members of IAEC

AWARDS:

- **Dr. A.K. Gangwar**, Professor and Head, Department of Veterinary Surgery and Radiology; Dean College of Fisheries received the **Associate**

Fellow award from the prestigious academy, **National Academy of Veterinary Sciences (India)** in the XX convocation – cum – scientific convention on '**Restructuring veterinary education, research & extension for enhancing livestock & poultry production to boost the GDP**' jointly organized by NAVS (I), New Delhi, Maharashtra Animal & Fishery Sciences University, Nagpur & Nagpur Veterinary College, Nagpur during June 20 – 21, 2022.

- **Dr J.P. Singh and Dr Satyavrat Singh**, Associate Professors in Department of Veterinary Medicine were conferred with **Dr B P Joshi recognition award** by Veterinary Internal and Preventive Medicine Society.
- **Dr J P Singh**, Professor in Department of Veterinary Medicine was awarded best paper presentation award in 3rd Annual Convention of Veterinary Internal and Preventive Medicine Society.
- **Dr. V. K. Pal**, Department of Veterinary Parasitology, C. V. Sc. & A. H. ANDUAT has received "SMT SARASWATHI ANANDAN BEST PhD THESIS AWARD" -2021-22 on the occasion of 31st NCVP-IAAVP, Bhubaneswar Odisha.
- **Dr. P. Rai Oration Certificate** for lead paper presented to **Dr Naveen Kumar Singh** during 2nd Annual Convention of Veterinary Internal and Preventive Medicine Society and National Symposium on "Innovations in Veterinary Medicine: Present status and futuristic implications" on 6th and 7th May, 2022, organized by Department of Veterinary Medicine, C.V.Sc.& A.H., ANDUAT, Kumarganj, Ayodhya, U.P.



Dr A K Gangwar receiving award Associate fellow



Dr.V.K. Pal receiving best PhD thesis award

PARTICIPATION OF STUDENTS IN SYMPOSIUM

Undergraduate students (09) participated in International conference on Advancing Veterinary Dermatology Practice, Education, and Research in Developing countries and Inaugural convention and satellite symposium of the Association of Veterinary Dermatology, India & Dermatology Case conferences for students and practitioners on 9-11 June 2022 which was organized by Department of Veterinary Clinical Medicine, Madras Veterinary College, Tamil Nadu Veterinary and Animal Sciences University. Students presented the case studies on dermatology. The college of Veterinary Science & Animal Husbandry, Ayodhya got appreciation award for promoting students to present their case in International Conference.

STUDENTS ACHIEVEMENT IN QUIZ COMPETITION

Two students of the college got **first Runner-up** position in North Zonal level Veterinary Physiology Quiz competition which was organized at RGSC, Banaras Hindu University, Barkachha, Mirzapur on 02 March, 2023.

IMPORTANT DAYS CELEBRATED

- **World Veterinary Day:** College of Veterinary Science and Animal Husbandry, Kumarganj, Ayodhya celebrated world veterinary day on 30-04-2022. The students organized an awareness drive to draw attention on welfare issues of animals. The theme of world day this year was "Strengthening Veterinary Resilience"
- **Egg day:** On the occasion of World Egg Day, college organized egg painting competition on topic "Role of egg in nutritional security" on 14.10.2022.

NUMBER OF RADIO/TV TALK : 14
DELIVERED

PUBLICATIONS:
Research Articles 27
Books 04



COLLEGE OF FISHERIES

Dr. A. K. Gangwar, Dean

The College of Fisheries came into existence in the academic year 2006-07 with the financial assistance of State Government of Uttar Pradesh and Indian Council of Agriculture Research (ICAR), New Delhi. At present, seven departments viz. Aquaculture, Fisheries Resource Management, Aquatic Animal Health Management, Aquatic Environment Management, Fish Processing Technology, Fisheries Engineering and Fisheries Extension, Economics and Statistics have been functioning in the College. The College offers Bachelor of Fisheries Science (B.F.Sc. Hons.) and M.F.Sc. degree programme in two departments; Department of Aquaculture and Department of Fisheries Resource Management.

The students are getting admission through Uttar Pradesh Combined Agriculture and Technology Entrance Test (UPCATET). As per the recommendations of Vth Dean's Committee of ICAR, the qualification for admission is 10+2 in Science-Biology/Agriculture as their basic subjects for B.F.Sc. programme and B.F.Sc. degree for admission in M.F.Sc. programme. For B.F.Sc. (Bachelor of Fisheries Science), The recommendations of Fifth Dean's Committee of ICAR are being followed whereas The post graduate programme is running following the guidelines of BSMA.

STUDENTS STRENGTH:

The students are the jewels for any educational institutes. At present, the college of Fisheries has an intake capacity of thirty-one (31) students in B.F.Sc. and Sixteen (16) students in M.F.Sc., eight each in Departments of Aquaculture and Fisheries Resource Management. The total number of students in the college in the academic year 2022-23 was 92.

Degree Programme	Total Students	Category wise		
		UR	OBC	SC/ST
B.F.Sc.	85	27	38	20
M.F.Sc. (Aquaculture)	03	1	-	2
M.F.Sc. (Fisheries Resource Management)	04	1	1	2

ESTABLISHMENT OF ORNAMENTAL FISH UNIT

The College has a fully functional Ornamental Fish Unit. Many indigenous and exotic ornamental fish species are exhibited in the aquarium tanks and practical classes and research studies on breeding of ornamental fishes are being conducted. Recently, the ornamental unit has been visited by Hon'ble Fisheries Minister of Uttar Pradesh and the minister appreciated the facility available for the student's research.



STUDENT'S DEVELOPMENT:

The new students admitted to the University are first introduced to the various rules and regulations and semester system through orientation programme. The students are also advised to participate in social, cultural, extra-curricular and sports activities during their studies. A brief of these activities are as follows:

a. Involvement in Societal development Programme

The college faculty and students are actively involved in various societal development programmes. As per state government's out reach programme, College of Fisheries celebrated National Women's Day on 13th February, 2023 to make the people sensitised on the role of women in indian society and their importance in socio-economic upliftment. Plantation were also be done at adopted village Gadoli, Ayodhya. Various other programme, "Har Ghar Tirnaga" and "Azadi ka Amrit Mahotsav" were conducted in the village.



Har Ghar Tiranga Karyakram at Gadoli

As per the State Government mandate, the Dean and faculty of College of Fisheries, arranged a programme for the distribution of tablets to the student of the College to make easily access the learning material and boost their confidence in studies.

The “Cleanliness Campaign” was also organized to maintain green and clean environment in the campus of the College as well as the University. Students of College of Fisheries participated in the cleanliness programme.

b. Extra-Curricular Activities

The College Organized different extra-curricular activities on occasions of Republic Day, Mahatma Gandhi Jayanti, Acharya Narendra Deva Jayanti and Independence Day. The students bagged many accolades in different college and university level cultural and literary competitions including Elocution, Painting, Rangoli, Extempore, Poster, Seven slides and Quiz.



A view of Posters and rangoli competition organized for the students in College of Fisheries

a. Fish Seed Ranching Programme:

On 21 November 2022, on the occasion of World Fisheries Day, seedlings of Indian Major Carps were released in adopted village Gadoli, Ayodhya in the presence Dean, College of Fisheries, faculty and students of ANDUAT, Kumarganj, Ayodhya.



Fish seed ranching in the community pond of the adopted village Gadoli on the occasion of “World Fisheries Day”

RESEARCH

On-going Projects

- A project entitled “Development of suitable module to harvest the optimum potential of fish production in sodic soil of Uttar Pradesh” funded by UPCAR Lucknow is ongoing presently.
- A project been running under R.KVY Scheme of I.C.A.R for fish farm modernization.

PUBLICATIONS:

Number of Research Articles during 2022-23 : 6

PLACEMENTS:

The alumni of this College Dr. Sanjeev Kumar and Mr. Hariom Verma were selected as SMS in KVKs of the University; Dr. Shashank Singh, Mr. Pradip Kumar Maurya and Dr. Jyoti Saroj were selected as Asstt. Professor in the College of Fisheries of the University; and Dr. Jag Pal was selected as SMS in



KVK of Dr. Rajendra Prasad Central Agriculture University, PUSA, Samastipur, Bihar and Dr. Narendra Verma was selected as Assistant Professor in Bihar Animal Science University, Patna, Bihar. Alumni of the college Dr. Munish Kumar, Mr. Rahul Pal and Mr. Deepansu were selected as Assistant Director of Fisheries, Government of Uttar Pradesh. The students who have been passed out are also working in different sectors like corporate, banks as Specialist Officers, private companies, executives, farm managers, JRFs, SRFs, RAs, Teaching Associates, Guest Faculty, Fisheries Inspectors, Fisheries officers, Assistant Directors, etc. In other versatile sectors, some students have been giving their services as Teachers, ARS Scientists and SMSs. Some students are also engaged as entrepreneurs in fish and shrimp aquaculture.

MOU



Signing M.O.U between A.N.D.U.A&T, Kumarganj and N.B.F.G.R (ICAR) Lucknow on 24.09.2022

STUDENTS-CORPORATE INTERACTION:



Virbac Animal Health Company- Students' interaction programme on 10-5-2022

DIGNIFIED VISITORS



Visit of Dr. J.K. Jena (DDG, Fisheries, ICAR) and Dr. K. K. Lal (Director, ICAR-NBFGR) at College of Fisheries on 24.09.2022



Visit of Hon'ble Fisheries Minister Dr. Sanjay Nishad on the occasion of Farmers fair on 18.03.2023.



Visit of Fisheries laboratory by distinguished guest Dr. E.Vivekanandan on 04.03.23

WEBINAR/TRAINING PROGRAMME ORGANIZED



National Webinar on the occasion of “World Wetland Day” on 02.02.2023



Three-Day training programme (2-4 March 2023) was organized for students and faculty of College of Fisheries.

STUDY TOUR



Students were on a study tour at ICAR-NBFGR, Lucknow on 17.02.23

BEST STALL AWARD AT KISAN MELA AT ANDUAT MAIN CAMPUS



Faculty and students with the Best Stall Award in the Kisan Mela



MAHAMAYA COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY

Er. R J Singh, Dean

The Mahamaya College of Agricultural Engineering and Technology (MCAET), Ambedkar Nagar is located about 52 km away from Ayodhya on Ayodhya-Ambedkar Nagar National highway (NH 30) near "Shiv Baba" a religious place. The campus comprises the college buildings, boys' hostels, girls' hostel, guest house and residential buildings for faculty members and support-staff.

Degree Programmes

The under graduate teaching Programme includes B.Tech. in Agricultural Engineering, Mechanical Engineering, and Computer Science & Engineering. The post graduate teaching program is offered in M. Tech. Agriculture Engineering in Soil and Water Conservation Engineering, Farm Machinery and Power Engineering, Processing and Food Engineering and Irrigation and Drainage Engineering.

Students Strengths:

Number of Students in 2022-23

Undergraduate Programmes					
Stream/Year	First Year	Second Year	Third Year	Fourth Year	Total
B. Tech (Agricultural Engineering)	08	26	22	23	79
B. Tech (Mechanical Engineering)	01	00	00	04	05
B. Tech (Computer Science & Engineering)	11	00	00	07	18
Postgraduate Programmes					
Stream/Year	First Year	Second Year	Total		
Soil and water Conservation Engineering	03	01	04		
Farm Machinery and Power Engineering	03	01	04		
Processing and Food Engineering	00	02	02		
Irrigation and Drainage Engineering	00	00	00		

2. Teaching, Research and Extension Activity in 2022-23:

Teaching:

- **Orientation of Freshers:** Newly admitted UG and PG students were welcomed to the college and introduced to the faculty members and staff. They were acquainted well with rules and regulations of the college / University just after completion of their registration. A fresher's party was organized on by senior students to welcome the newly admitted students.
- **Courses Offered:** In UG Programme, total 54 courses with 177 Credit hours were offered in 1st Semester and 54 Courses 160 Credit hours were offered in 2nd Semester for Session 2022-23. For PG Programme 24 courses with 70 credit hours were offered in 1st Semester and 13 courses with 50 credit hours were offered in 2nd Semester for Session 2022-23. The classes were regularly conducted as per University norms.
- **Engagement of Guest Faculty:** Total of 12 Guest Faculty comprising 02 in Mechanical Engineering, 02 in Computer Science & Engineering, 02 in Agriculture Engineering, 01 in Electrical and Electronics Engineering, 01 in Chemistry and, 01 in English, 01 in Physics were engaged for teaching in 1st Semester as well as 6 Guest Faculty comprising 02 in Mechanical Engineering, 02 in Computer Science & Engineering, 01 in Mathematics and 01 in Electrical and Electronics Engineering were engaged in 2nd Semester, Session 2022-23. Besides, some other courses like Soil Science, Agronomy, and Horticulture were taught by the faculty available from Main Campus, Kumarganj.
- **Students Project Report:** Students of final year B. Tech. (Agricultural Engineering / Mechanical Engineering / Computer Science & Engineering) submitted the project reports followed by Power Point Presentation and Viva-Voce. M. Tech. Theses were submitted and theses seminars and viva-voce were conducted for PG students.

● **Ready Program:**

S.No.	Program	Courses No.	Course Title	Year	Credit Hours
1	B.Tech. AE	READY-311	Skill Development Training -I	3 rd	5(0+5)
		READY-411	10 Weeks Industrial Attachment / Internship (Student-READY)	4 th	10(0+10)
		READY-412	10 Weeks Experiential Learning on campus (Student-READY)	4 th	10(0+10)
		READY-413	READY Skill Development Training -II (RSDT-II)	4 th	05(0+5)
		ET-411	Educational Tour	4 th	2 (0+2)
		READY-421	Project Planning and Report Writing	4 th	10(0+10)
2	B.Tech. ME	TME-415(A)	Project-(A)	4 th	2 (0+2)
		TME-415(B)	Project-(B)	4 th	4 (0+4)
3	B.Tech. CSE	TCP-415(A)	Project-(A)	4 th	2 (0+2)
		TCP-415(B)	Project-(B)	4 th	4 (0+4)
Total Credit Hrs.					54 (0+54)

- **Degree Awarded :** The 24th convocation was held on 12th January, 2023 and out of a total of 36 students, 20 students were awarded degree of B.Tech. in Agricultural Engineering, 9 students were awarded degree of B.Tech. in Mechanical Engineering and 7 students were awarded degree of B.Tech. in Computer Science & Engineering.
- **New Courses:** The Doctoral program is approved by Academic Council for PhD. in Soil and Water Conservation Engineering, Farm Machinery and Power Engineering, Processing and Food Engineering and Irrigation and Drainage Engineering and a post graduate teaching program is approved by Academic Council for M. Tech.

Agriculture Engineering in Renewable Energy Engineering.

RESEARCH:

Research Project Submitted: - During year 2022-23, total five research project were submitted to UPCAR, Lucknow, UP Higher Education and Council of Science & Technology U.P.

Project Proposal Submitted

S. No.	Funding Agencies	Number
1	UPCAR, Lucknow	02
2	UP Higher Education	02
3	Council of Science & Technology U.P.	01

Project proposal Submitted to UPCAR, Lucknow

S. No.	Title of project	Name of PI and Co-PI	Cost of Project (Rs. in Lac)
1.	Impact assessment and economic analysis of various straw management machinery & practices in Eastern Uttar Pradesh	Dr. Pramod Kumar Mishra, Dr. S K Pandey, Dr. Anil Kumar Singh, Dr Neeraj Kumar Singh, Dr Paul Arjun Sanjay	25.00
2.	Development of a protocol for the utilization of surplus agricultural crop waste as fuel through torrefied pelletization	Dr. Paul Arjun Sanjay, Dr. Pramod Kumar Mishra, Dr. Manish Kumar	25.00

Project proposal Submitted to UP Higher Education

S. No.	Title of project	Name of PI and Co-PI	Cost of Project (Rs. in Lac)
1.	Establishment of Computer Aided Designing (CAD)/ Computer Aided Manufacture (CAM) Center for Training of Students / Small Entrepreneurs	Dr. Pramod Kumar Mishra, Dr. Manish Kumar, Dr. Shivam and Dr. Paul Arjun Sanjay	845.64
2.	Establishment of Geo-informatics and Precision Agriculture Facility	Dr. Shivam, Dr. D. K. Singh, Dr. Vikas Kumar Singh, Dr. Pramod Kumar Mishra	744.54



Project proposal Submitted to Council of Science & Technology U.P.

S. No.	Title of project	Name of PI and Co-PI	Cost of Project (Rs. in Lac)
1.	Design and development of biochar production unit	Dr. Paul Arjun Sanjay, Dr. Pramod Kumar Mishra	1.00

Ongoing Project Approved by UPCAR, Lucknow and RKVY

S. No.	Title of project	Name of PI	Cost of Project (Rs. in Lac)
1	Cleaning system for small scale solar PV system	Dr. Pramod Kumar Mishra	21.05
2	Establishment of Solar Park and Solar Tree for promoting Farmers/Small Entrepreneurs	Dr. Pramod Kumar Mishra	400.00
3	Development of Different Crop Residue Management Practices	Dr. Pramod Kumar Mishra	320.00
4	Regional Cooperation for freshwater ecosystem management in Indian Himalayan Region	Dr. Shivam	73.60

EXTENSION ACTIVITIES :

- Scientists of MCAET actively participated in Kisan Melas at Main Campus Kumarganj and also participated in Ghosthi organized at block levels of Distt. Ambedkar Nagar.

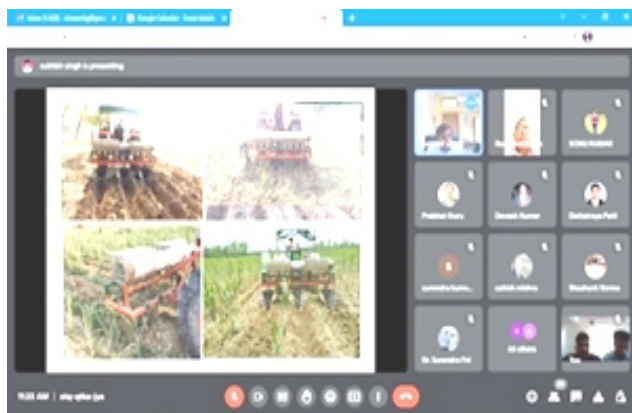
Name of the programme and place	Date(s)	No. of participants
District Level Kisan Mela at KVK, Ambedkar Nagar	04.11.2022	More than 300
National Energy Conservation Day at Village-Banwa, Kumarganj	14.12.2022	More than 100
One Day Oilseed Kisan Mela, at Lohiya Bhawan, Ambedkar Nagar	15.12.2022	More than 500
Technology demonstrations and exposure visit of students from GGIC, Ambedkar Nagar at MCAET, Ambedkar Nagar	23.12.2022	More than 50
State Level Kisan Mela and Udyog Pradarshani-2023 at ANDUAT, Kumarganj, Ayodhya	17-18, March 2023	More than 2000
Popularization of UPCATET-2023	28.04.2023	More than 500
कृषक वैज्ञानिक संवाद एवं गोष्ठी, कृषि विज्ञान केंद्र, पांती, अम्बेडकरनगर	21.06.2023	More than 100

List of extension publications

- S K Pandey and P K Mishra 2022. मिट्टी रहित: टिकाऊ खाद्य उत्पादन की दिशा में एक नया दृष्टिकोण। पूर्वांचल खेती, वर्ष : 33, अंक 6 pp. 25-26.

3. Seminars, conferences, symposia, workshops etc.: 03

S. No.	Title of Seminars/ Symposia/Course/ Workshop	Place of Seminars/ Symposia/Course/ Workshop	Date & Duration
1	National Webinar on Climate Change and Sustainable Agriculture Management	MCAET, Ambedkar Nagar	March 24, 2023
2	National Webinar on Sustainable and Smart Agriculture	MCAET, Ambedkar Nagar	April 06, 2023
3	Personality Development and Soft Skill Training Program	MCAET, Ambedkar Nagar	March 13-15, 2023



National Webinars



Personality Development and Soft Skill Training Program

RESEARCH PUBLICATIONS AND BOOKS:

S.No.	Particular	Number
1	Research Articles	14
2	Books and Book Chapters	06

STUDENTS PERFORMANCE IN NATIONAL EXAMINATIONS:

S. No.	Name of Examination	Number of Students qualified
1	ICAR JRF	03
2	NET	02
3	Govt. Sector	02

STUDENTS WELFARE

- **Scholarship:** The students of our college avail their scholarship from Samaj Kalyan Vibhag (UP Government) and ICAR New Delhi.
- **Hostel Accommodation:** All the students from various streams were provided residence in the campus itself. Out of 111 total students; 108 boys

were accommodated in Boys' hostel and 19 girls were accommodated in Girls' Hostel available in the campus. Anti-Ragging squads were constituted at Campus level to prevent any kind of ragging practices in the campus.

- **Library services:** Library is well equipped with 3424 books and 39 Book Shelves to store books. Several newspapers, magazines, and periodicals have also been subscribed for the benefit of students.
- **Students placement:** A number of students have been placed in various reputed organization like Banks (PSUs), Tractor Company and Irrigation Equipment Manufacturing Company, Ordinance Factory and Software Companies etc. Further, a number of students have also gone for higher education like M.Tech Programmes in reputed Institutions all over India. The details of placement are given below:-
- **Placement of Student during (2022-23)**

S.No.	Name of Student	Sector
1.	Vaibhav Singh	Computer and I.T
2.	Nishta Gautam	Computer and I.T
3.	Shivam Dubey	Tractor Industry
4.	Ambikesh Yadav	Tractor Industry

- **Games and Sports:** Students play Cricket and Volley Ball at college level in available facility. In this academic session, students of MCAET Ambedkarnagar also participated in various sports at university level at the annual sports meet and won laurels for the college.
- **Extra-Curricular Activities:**
- Fresher's Day was organized at MCAET Ambedkarnagar.
- Yoga Day was celebrated.
- Engineer's day and Vishwakarma Puja were celebrated.
- Gandhi Jayanti/ Shashtri Jayanti/ Sardar Ballabh Bhai Patel Jayanti/Acharya Narendra Dev Jayanti were celebrated.

- **Tablet Distribution under Digi-Shakti Scheme**
The Uttar Pradesh government distributes the tablets to the final year student which aims to introduce digital knowledge among the students.



Tablet Distribution under Digi-shakti Program: An Initiative by Govt. of India to enhance the quality of technical education

- An educational tour of B.Tech. (Agricultural Engineering) fourth year students**

An educational tour of B.Tech. (Agricultural Engineering) fourth year students of Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar went to Govind Ballabh Pant University of Agriculture & Technology, Pantnagar, ICAR-Indian Institute of Soil & Water Conservation, Dehradun, ICAR-Directorate of Coldwater Fisheries Research, Bhimtal, Uttarakhand, ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly during 5th to 13th January 2023.



An educational tour of B.Tech. (Agricultural Engineering) fourth year students

COLLEGE OF COMMUNITY SCIENCE

Dr. Sadhana Singh, Dean

The College of Community Science was established as Department of Home Science in the year 1986 and upgraded to college in 1993. The college was shifted in its own building in 1999.

College of Community Science is committed to provide vocational education in order to bestow sustainable and quality living to the community. The college works in teaching, research as well as extension areas and is an applied & professional discipline to obtain recent scientific information applicable in both urban and rural areas. Its scope is not limited to improving home and family life only, but this degree programme plays a key role in the welfare of the society and empowerment of women. The mission of

the college is to provide quality education to the students and inculcate entrepreneurial skills in them. The college has five departments viz. Food and Nutrition, Human Development and Family Studies, Resource Management and Consumer Science, Textiles Science and Design and Extension Education & Communication Management Each department has its own vision and goals.

Teaching / Research and Extension Activities

A. Teaching:

- **Appointment of New Assistant Professors :** The College of Community Science is enriched with 9 new Assistant Professors.

Students Strength in the College

Total Number of Student in UG during Session 2022-23				
I st Year	II nd Year	III rd Year	IV th Year	Total
4	15	12	15	46
Total Number of Student in PG and Ph.D. during Session 2022-23				
Name of the Department			M.Sc.	Ph. D
Food Science and Nutrition,			Nil	03
Human Development and Family Studies,			02	02
Family Resource Management and Consumer Science,			01	02
Total			03	07
Total Number of Pass-out Students in the session 2022-23				
UG		PG		Ph. D
12		Nil		Nil

- Value Added Course on Basic Nutrition: A value added course on 'Basic Nutrition' was offered to university students (25 seats) from 01-02-2023 to 01-03-2023. The objective of the course was to develop an understanding of food groups, nutrients, nutrition & health among students.

A. Research:

Projects Running:

S. No.	Title of the Project	Status	Funding Agencies	Duration (in Years)	Budget (in lakhs)
1.	Development of low cost Value added product from paddy straw to minimize pollution	On going	UPCAR	3	24.93
2.	Ergonomic Laboratory for Ergonomic risk analysis and reducing health hazards of farm women	On going	RKVY	3	40.35



Projects Submitted:

S. No.	Title of the Project	Status	Funding Agencies	Duration (in Years)	Budget (in lakhs)
1	Protective Clothing: An Armour for Farm Women	Submitted	RKVY	2	72.71
2.	Establishment of Millets Based Extrusion and Bakery units for economic empowerment of rural women	Submitted	RKVY	3	12051050.00 (One Crore Twenty Lakh Fifty One Thousand Fifty Only)

A. Extension Activities:

- Participated in Regional Fruit, Vegetable and Flower Exhibition” organized at Raj Bhawan Lucknow from 17-20th February 2023 and demonstrated various articles made by students like jute pot-holders, lamp shades, paper jewellery, decorated pot, utility products etc. made from waste clothes and millets-based products were also gifted to the Hon'ble Governor Madam.



Stall at Regional Fruit, Vegetable and Flower Exhibition” at Raj Bhawan Lucknow.

- Displayed Millet based products like Bajra Ladoo, Ragi Snacks, Mix Millet Namkeen, Jwar Peda, Products made from Cow dung like Essence Stick, Idols of Lord Ganesha, Diya, and home décor utility articles made by plastic and fabric waste like pot-holders, lamp shades, paper jewellery, decorated pot, file folders, hair clips, necklace etc. were also showcased in the stall of community science from 16-18 March 2023 at Kisan Mela ANDUAT, Kumarganj, Ayodhya.



- Students performed Nukkad-Natak to create awareness about the health hazards of using tobacco and gave message to stop the use of tobacco on the occasion of “World No Tobacco

Day” held on 26-05-2023 at Village- Baraipara, Block Milkipur, Ayodhya.

- Mahila gosthi/Awareness programme was organised on August 6, 2022 to mark the World Breast Feeding Week by Department of Human Development and Family Studies. Dr Sarita Srivastava and Dr Suman Prasad Maurya.
- Seminar on Gender Discrimination and Issues of adolescence was held at N.D. DAV public school, Kumarganj on the occasion of Children's Day, held on 14-11-2022 . Also gosthi was organized at Village Jorium to discuss the gender discrimination and various issues of adolescence with rural women
- College Organized poem competitions for children on 14-11-2022 in primary school at Milkipur. Dr Namita Joshi, Dean COCS, delivered the lecture on health and hygiene. Dr Suman Maurya, Dr Sarita Srivastava and Dr Prachi Shukla were also present in the programme.
- Celebrated International Child Protection Day on June 1, 2022 at adopted village – Jorium in block Milkipur, Ayodhya for creating awareness among rural women.
- Millet Lunch at Vidhan Sabha:** Department of Food and Nutrition organized Millet Lunch at Vidhan Sabha on 03.03.2023. In this programme Bajra Laddoo, Ragi Snacks, Mix Millet Namkeen, Sawan Jaggery Lattha, Jwar Peda, Ragi Idli with Coconut Chutney was served to the guests. Dr Sadhana Singh and Dr Shweta Chaudhary was present at the event.



Millet Lunch at Vidhan Sabha, Lucknow

- National Nutrition Month (Poshan Maah) was celebrated by Department of Food and Nutrition from 1- 30 September 2022. Awareness cum

Training Programmes were organised by the department at nearby villages and schools.

- Department of Textile Science and Design organised one day training programme for rural women on Block Printing Techniques in the village Jorium on 30-01-2023. Dr Manpreet Kalsy and Dr Vibha Parihar conducted the training programme.



Demonstrating Printing Techniques to the Rural Women

- Department of Textile Science and Design organised one day training on traditional embroidery techniques at N.D.D.A.V. School on 16-11-2022. 80 students participated and learned the embroidery techniques.



Demonstrating Embroidery Techniques to the Girls Students of ND.D.A.V School

NUMBER OF STUDENTS SUCCESSFUL IN SRF/JRF/NET: 02

PUBLICATIONS :

Research papers	9
Books/booklets	2

Conference / Training Programme- Organised or Attended

- One day seminar was organized on the topic “the catalyst of social change in 21st Century” on 11 Jan 2023.
- Department of Textile Science and Design Organised Two Day Workshop from 23-24 Feb 2023 on the topic “Gaudhan: Value Addition of Cattle Dung”. Various articles like Essence stick, Diya, Idol of Lord Ganesha and Maa Saraswati, Swastik, Name plate, Toran etc were prepared by cow dung were demonstrated by the expert. Dr Mamta Arya, Asstt. Prof. TSD organised the

workshop with Dr Zeba Jamal and Dr Manpreet Kalsy. 210 students participated in the Workshop.



Dr Bijendra Singh, Hon'ble Vice Chancellor Visited the stall of cow dung products

PARTICIPATION IN CONFERENCES/ WORKSHOPS BY FACULTY

Dr Babita Verma, Assistant Professor, FRM and Ph.D. Students Participated in **International Science Congress** on “Rural technology and development (ISCRTD-2023)” from 15-17th February 2023 held at Babasaheb Bhimrao Ambedkar University, Lucknow.

DELIVER OF GUEST LECTURE

- Lecture on National Science Day:** A lecture was delivered by Dr Pragya Pandey on National Science Day, 28.02.2023.
- Lecture on Employment Opportunity in Food and Nutrition Sector: 03.02.2023,** A lecture was delivered by Dr Pragya Pandey on 'Employment opportunities in Food and Nutrition sector' for the University programme on increasing the economy of UP to 1 trillion dollar and attracting capital investment from abroad held on 3rd Feb 2023 at Agribusiness Auditorium.

DIGNIFIED VISITORS:

- Dr Rita. S. Raghuvanshi**, Ex-Dean, G.B.P.U.A.&T, Pantnagar, Uttarakhand.
- Dr Alka Goel**, Dean, College of Community Science, G.B.P.U.A.&T, Pantnagar, Uttarakhand
- Dr Manisha Gahlot**, Professor & Head, Department of Clothing and Textile, College of Community Science, G.B.P.U.A.&T, Pantnagar, Uttarakhand
- Dr Sunita Mishra**, Dean, BBAU, School of Home Science
- Dr Neelam Pathak**, DSW, Ram Manohar Lohia Awadh University, Ayodhya.
- Mr Premshankar**, Founder, Sarvodaya Gramdyog Ltd. Shahjahanpur, U.P.
- Mrs Pooja Gangwar**, Co- Founder, Sarvodaya Gramdyog Ltd. Shahjahanpur, U.P.



DIRECTORATE OF RESEARCH

Dr. A. K. Gangwar, Director Research

The Directorate of Research with its headquarter at A.N.D. University of Agriculture & Technology Kumarganj (Ayodhya) governs the research activities in 26 districts belonging to seven revenue divisions viz; Ayodhya, Basti, Devipatan, Gorakhpur, Varanasi, Azamgarh and Vindhyachal Dham of Eastern U.P. under three agro-climatic zones i.e., North Eastern Plain Zone (NEPZ), Eastern Plain Zone (EPZ) and Vindhyan Zone (VZ). The university has 7 research stations in different agro-climatic zones under its jurisdiction. The research stations are ANDUAT Main Campus Kumarganj (Ayodhya), Crop Research Station

(CRS) Masodha (Ayodhya), Zonal Agricultural Research Station (ZARS) Basuli (Mahrajanj), Zonal Agricultural Research Sub-Station (ZARSS) Baribagh (Ghazipur), Crop Research Station (CRS) Bahraich, Crop Research Station (CRS), Ghaghraghat (Bahraich) and ZARS, Tisui (Mirzapur).

VARIETAL IMPROVEMENT:

The major research thrust in crop production has been to develop high yielding varieties of all important crops resistant to biotic and abiotic stresses. As a result, the university released/Identified 198 varieties at Central/State level.

Crop Varieties Developed by ANDUAT, Kumarganj, Ayodhya

Crop	Name of varieties released/Identified	Total
Rice	Sarjoo-52, Narendra-1, Narendra-2, Narendra-80, Narendra-118, Narendra-97, Narendra-359, Jal Lahari, Jal Priya, Jal Nidhi, Barh Avrodhi, Narendra Usar Dhan-2, Narendra Usar Dhan-3, Narendra Sankar Dhan-2, Barani Deep, Narendra Sankar Usar Dhan-3, Narendra Dhan-8002, Narendra Dhan-2026 (Richa), Narendra Shushka Samrat (NDR-1045-2), Narendra Lalmati, NDR-2064, Narendra Narayani, Narandra Mayank, Narendra Jalpusp, Swarna Sub-1, Narendra Dhan- 3112-1, Narendra Usar Dhan 2008, NDR- 9930111, NDR- 9930077*, NDR – 9930017*, NDR-2065, NDR -6093, Narendra Usar Dhan 2009, NDGR-201, NDR-1055-6*, NDR-2101, NDR-370133, NDR-370134*, NDR-6244, NDR-4058-7*, Sambha Sub-1, NDR- 370135, NDR- 6330, IR-64 Sub-1, NDGR-702 (Jal Bhawani), Pusa Narendra Kala Namak-1 and Pusa Narendra CRD Kala Namak-2	45
Maize	Shaktiman-1, UMH-8, UMC-10	3
Wheat	Narendra Wheat-1012, Narendra Wheat-1014, Narendra Wheat-1076, Narendra Wheat-2036, Narendra Wheat-1067, Narendra Wheat- 4018, NW-5054, NW-6046, NW-7008*	9
Barley	Narendra Barley-1, Narendra Barley-2, Narendra Barley-3, Narendra Barley-4, Narendra Barley-1173, NDB-943, NDB-1445, NDB-1465, NDB-1464*	9
Mung	Narendra Mung-1, Narendra Mung-2*	2
Urd	Narendra Urd-1, Narendra Urd-2*	2
Pigeon Pea	Narendra Arhar-1, Narendra Arhar-2, Narendra Arhar-3*	3
Field Pea	Narendra Matar-1	1
Chickpea	Narendra Chana-1	1
Lentil	Narendra Masoor-1, Narendra Masoor-2*	2
Mustard	Narendra Rai-1, Narendra Sarson-2, Narendra Ageti Rai-4, Narendra Rai-8 (NDYR-8), NDYS-2018 (Jagrati), NDRE-07	6
Linseed	NDL- 2004-05, NDL-2002, Narendra Alsi-5*, Narendra Alsi-4	4
Cauliflower	Narendra Gobhi-1	1

Note: Highlighted varieties released in the current working year (2022-2023)

Crop	Name of varieties released/Identified	Total
Brinjal	Narendra Brinjal-1, Narendra Hybrid Brinjal-1, Narendra Hybrid Brinjal-2, Narendra Hybrid Brinjal-3, Narendra Brinjal-2, Narendra WhiteBrinjal-1 Narendra Brinjal-3	7
Tomato	Narendra Tomato-1, Narendra Tomato-2, Narendra Tomato-5, Narendra Tomato-6, Narendra Tomato-3, Narendra Tomato-4, Narendra Tomato-7, Narendra Tomato-8	8
Vegetable Pea	Narendra Sabji Matar-1, Narendra Sabji Matar-2, Narendra Sabji Matar-3, Narendra Sabji Matar-4, Narendra Sabji Matar-5, Narendra Sabji Matar-6	6
Muskmelon	Narendra Kharbuja-1, Narendra Kharbuja-2	2
Colocasia	Narendra Arvi-1, Narendra Arvi-2, PKS-1*	3
Pointed gourd	Narendra Parwal-260, Narendra Parwal-307, Narendra Parwal-604	3
Banda	Narendra Banda-1, Narendra Banda-3*	2
Pumpkin	Narendra Agrim, Narendra Amrit, Narendra Abhooshan (NPH-1), Narendra Upcar	4
Bottle gourd	Narendra Sankar Lauki-4, Narendra Rashmi, Narendra Shishir, Narendra Dharidar, NDBG-104, NDBG-132*, Narendra Madhuri, Narendra Shivani, NDBG&619, NDBG-10, NDBG-16*, NDBGH 14-10	12
Okra	NDO-10*	1
Bittergourd	Narendra Barahmasi-1, Narendra Barahmasi-2*, Narendra Suyog (White)	3
Cowpea	Narendra Lobia-1, Narendra Lobia-2	2
Sweet Potato	Narendra Shakarkand-9, NDSP-10*	2
Elephant Foot	Narendra Zimikand-5, Narendra Zimikand-9	2
Turmeric	Narendra Turmeric-1, Narendra Turmeric-2, Narendra Turmeric-3, NDH-98*, NDH-8, Narendra Turmeric-98	6
Coriander	Narendra Corinader-1, Narendra Corinader-2*	2
Fenugreek	Narendra Methi-1, Narendra Methi-2*, NDM-79*	3
Sauf	Narendra Sauf-1	1
Aonla	Narendra Aonla-4, Narendra Aonla-5, Narendra Aonla-6, Narendra Aonla-7, Narendra Aonla-10, Narendra Aonla-20, Narendra Aonla-25, Narendra Aonla-26	8
Bael	Narendra Bael-4, Narendra Bael-5, Narendra Bael-7, Narendra Bael-9, Narendra Bael-17*, Narendra Bael-16, Narendra Bael-10, Narendra Bael-8, Narendra Bael-11	9
Ber	Narendra Ber Selection-1, Narendra Ber Selection-2	2
Opium Poppy	Narendra Posta-1 (Kirtiman)	1
Mandookparni	Vallabh Medha	1
Babchi	IC-111226*	1
Lemongrass	NLG-84*	1
Jute	Reshma, NDC-9102, NDC-2008, NDC-2028, NDJC-2011, NDJC-2013	6
Crotolaria	Narendra Sanai-1	1
Bajra (Forage)	NDFB-2, NDFB-3, NDFB-5, NDFB-11	4
Oat	NDO-1, NDO-2, NDO-10, NDO-711, NDO-1101	5
Total		198

Note: Highlighted varieties released in the current working year (2022-2023)



New Varieties Released during Year (2022-2023): Rice, Wheat, Aonla and Bael

S. No.	Characters	Year	Name of Crop-Rice
1.	Pusa Narendra Kala Namak-1 Duration : 148-152 days Height : 90-95 cm Grain Type : MS Husk Colour : Dark Brown Aroma : High 1000 Seed Weight : 13.6 g Resistant to disease : False smut Yield : 45-50 q/ha	2023	
2.	Pusa Narendra CRD Kala Namak-2 Duration : 148-152 days Height : 90-100 cm Grain Type : MS Husk Colour : Brown Aroma : Medium 1000 Seed Weight : 14.6 g Resistant to disease : False smut Yield : 45-50 q/ha	2023	

S. No.	Characters	Year	Name of Crop-Wheat
1.	NW-7008 (SVRC) Notification No. : IC-645943 Characters : ➤ Timely sown, Rainfed and restricted irrigation condition for Eastern and Western U.P. ➤ Plant Height – 95 cm ➤ Average Yield: 23.05 q/ha. ➤ Duration : 125-130 days Resistance to all three rust, lodging and Shattering	2022	

S. No.	Characters	Year	Name of Crop-Aonla
1.	Narendra Aonla-25 Notification No. : IC No.- 0613871 Characters : ➤ Early flowering (starts from last week of February) ➤ Start bearing in 4th year ➤ It is suitable to grow under sub-tropical ecosystem. ➤ Early ripening (November) and earliest among the released varieties. ➤ Attractive creamy yellow colour of pulp of complete ripened fruit. ➤ Fruit shape- Flattened round. ➤ Fruit yield/plant 80-85 kg/plant ➤ Fruit weight 80-85g , fruit size 4.18 cm x 4.41 cm, TSS 11.500Brix, acidity (0.89%) and vitamin C-545.93 mg / 100 g pulp	2021	
2.	Narendra Aonla-26 Notification No. IC No.- 0613872 Characters : ➤ Early flowering (starts from last week of February) ➤ Start bearing in 4th year. ➤ It is suitable to grow under sub-tropical ecosystem. ➤ Full ripening in the month of December. ➤ Attractive bright green yellow colour of fruits with smooth thin skin of complete ripened fruits. ➤ Fruit shape- Flattened round. ➤ Fruit yield/plant 90-100 kg ➤ Fruit weight 45.68g, fruit size 3.93 cm x 4.15 cm TSS pulp 10.850 Brix, acidity (1.10%) and vitamin C 483.68 mg / 100 g pulp.	2021	



S. No.	Characters	Year	Name of Crop-Bael
1.	Narendra Bael-8 Notification No. : IC No.- 0613863 Characters : ➤ Fruit yield (kg)/plant is 108.89kg, fruit weight 1.23 kg, fruit ➤ Fruit size 22.33 cm x 21.45 cm, shell thickness 2.21 mm ➤ Total number of seed 109-130, locules arrangement-scattered, seed cavity 11-13 ➤ Mucilage very less, TSS pulp 38.770B, acidity (0.36%) and vitamin C 19.91 mg/100g pulp, Pulp colour-pale yellow, pulp taste-sweet	2021	
2.	Narendra Bael-10 Notification No. : IC No.-06138720613664 Characters : ➤ Early ripening (March) and earliest among the released varieties. ➤ Compact foliage, less fruit sunscald and very less thorns under subtropical-arid environment and starts bearing in 4th year. ➤ It is suitable to grow under sub-tropical ecosystem. ➤ Drought tolerant, luxuriant growth and higher fruit yield under less precipitation and high temperature. ➤ Attractive light yellow colour of pulp of complete ripened fruit. ➤ Fruit weight 1.75-2.00kg/fruit, yield 95-105kg/plant, It is highly suitable for powder and RTS owing to attractive pulp colour and fiber content	2021	
3.	Narendra Bael-11 Notification No. : IC No.- 0613868 Characters : ➤ Fruit shape- elliptical, fruit yield/plant is 99.60 kg, fruit weight 1.87-2.00 kg ➤ Fruit size 26.00 cm x 24.68 cm, shell thickness 2.58 mm, total number of seed 130-140, locules in cross section 13-14 ➤ Pulp colour- whitish yellow, TSS pulp 33.98 (0Brix), acidity (0.36%) Vitamin C 35.15 mg / 100 g pulp was recorded.	2021	

RESEARCH PROJECTS:

Based on the vocational specific problems affecting productivity and farmers needs, the research programmes are formulated by the scientists concerned. At present **59 research projects/schemes**, financed by various national and international agencies, are in operation in the university.

Ongoing Research Projects 2022-23

S. No.	Name of Projects	No. of Projects
1.	All India Co-ordinated Research Projects (75% ICAR share and 25% State share)	18
2.	Scheme 100% Financed by ICAR	02
3.	Research Project Financed by International Agency	02
4.	Research Projects Financed by UPCAR	07
5.	Research Projects Financed by RKVY	05
6.	Research Projects Financed by other National/State Agencies	07
7.	Non - Plan Projects 100% Financed by State Govt.	18
Total :		59

RESEARCH PROJECTS STATUS OF THE UNIVERSITY**1. All India Co-ordinated Research Projects (75% ICAR share and 25% State share)**

S. No.	Project Title	Funding Agency	Current Status	
			Year of Initiation	Year of Completion
1.	AICRP on Rice Improvement	All India Co-ordinated Research Projects (75% ICAR share and 25% State share)	1976	On Going
2.	AICRP on Deep Water Rice		1976	
3.	AICRP on Maize Improvement		1976	
4.	AICRP on Wheat & Barley Improvement		1987	
5.	AICRP on MULLaRP		2001	
6.	AICRP on Chickpea		2001	
7.	AICRP on forage Crops Improvement		2001	
8.	AICRP on Potential Crops		1995	
9.	National Seed Project (Crops)- 1. Seed Technology Research 2. Breeder Seed production		1978	
10.	AICRP on Irrigation Water management		1980	
11.	AICRP on Integrated Farming System		1976	
12.	AICRP on Vegetable Improvement		1980	
13.	AICRP on Potato Improvement		1987	
14.	AICRP on Spices		1995	
15.	AICRP on Arid Fruits		1987	
16.	AICRP on Medicinal & Aromatic Plants		1980	
17.	AICRP on Agro-forestry		1987	
18.	AICRP on Agro-meteorology		1990	
2. Scheme 100% Financed by ICAR				
1.	National Initiative on climate resilient agriculture (NICRA) – Dryland Agriculture	Scheme 100% Financed by ICAR	2010	On Going
2.	NICRA (Agro-meterology)			



S. No.	Project Title	Funding Agency	Current Status	
			Year of Initiation	Year of Completion
3. Research Projects Financed by International Agencies				
1.	Accelerated Genetic Gain in Rice(AGGRI-Alliance)-Marginal Environment (IRRI)	Research Projects Financed by International Agencies	2019-20	On Going
2	Enhancing and stabilizing the productivity of salt-affected areas by incorporating genes for tolerance to abiotic stresses in rice (EC-IFAD-IRRI)		2011	
4. Research Projects Financed by UPCAR				
1.	Genetic enhancement for terminal heat tolerance in bread wheat (<i>Triticum aestivum</i> L.) with conventional and molecular breeding approaches.	Research Projects Financed by UPCAR	2020-21	On Going
2.	Development of suitable model to harvest the optimum potential of fish production in sodic soil of Uttar pradesh		2020-21	
3.	Genetic Improvement of Kala Namak for productivity traits, biotic and abiotic stress tolerance, aroma and nutritional quality.		2020-21	
4	Creating System for Small Scale Solar PV System		2022-23	
5	Development of low cost value added products from paddy straw to minimize pollution		2022-23	
6	Value Chains of major Agricultural Commodities : A lucrative approach for improving livelihood status of farmer’s in Uttar Pradesh		202-23	
7	Improving livelihood status in eastern Uttar Pradesh through assessment of average farmer’s : An income enhancement approach.		2022-23	
8	Detection of status of acaricide resistance, their mitigation with ethno botanicals and managerial practices for control of ticks and ticks borne diseases in Eastern Uttar Pradesh		2022-23	
5. Projects submitted under RKVY				
1.	Strengthening of Microbiological laboratory with advance diagnostic facilities for he detection of infectious diseases in particular reference to Eastern Uttar Pradesh.		2022-23	
2	Establishment and strengthening of Model Lab for testing of aquatic health disrupters and other parameters in the samples collected from natural and polluted fishery resources of Uttar Pradesh		2022-23	
3	Strengthening of University Goat Farm for livelihood security and socioeconomic upliftment of weaker section		2022-23	
4	Preserving Adulterated seed and planting material by DNA finger printing technique for increasing the income of farmers.		2022-23	
5	Enhancement of pulses and oilseed production, productivity and income of Eastern Uttar Pradesh farmers by upgrading seed production farm.		2022-23	

S. No.	Project Title	Funding Agency	Current Status	
			Year of Initiation	Year of Completion
3. Research Projects Financed by Other National/State Agencies				
1.	Mission Integrated Development of Horticulture (MIDH)	Research Projects Financed by Other National/ State Agencies	2005	On Going
			1993	
2.	Gramin Krishi Mausam Seva (i) Head Quarter, Kumarganj Ministry of Earth Science(IAAS) (ii)Bahraich		2010	
3	Forecasting Agricultural output using space, agro-meteorology and land based observations (FASAL) Ministry of Earth Science (Govt. of India)		2018-19	
4	Centre of Excellence in Rice (State Govt.)		2020-21 to 2024-25	
5	Germplasm characterization and trait discovery in wheat using genomics approaches and its integration for improving climate resilience, productivity and nutrition quality. Sub Project: Characterization and evaluation of wheat germplasm lines for biotic stress resistance. (DBT, Govt.)		2022	
6	Assessment of determinants of birds assemblages across rural urban gradient in and around some selected cities of Uttar Pradesh.		2022	
7.	Radiation Induced mutagenesis for the improvement of highly aromatic premium rice variety kalanamak		2022	

7. Non - Plan Projects 100% Financed by State Govt.

S. No.	Project Title	Funding Agency
1.	Sodh Scheme (Rice , Masodha)	Non-Plan Projects 100% Financed by State Govt.
2.	Oil Seed Project	
3.	Pulses Project	
4.	Research on Vegetable Crops	
5.	Research on Crop Physiology	
6.	NARP (Adjusted), Kumarganj, Faizabad	
7.	NARP (Adjusted), Masodha, Faizabad	
8.	Foundation and breeder seed production unit and Strengthening of seed testing lab.	
9.	NARP (Adjusted), (Tissuhi), Mirzapur	
10.	Sodh Scheme, Tissuhi (Mirzapur)	
11.	Flood Rice Research Scheme : Ghaghraht (Bahraich)	
12.	NARP (H.Q.), Ghaghraht (Bahraich)	
13.	Jute Establishment Scheme : Bahraich	
14.	NARP Sub Station – Bahraich	
15.	NARP (Adjusted), Ghazipur	
16.	Sodh scheme, Ghazipur	
17.	Production and processing of fruits in usar wasteland	
18.	NARP adjusted Basuli	



FIELD VISITS BY VICE CHANCELLOR AND OTHER SCIENTISTS



Hon'ble Vice-Chancellor visited chickpea trial



D.G. UPCAR visit at CRS, Masodha UPCAR Kalanamak field on dated 24 November,2022



BARC Scientist visited at CRS, Masodha Kalanamak & Drought experimental field WS 2022 on dated 19-23 November 2022

Achievements as per objective:

- Collection of Kalanamak land races from GI areas viz. Siddarth Nagar (Birdpur) and Maharajganj (Nichlaol) : Different accessions of Kalanamak rice variety was collected from different pockets of Siddharthnagar and Maharajganj district.
- Purification and evaluation of Kalanamak germplasm: Rice accessions were evaluated under field conditions to check their purity in terms of their plant traits and grain quality traits especially grain size and aroma. Two accessions were finalized for improvement work.
- Mutagenesis of kalanamak through Gamma ray: Gamma ray mutagenesis of two rice accessions with 250Gy dose
- Sowing of M1 generation: large M1 generation with more than 8000 plants
- Harvest single panicle: Single panicle /plant harvested in all M1 plant.

Significant Achievement Variety release

Variety/Lines	Ecosystem	Yield kg/ha	Remarks
Pusa Narendra Kalanamak -1	Local scented		Aromatic medium slender grain (Kalanamak) good cooking quality
Pusa Narendra CRD Kalanamak -2	Local scented		Aromatic medium slender grain (Kalanamak) good cooking quality

Variety Identified to release (SVRC)

Variety/Lines	Ecosystem	Yield kg/ha	% increas Over Check	
NDR 8399-2	Local scented			Aromatic medium slender grain (Kalanamak) good cooking quality
NDR 8400-3	Local scented			Aromatic medium slender grain (Kalanamak) good cooking quality
NDR 202-2-1	Local scented			Aromatic medium slender grain (Kalanamak) good cooking quality

SEED PRODUCTION:

Breeder, Foundation and Certified Seed Production during *Kharif 2022* for sowing in *Kharif, 2023*

S. No.	Crop/ Variety	Production (q)				Total Production (q)
	Rice	B/S	F/S	C/S	TL/S	
1.	BPT-5204	168.80	2134.89	-	-	2303.00
2.	Sarju-52	122.00	496.60	-	-	618.60
3.	NDR-2065	89.85	835.15	--	42.20	967.20
4.	NDR-2064	24.38	534.48	-	2.25	561.11
5.	Sambha Sab-1	-	268.80	-	-	268.80
6.	NDR-359	-	15.75	-	-	15.75
7.	NDR-97	-	9.10	-	-	9.10
8.	MTU-7029	66.80	-	2482.69	55.00	2604.49
9.	NDR-6093	8.75	-	-	-	8.75
10.	NDR-1093	-	16.10	-	-	16.10
11.	NDR-701	33.25	-	-	-	33.25
12.	NDR-702	31.50	-	-	-	31.50
13.	NDR-30-11	-	76.00	-	-	76.00
14.	IR-64 Sub-1	31.50	-	-	-	31.50
Total		576.83	4386.87	2482.69	99.45	7545.84



Breeder, Foundation and Certified Seed Production during *Rabi* 2022- 23 for Sowing *Rabi* 2023-24

S. No.	Crop/ Variety	Production (q)			Total Production (q)
1	Wheat	B/S	F/S	C/S	
	HD -2967	48.50	1042.45	100.25	1191.20
	DBW- 187	-	-	1206.19	1206.19
	NW-5054	3350	-	-	33.50
	HD-3271	-	-	217.25	217.25
	KW -1317	-	202.50	-	202.50
	Total	82.00	1244.95	1523.69	2850.64
2	Rai				
	NDR- 8501	-	8.50	-	8.50
	RHH-725	-	96.35	-	96.35
	Total	-	104.85	-	104.85
3	Chickpea				
	RVG-202	-	-	4.00	4.00
	IPC-2006-77	-	-	3.19	3.19
	Total	-		7.19	7.19
4	Lentil				
	KL-345	0.12	-	-	0.12
	Total	0.12	-	-	0.12
	Grant Total	82.12	1349.80	1530.88	2962.80

1. Location Specific Production Technology:

- On the basis of 3 years pooled data, Oat variety RO-19 with three cut + nitrogen application 40% basal + 30% at 1st cut + 30% at 2nd cut recorded maximum GFY (751.00), DFY (131.63), CPY (12.88), Gross return (115328), Net return (84180), B: C ratio (3.70), growth and quality parameters
- The deep water rice variety NDGR 706 (IET 26741) a derivative of cross (Pankaj x Jalnidhi) and entry NDGR 709 (IET 28319) a derivative of cross (NDGR207 x IR49906-B-B-B-10-GHT-2) developed by the Centre has been found most promising. The entries are in third year of testing in AICRIP deep water experiment in kharif 2021 to confirm the results and its wider adoptability
- Multi use of water by either renovating old ponds or constructing new ponds in the areas where water may be available either through canal and rains for pisi culture and on bunds of pond banana,

vegetables and fuel trees may be grown. In such pond areas command integrated farming system including pisciculture, duckery and cropping system should be adopted by farmers to achieve more net profit as compared to cropping system of rice-wheat+rai.

- Improved water management practices in rice (7cm water, 1-3 days after disappearance of ponded water applied with check basins of 10x10m) should be practiced in place of continuous ponding of water through plot to plot or field to field wild irrigation method.
- Improved water management practices in wheat (6cm water, at CRI, late jointing and milking stages by check basin of 10x5m) should be practiced in place of heavy irrigation through plot to plot or field to field, wild irrigation method.
- Pigeon pea grown on raised bed in paired rows at 50cm spacing intercropped either with 5 rows of short duration rice (NDR -97) in sunken beds or 3

rows of urd (blackgram) on raised beds should be practiced by the farmers of canal command at tail end during kharif season for getting more profits.

- The integrated farming system with multiple use of water (such as pisciculture and duckery) was more profitable as compared to the conventional cropping system. The highest benefit cost ratio of 2.40 was observed in integrated farming system as compared to Rice – Wheat + Rai system (B:C - 1.60). The farmers of ORP area are very much convinced with this system.
- The water of Sharda Shayak Command has the more silt load and it resulted in accumulation of more silt in the field of farmers at head section of distributory as compared to middle and tail ends. It was also observed in long term experiments that physical properties of soil were also deteriorated such as texture and salinity.
- Pigeon pea grown on raised bed in paired rows at 50cm spacing where intercropped with 3 rows of urd (100 cm) on raised beds was found more productive and remunerative system under poor availability of canal water at tail end of minor in *kharif* season.
- Intercropping of gram + mustard (4:2) was found more economical in *rabi* season under poor availability of canal water.
- Maximum grain yield of wheat was realized when crop was sown with bed planting and fertilized with 125% of recommended dose of N (125 kg ha⁻¹) under the schedule of 4cm irrigation at 1.0 IW/CPE ratio at all the five critical stages. Highest WEE was computed with 4cm water at 0.8 IW/CPE at CRI, late jointing and milking stages.
- Rice-potato-okra and maize-potato-okra were found most remunerative cropping systems under head and tail end of distributory, respectively. Okra crop is sown in summer needs more irrigation. It was also observed that okra should be sown on raised beds and 5-6 cm water should be given at 7 days interval after first irrigation (at 20 DAS).
- Application of 75% recommended dose of fertilizers (NPK) + 25% N through bio-compost was found suitable with five irrigations at critical stages in case of wheat.
- Sowing of green gram on raised beds in paired

rows along with furrow irrigation at 1.0 IW/CPE or irrigation at 10 days interval is recommended.

- Drip irrigation @ 80% wetted surface with 75% N was found suitable for irrigation in Aonla orchard.
- Drip irrigation @ 80% of PE with 100% N was found suitable for sugarcane crop production being high yielding and more remunerative irrigation system.
- Drip irrigation @ 80% of PE with 100% N was found more suitable for Marigold as it gave higher production of marigold flower and also found more remunerative.
- 7cm irrigation at 3 DADPW before P.I. and at 1 DADPW from PI to milking stage of scented rice with 75% RDF + 25% N through bio-compost has been found high yielding and more remunerative for production of scented rice.
- Drip irrigation @ 80% of PE every third day under rice straw mulch (5 t/ha) has been found high yielding and most remunerative irrigation system for *zaid* cowpea.
- 15-25 October has been found optimum period for planting of rabi maize with 1.0 IW/CPE moisture regime for getting its maximum production and higher net return.
- Irrigation level 0.8 IW/CPE with integrated nutrient supply system (75% RDF + 25% N through bio compost) has been found most suitable for getting higher production and economic return from broccoli.
- Wheat crop should be sown latest by 25th December and irrigated at 1.0 IW/CPE schedule for high production of wheat under late sown condition.
- Irrigation schedule 7cm water at 4 DADPW has been found high yielding and economical for drum seeded rice under puddled soil.
- Irrigation schedule 1.0 IW/CPE with raised bed paired row planting of mentha on 70cm beds and 20cm furrow has been found high oil yielding and economical for mentha cultivation.
- Fertigation @ 60% of PE with 100% nitrogen application every 3rd day has been found high yielding, efficient and economical viable irrigation system for tomato crop production.
- Fertigation @ 80% of PE with 100% nitrogen every 3rd day has also been found high yielding



and most remunerative irrigation system for *zaid* okra.

- Conjunctive use of canal and ground water (2:1) with 6cm irrigation at critical stages (CRI, late jointing and milking stages) in check basin ($5 \times 10 \text{ m}^2$) in wheat crop has been found high yielding (33.59%) and water efficient (48.43%) and more remunerative with benefit cost ratio of 2.31.
- As per **paddy-mustard based sequence**, significantly higher grain yield of **paddy** variety Sarjoo-52 (2.27 t ha^{-1}) was found under *Dalbergiasissoo* and **mustard** variety Varuna (1.06 t ha^{-1}) have been achieved under *Casuarinaequisetifolia* based agri-silviculture system.
- The maximum **urd** grain yield in variety **Narendra Urd-1** (0.47 t ha^{-1}) which found significantly superior over other varieties of urd under *Dalbergiasissoo* based agri-silviculture system.
- As per **organic fertilizers based experimentation**, the maximum grain yield of **paddy var. Sarjoo-52** (2.21 t ha^{-1}) has been obtained with the application of **FYM 10 t ha^{-1}** under *C. equisetifolia*, while higher grain yield of **wheat var. NW-5054** (2.18 t ha^{-1}) was also recorded by the application of same treatments *i.e.* 10 t ha^{-1} FYM under same system *i.e.* *C. Equisetifolia* based agri-silviculture system.
- Significantly higher **turmeric** rhizome yield ($7.05 \text{ t ha}^{-1} \text{ yr}^{-1}$) has been obtained due to application of 50% recommended dose of NPK ($120:80:80 \text{ kg ha}^{-1}$) + 50% FYM dose (recommended dose 20 t ha^{-1}) as compared to other treatments under **agri-silvi-horti system**.
- In the *Dalbergiasissoo* based **silvi-pastoral system**, the maximum annual green fodder yield

was found for *Pennisetumpurpureum* (43.62 t ha^{-1}), followed by *Panicum maximum* (31.11 t ha^{-1}) and *Brachiaramutica* (26.31 t ha^{-1}).

- Under *Eucalyptus* based agroforestry system for Indo-gangetic plains, the maximum plant growth with tree height (9.16 m) and dbh (12.23 cm) were recorded for T_1 treatment (Moong-Wheat) as compared to other treatments.

(2) Achievements of the provenances/varieties/genotypes established from different places:

- Under tree improvement project of shisham, from growth performance, PS-52 showed highest plant height (2.90 m) followed by PS-54 (2.41m) and L-1 (2.38 m). Higher dbh (7.28 cm) also recorded in same clone PS-52. The maximum number of branches (26) counted in PS-52 and L-1 (26). The higher crown spread (82.30 cm) was measured in PS-52 followed by PS-20 (73.25 cm).
- Under *Eucalyptus* based agroforestry system for Indo-gangetic plains, from plant growth performance, amongst 5 treatments including control (open area), the maximum tree height (9.16 m and dbh (12.23 cm) were recorded T_1 treatment (Moong-Wheat). The maximum number of branches (48) recorded in T_1 (Moong-Wheat) and crown spread (2.43m) in T_3 -Urd-Wheat. The higher moong grain yield (0.51 t ha^{-1}) as *kharif* intercrop was obtained in T_1 (Moong-Wheat) treatment as compared to T_3 -Moong-Mustard (0.37 t ha^{-1}) under system, while in open area higher Moong yield (0.58 t ha^{-1}) was obtained as compared to system in T_1 treatment. The higher wheat grain yield as *rabi* intercrop (1.97 t ha^{-1}) was recorded in T_1 treatment in Urd-Wheat (T_3) under system, while in open area comparatively higher grain yield of Wheat (2.53 t ha^{-1}) was observed in the T_1 treatment.

Technology Developed Irrigation Water Management



Paddy crop grown at farmers field under improved water management practice in canal command

The water expense efficiency (WEE) was also found to be highest 6.42 kg/ha.mm at head section followed by middle and tail section at which it was 6.03 and 5.97 kg/ha.mm under improved water management practice respectively. The water expense efficiency was quite low in case of farmers practice in which it was 3.51, 3.43 and 3.31 kg/ha.mm at head, middle and tail section of the distributory respectively.



Paddy crop grown under different moisture regimes and weed control practices in drum seeded rice

Moisture regime 6cm water at 4 DADPW with chemical weeding (Bispyribac sodium 10% SC @ 200 ml/ha; post emergence at 30 DAS) may be recommended for higher yield of rice 50.20 q/ha with net benefit of Rs.57770.00 per hectare in drum seeded rice.

The results invesaged that the equivalent wheat yield under intercropping of mustard with gram was found to be highest 46.99 q/ha followed by pure stand of gram and intercropping of mustard with lentil in which the equivalent wheat yield was 42.65 and 42.22 q/ha respectively. The economcis of different cropping systems clearly indicated that the intercropping of mustard with gam accrued the maximum net return of Rs. 66140.00 per hectare with highest benefit cost ratio of 3.59 followed by sole gram crop and intercropping of mustard with lentil which accrued the net benefit of Rs. 57660.00 and Rs.





56820.00 per hectare with benefit cost ratio of 3.26 and 3.23 respectively.

- Wheat crop raised at farmer's field under improved water management practice in Canal Command.



- Intercropping of mustard with gram at tail end of distributor





Distribution of PVC Irrigation Pipe Paddy seed NDR 2065 Paddy to the SC farmers of Meen Nagar village, Dariyabad block



**Distribution of Turmeric seed NDH 1 to the SC farmers of Meen Nagar village, Dariyabad block.
Mission Integrated development of Horticulture (MIDH)**



Director, DASD visiting Seed production of Turmeric



Dr. B K Das and Dr. Vikas Kumar scientist from BARC Mumbai monitor the activities of Kalanamak and other collaborative research on Rice at CRS Masodha



Monitoring team visited AICRP-DWR trials planted during WS -2023 at CRS, Ghaghraghat



DIRECTORATE OF EXTENSION

Dr. R.R. Singh

The Extension Education activities of the University were started in June, 1977 at the University Headquarter. Directorate of Extension is responsible for planning, organization, coordination, evaluation and monitoring of the extension activities of the university through various units of the university including its 07 colleges, 07 Research stations, 25 Krishi Vigyan Kendras and 04 Krishi Gyan Kendras which are located in three Agro-Climatic Zones (North Eastern Plain Zone, Eastern Plain Zone and Vindhyan Zone) of eastern Uttar Pradesh. At present, the extension activities are being accomplished through headquarter, Krishi Vigyan Kendras and Krishi Gyan Kendras with the objectives of making provisions of education of rural people of UP in agriculture, rural industry and allied subjects. In order to fulfill the above objectives, the Directorate of extension has been equipped with the following functional units:

- Agricultural Technology Information Centre (ATIC) at ANDUA&T, Kumarganj, Ayodhya
- Twenty five Krishi Vigyan Kendras at Baharaich, Ballia, Basti, Mau, Varanasi, Siddharthnagar,

Gorakhpur, Ayodhya, Sonbhadra, Maharajganj, Barabanki, Azamgarh, Balrampur, Chandauli, Jaunpur, Santkabirnagar, Ambedkar Nagar, Amethi, Gonda II, Bahraich II, Sultanpur II, Jaunpur II, Ghazipur II, Shrawasti and Azamgarh II.

- Four Krishi Gyan Kendras at Gonda, Ghazipur, Deoria and Amethi.
- Farm Advisory Services.
- Krishak Help Line Services (18001801551 Toll free and 05270-262056 ATIC)

AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (ATIC)

MAJOR SERVICES BEING OFFERED

- Agricultural information
- Printing and sale of publications
- Sale of seeds and seedlings
- Soil health and plant clinic
- Demonstration units

Table 1: Extension activities performed

S. No.	Particulars	2022-2023	
		Qty (Q)	Amt.(Rs)
1	TECHNOLOGY PRODUCTS SOLD TO END USERS		
A	Seeds		
A.1	Paddy	155.00	610700
A.2	Wheat	95.50	362900
B	Millets	2.00	
C	Fish sold	1.50	27000
2	SERVICES PROVIDED TO END USERS		
A.	Soil samples analyzed	560	--
B.	Agri Clinics	678	--
C.	Animal clinics	243	--
D.	Advisory services	3127	--
E.	Publications sold		
E.1	Agril. Extension Literature	4200	38338
E.2	Krishi Diary	2500	312500
E.3	Purvanchal Kheti	12000	125000

3	INFORMATION PROVIDED TO FARMERS		
A.	Phone calls from farmers	263	
B.	Exhibitions conducted	05	
C.	Letters for farmers	64	
D.	Reply letters to farmers	64	
E.	Reply through WhatsApp	114	
F.	Visit of farmers to ATIC	2315	

Table 2: Group of Farmers/ Farm Women, Trainees and Students visited ATIC during 2022-23

S. No.	Date	Group of Farmers/ Farm Women / Officers/ Trainees / Students visited through NGOs	Sponsored by	No. of visitors
1.	12.06.2022	Pragati Sewa Sansthan avm Vikas, Bhati	ATMA Ambedkar Nagar	18
2.	02.08.2022	Sadachar Samiti, Raebareli	ATMA Raibareli	90
3.	02.08.2022	Group of farmers from different block of Raibareli district	DDA Raibareli	90
4.	22.08.2022	Group of farmers from different block of Kaimur district, Bihar	ATMA Bihar	35
5.	25.08.2022	Gorakhpur Environmental Action Group, Gorakhpur	Agriculture Department, Shravasti	41
6.	14-15.09.2022	Gurudatt Sewa Sansthan, Tiwaripur, Sultanpur	ATMA Sultanpur	50
7.	01.10.2022	Group of farmers from Ballia district	DDA Ballia	50
8.	19.10.2022	Group of farmers from different block of Santkabir Nagar district	ATMA Santkabir Nagar	50
9.	09-10.11.2022	Shiva Takniki Krishi Sansthan, Bahraich	ATMA Bahraich	120
10.	15.11.2022	Aga Khan Foundation, Bahraich	ATMA Bahraich	65
11.	12.12.2022	Group of farmers from Amethi district	ATMA Amethi	28
12.	12.12.2022	Group of farmers from Ayodhya district	ATMA, Ayodhya	50
13.	17-18.12.2022	Shiva Krishi Takniki Sansthan, Gonda	ATMA, Gonda	50
14.	20-24.12.2022	Sarvodaya Gramin Seva Sansthan, Deoria	ATMA, Deoria	46
15.	27-31.12.2022	Kaushal Kishor Samaj Kalyan Sansthan, Deoria	ATMA, Deoria	50
16.	06.01.2023	Gramin Bal Vikas avm Prashikshan Sewa Sansthan, Deoria	Agriculture Department, Deoria	50
17.	07.01.2023	Saurabh Sewa Sansthan, Mahrajganj	Agriculture Department, Mahrajganj	60



18.	19-20.01.2023	Gramin Mahila avm Baalothan Sewa Samiti	Agriculture Department, Siddharthnagar	50
19.	20.01.2023	Group of farmers from Ayodhya district	ATMA, Ayodhya	80
20.	02-03.02.2023	Shiva Krishi Sewa Sansthan, Basti	ATMA, Basti	118
21.	06-10.02.2023	Nari Vikas Sewa Sansthan, Jigna, Kushinagar	ATMA, Kushinagar	50
22.	13-17.02.2023	Gorakhnath Sarvodaya Ashram, Ballia	ATMA, Ballia	40
23.	14.02.2023	Gramin Baal Vikas and Prashikshan Sansthan, Basti	ATMA, Basti	60
24.	16.02.2023	Nari Pragati Niketan, Krishnagar, Gorakhpur	ATMA, Gorakhpur	60
25.	19.02.2023	Sarvodaya Gramin Sewa Sansthan, Gauri Bazaar, Deoria	ATMA, Deoria	40
26.	20.02.2023	Sugarcane Research Institute, Gorakhpur	Sugarcane Dept, Gorakhpur	45
27.	22.02.2023	Jai Prabha Trust, Bhadohi	ATMA, Bhadohi	26
28.	22.02.2023	Bhumi Jan Kalyan Samiti, Jaunpur	ATMA, Jaunpur	25
29.	24.02.2023	Nari Pragati Niketan, Krishnagar, Gorakhpur	ATMA, Gorakhpur	60
30.	25.02.2023	Sarvodaya Gramin Sewa Sansthan, Deoria	ATMA, Gorakhpur	80
31.	25.02.2023	Group of farmers from different block of Sitapur district	DDA, Sitapur	57
32.	01.03.2023	Group of farmers from different block of Siddharthnagar district	DDA, Siddharthnagar	80
33.	01.03.2023	Pragya Gramodaya Sewa Samiti, Fatehpur	ATMA, Fatehpur	92
34.	16.03.2023	Group of farmers from different block of Basti district	DDA, Basti	60
35.	16.03.2023	Jyoti Punj Sewa Sansthan, Meerpur Sadar, Jaunpur	Animal Husbandry Dept., Amethi	40
36.	20.03.2023	Baba Shri Guru Bachan Educational Social and Welfare Society, Ismailganj, Prayagraj	DDA, Prayagraj	57
37.	22.03.2023	Group of farmers from different block of Balrampur district	DDA, Balrampur	60
38.	23.03.2023	Group of farmers from different block of Mau district	DDA, Mau	82
39.	24.03.2023	Maa Sursari Sewa Sansthan, Ballia	ATMA, Ballia	25
40.	27-28.03.2023	Residential farmers training	IFFCO, Lucknow	75
41.	28.03.2023	Farmers training under NICRA, SCSP, IGFRI	DDA Kaushambi	34
42.	31.03.2023	Government Inter College, Ambedkarnagar (Students Educational Tour)	Ambedkarnagar	95
		Total no of farmers visited ATIC		2359

LIST OF TECHNICAL BULLETINS PUBLISHED

- आधुनिक मधुमक्खी पालन एवं प्रबन्ध
 - जिमीकन्द की खेती
 - मशरूम उत्पादन एवं उपयोगिता
 - किसानोपयोगी फसल सुरक्षा तकनीक
 - फसल उत्पादन तकनीक
 - जीरो टिल सीड कम फर्टी ड्रिल
 - फल सब्जी परिरक्षण एवं मानव आहार
 - गन्ने की आधुनिक खेती
 - जीरो टिलेज गेहूँ बोआई की एक विश्वसनीय तकनीक
 - केचुआ पालन (वर्मीकल्चर) एवं वर्मी कम्पोस्ट उत्पादन
- व्यावसायिक कुक्कुट (ब्रायलर) उत्पादन
 - फसलों के सूत्रकृमि रोग एवं उनका वैज्ञानिक प्रबन्धन
 - आय संवर्धन हेतु प्रमुख सब्जियों की उत्पादन तकनीक
 - गृहणियों के लिए बेकिंग कला
 - स्वच्छ दूध उत्पादन तकनीक एवं उसका महत्व
 - गायों एवं भैसों के मुख्य रोग, टीकाकरण एवं संतुलित पशु आहार
 - मछली पालन
 - फसल अवशेष प्रबन्धन

Human Resource Development/Training of Trainers

Directorate organized five HRD/Trainers training at headquarter during current financial years. The details of training are depicted in table.

Training Programme

S. No.	Title of training programme	Date	Participants	Number of participants
1.	Hands on training of Soil Testing Kit 'Pusa STFR'	29.06.2022	Subject Matter Specialist	25
2.	Content Management System	06.01.2023	Sr. Sci & Head, Programme Assistant (Computer)	86
3.	Natural Farming	14.03.2023	Subject Matter Specialist	25
4.	Millets Production and Value Addition	15.03.2023	Subject Matter Specialist	25
5.	Smart Agriculture	20.03.2023	Subject Matter Specialist	25



HRD Training on Millets Production & Value Addition



HRD Training on Smart Agriculture



Workshop / Group meetings organized

The Directorate of Extension also organized the group and review meetings programmes during the financial year.

Table 4: Workshop/Meetings organized during the year

S. No.	Title of programme	Date	Participants	No. of participants
1.	All Projects Review Meet	07.05.2022	Sr. Sci & Heads, SMSs	58
2.	Review meeting of newly appointed SMSs	21.05.2022	Newly appointed SMSs	99
3.	<i>Kharif</i> sowing and Project Review Meet	06.06.2022	Sr. Sci & Heads, SMSs	58
4.	Review meeting of newly appointed SMSs	21.06.2022	Newly appointed SMSs	99
5.	Review meeting RKVY projects	27.07.2022	Sr. Sci & Heads, SMSs	29
6.	Review meeting of KVKs functioning	06.08.2022	Sr. Sci & Heads, SMSs	104
7.	Review meeting of CRM Project	15.09.2022	Sr. Sci & Heads, SMSs	28
8.	Review meeting of University Kisan mela and CRM Project.	25.09.2022	Sr. Sci & Heads, SMSs	52
9.	Kisan Mela 2022 Review Meet	01.10.2022	Sr. Sci & Heads, SM	37
10.	Review meeting of Kisan Mela 2022	06.10.2022	Sr. Sci & Heads, SMSs	48
11.	Review meeting of CRM, Centre of Excellence, Natural Farming projects and preparedness of Rabi season	13.10.2023	Sr. Sci & Heads, SMSs	109
12.	Review meeting of CRM, CoE and RKVY Projects	19.11.2022	Sr. Sci & Heads, SMSs	76
13.	Review Meet on Natural Farming, NICRA and CRM	15.12.2022	Sr. Sci & Heads, SMSs	87
14.	Review meeting of KVKs for the progress of CRM, RKVY, NICRA, etc	03.02.2023	Sr. Sci & Heads, SMSs	45
15.	Review meet on KVK budget and manpower	10.02.2023	Sr. Sci & Heads, SMSs	52
16.	Review meeting of KVKs for organizing Kisan Mela and other flagship activities	01.03.2023	Sr. Sci & Heads, SMSs	56
17.	Review meeting of KVKs	03.03.2023	Sr. Sci & Heads, SMSs	54
18.	Review meet on Kisan mela	10.03.2023	Sr. Sci & Heads, SMSs	64
19.	Kisan mela review meet	14.03.2023	Sr. Sci & Heads, SMSs	39
20.	Kisan mela review meet	16.03.2023	Sr. Sci & Heads, SMSs	69

KRISHI VIGYAN KENDRA

On Farm Testing (OFTs) of technologies

On Farm tests (OFTs) are conducted in various KVKs of the university in different thematic areas, viz., integrated crop management, integrated disease management, integrated pest management, integrated nutrient management, varietal evaluation, weed management, water management, farm technology and technologies related to livestock, home science and other enterprises. During the year, KVKs assessed 247 technologies in 1309 trials conducted at different locations on farmers' fields through On-farm Trials (OFT). The KVKs of the university assessed the suitability of 198 crop-based

technologies in 991 locations, 33 animal-based technologies in 197 locations and 16 technologies on enterprises in 121 locations. A total of 198 technologies were on crops of which 62 were new and improved crop varieties. Among the other crop production and protection technologies, 26 were on INM and on weed management each, 25 on IPM and 20 on IDM. Out of 33 technologies assessed in animal category, 14 were on nutrition management, 06 on feed and fodder management and 05 on dairy management. Among various other enterprises were the other themes wherein 16 technologies were assessed.

Details of thematic area wise technologies assessed in OFTs by KVKs

Thematic Area	No. of Technologies	No. of Trials	No. of KVKs
Crops			
Integrated Nutrient Management (INM)	26	134	15
Varietal Evaluation	62	305	24
Integrated Pest Management (IPM)	25	117	17
Integrated crop management (ICM)	13	60	10
Integrated disease management (IDM)	20	103	15
Weed Management	26	142	16
Integrated Farming system (IFS)	2	10	2
Farm Mechanization (FM)	4	16	2
Drudgery reduction (DR)	3	11	2
Resource conservation Technology (RCT)	14	75	11
Information and communication technology (ICT)	1	5	1
Storage Technology (ST)	2	13	2
Total	198	991	25
Livestock			
Disease Management	4	18	4
Feed and Fodder management	6	33	5
Nutrition Management	14	97	9
Production and Management	1	3	1
Health Management	1	4	1
Composite fish culture	2	8	2
Dairy Management	5	34	4
Total	33	197	16



Enterprises			
House hold food security	6	24	5
Value Addition	6	77	5
Farm Machinery	2	8	1
Nutritional Gardening	2	12	2
Total	16	121	10
Grand Total	247	1309	25



**OFT on direct seeding of paddy through
super seeder : KVK Mau**



**OFT on Rice Kala Namak variety Pusa
Narendra 1638: KVK Siddharthnagar**



**OFT on wheat sowing through super seeder
: KVK Santkabir Nagar**



**OFT on early nursery raising technique
of cauliflower : KVK Bahraich II**



**OFT on Brinjal variety Navkiran
: KVK Ambedkar Nagar**



**OFT on onion variety NHRDF
Red 4: KVK Bahraich I**

Frontline Demonstrations

Frontline Demonstrations were organized by the KVKs to demonstrate the production potential of crop varieties, crop and animal husbandry technologies and agricultural implements at several location-specific farming and agro-ecological situations. Training programmes and field days were organized for extension workers and farmers for rapid dissemination of improved technologies.

A total of 9868 demonstrations were conducted in 2922.97 ha on field crops, horticultural crops, tools and implements and livestock by KVKs (Table 8). In crops, 9111 demonstrations were conducted by 25 KVKs covering cereals, commercial crops, fodder crops, vegetables, fruits, flowers, spices, plantation crops and medicinal plants in 2922.97 ha area. Among the crops, 4099 demonstrations were conducted on pulses, 2246

demonstrations were conducted on oilseed crops, 1906 demonstrations were conducted on field crops and 430 on horticultural crops. A total of 366 demonstrations were conducted on commercial crops and spices, 64 on tools and implements, 252 on livestock, 339 on various enterprises and 166 on women related demonstrations. Among cereal crops, 1063 demonstrations were conducted on wheat varieties and other production and protection technologies. In pulses out of 4099 demonstrations, 1341 were in lentil and 1081 were in pigeon pea. Among the oilseed crops, 1471 were in rapeseed & mustard and 349 in sesame. Among 430 demonstrations in vegetables, 111 were in okra and 67 in onions. Out of 90 demonstrations in spices and condiments, 50 were on turmeric and 30 were on coriander. Among commercial crops, 35 demonstrations were on potatoes.

Achievements of FLD during 2022 – 23

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Pulses	4099	1311.00	
Oilseeds	2246	803.80	
Cereals	1906	727.32	
Vegetables	430	32.20	
Other crops	366	24.15	
Farm implements	64	24.50	
Total	9111	2922.97	
Livestock & Fisheries	252		927
Other enterprises	339		440
Women enterprise	166		
Total	757		1367
Grand Total	9868	2922.97	1367



FLD on paddy with mango intercropping :
KVK Chandauli



Direct seeding of paddy through super
seeder : KVK Gonda II



**FLD on papaya variety Red Lady 786 :
KVK Sultanpur II**



**FLD on drone application in agriculture:
KVK Varanasi**



**Release of fingerlings in pond :
KVK Ayodhya**



**FLD on broiler farming :
KVK Amethi**



**Vocational training on goat rearing :
KVK Basti**



**Fingerlings distribution as input to tribal fishery
growers : KVK Balrampur**

Trainings

During the reporting period, KVKs conducted 3720 training programmes to 94835 beneficiaries including farmers, rural youth extension functionaries, sponsored trainings, and vocational trainings. A total of 2660 training programmes on agricultural and allied technologies to increase the production and productivity of crops, dairy and others were organized

for 65754 farmers and farm women, 453 trainings were organized for 10325 rural youth, and 256 trainings were organized for 6022 extension functionaries by KVKs. Sponsored trainings were conducted for 8101 beneficiaries and vocational training for 4633 beneficiaries through 148 and 203 programmes, respectively.

Details of client wise training programmes organized by KVKs

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	2660	50423	15331	65754
Rural youths	453	8356	1969	10325
Extension functionaries	256	5211	811	6022
Sponsored Training	148	6972	1129	8101
Vocational Training	203	3948	685	4633
Total	3720	74910	19925	94835



Seasonal training on natural farming :
KVK Sultanpur II



On campus training on Natural farming :
KVK Azamgarh I



In-service training on seed quality and its
improvement : KVK Ayodhya



On campus training on national water mission :
KVK Gorakhpur

Extension Activities

KVKs in the zone engaged in a number of extension programmes and activities in 2022-23. The KVKs utilised modern technological advancements such as ICT in addition to traditional media of technology dissemination to reach out to the unreached. The efforts put by the KVKs during the period to disseminate the improved farming technologies by exploiting over nineteen types of possible extension approaches suitable for the region. KVKs organized 1693 extension activities for creating awareness about latest

improved agricultural technologies in which 573127 farmers and 15553 Extension Personnel participated and benefited. The extension activities included advisory services, exposure visits, animal health camps, technology week, group discussions, method demonstrations, soil health camps, Kisan mela, Kisan goshti etc. The highest activities (270) were undertaken as part of Kisan goshti, while the most beneficiaries (133699) were addressed through various mass outreach programmes like Kisan mela, advisory services etc.



Details of Extension Activities organized by KVKs

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL (farmer + Extn Personnel)	No. of KVKs
Advisory Services	25	133596	3927	150903	25
Diagnostic visits	44	11848	558	12406	25
Field Day	220	9516	412	9928	25
Group discussions	106	6682	372	7054	25
Kisan Goshthi	270	70959	2003	72922	25
Film Show	44	4139	190	4329	12
Self - help groups	71	3242	144	3384	20
Kisan Mela	97	133699	2099	135798	23
Exhibition	71	114901	1374	116275	23
Scientists' visit to farmers field	31	21340	1568	23000	25
Plant/animal health camps	47	6397	536	6933	17
Farm Science Club	13	739	19	758	8
Ex-trainees Sammelan	54	2158	81	2239	18
Farmers' seminar/workshop	46	5927	164	6091	16
Method Demonstrations	118	4398	225	4623	24
Celebration of important days	170	20288	558	20846	25
Special day celebration	119	11118	789	11907	25
Exposure visits	69	5069	208	5277	21
Others	78	7111	326	7437	16
Total	1693	573127	15553	602110	25

Other Extension Activities

To a large extent, mass media serves as a veritable instrument for information dissemination in agriculture. Agricultural extension/information delivery is precisely a process of communication of improved skills, practices, innovations, technologies and knowledge to farmers. For the purpose, KVKs

has organized other extension activities (12164) also. The major activities like electronic media (73), extension literature (7291), news paper coverage (3624), popular articles (375), radio talks (108), and TV talks (49), Animal health camps (618) were performed.

Details of Other Extension Activities organized by KVKs

Particulars	Number	No. of KVKs
Electronic Media (CD./DVD)	73	10
Extension Literature	7291	23
News paper coverage	3624	24
Popular articles	375	24
Radio Talks	108	21
TV Talks	49	13
Animal health amps (Number of animals treated)	618	12
Others	26	9
Total	12164	25



Governor Smt Anandiben Patel visited KVK Chandauli stall exhibition at Community Health Centre, Naugarh : KVK Chandauli



Hon'ble CM visited KVK Chandauli stall exhibition at Mahindra Polytechnique College, Chandauli : KVK Chandauli



Sriyut Surya Pratap Shahi, Ag. Minister UP inspect the exhibition of KVK displayed during State level Kisan Mela & Agriculture Exhibition at University campus



Sriyut Surya Pratap Shahi, Ag. Minister UP inspect the exhibition of KVK displayed during State level Kisan Mela & Agriculture Exhibition at University campus

CRITICAL TECHNOLOGY PRODUCTS

KVKs produce seed of improved varieties/hybrids of crops, planting materials of selected material of plant species, bio products, improved livestock breeds and species to provide them to the farmers thereby facilitating rapid technology transfer.

Seed, Planting material, Bio-products and bio-agents, Livestock Species

KVKs produced and supplied 4776.16 quintals of seed of cereals and millets, 130.59 quintals of oilseeds, 339.76 quintals of pulses, 182.54 quintals of vegetables and commercial crop seeds were produced and Rs 134,77,881 revenue generated.



Planting materials including vegetable seedlings (682165), fodder slips (86500), saplings of fruit trees (15441), flowers and ornamental plants (61400), forestry and plantation crops (18245), etc., totalling 879951 seedlings were supplied to 25780 farmers. A total of 49945 kg of bio fertilizers, 1950 kg of bio

pesticides and 862 kgs of bio-inputs including vermicompost were produced supplied to 1158 farmers. A total of 1579 livestock species, comprising of 20510 fish spawn/seed and 94 sheep and goat were produced and provided to 156 farmers.

Table 12: Production and supply of seeds, planting material, bio-products and livestock

Category	Quintal/Number	Value Rs.
Seed (q)	5428.85	13477881.25
Planting material (No.)	879951	1966660.00
Bio-Products (kg)	52757.25	713100.00
Livestock Production (No.)	1579	370928.00
Fishery production (No.)	20510	128340.00

FLAGSHIP EXTENSION PROGRAMMES: Kisan Melas

A two day State level Agriculture Fair and Technological Exhibition was organized by University during **17 to 18 March, 2023** at main campus. The theme of agriculture fair was "**Millet crop production and value added products**". The Agriculture Fair had more than 80 stalls with exhibits on various agriculture technologies, selling improved seeds, contests for farmers, and so on. The fair was attended by more than 10,000 farmers from all 25 districts of eastern Uttar Pradesh and districts of central and western parts of the state, including farmers associated with ATMA/FPOs/NGOs/ KVK/Kisan Club. On the first day, Kisan Mela was inaugurated by cutting the ribbon on 17th March, 2023 by chief guest Hon'ble Shri Surya Pratap Shahi, Cabinet Minister for Agriculture, Agriculture Education and Research, Government of Uttar Pradesh in the presence of special guest Dr. R.M. Sundaram, Principal Scientist, IIRR, Hyderabad and Dr. Sanjay Singh, Director, IIHR, Bangalore. The main objective of Krishi Mela is to promote and exhibit the agricultural, animal husbandry, fisheries practices related to natural farming. The exhibition serves as a platform for participation by many exhibitors from various organizations for supporting technologies tools, and techniques used in farming, fishing, livestock rearing, and animal health management. The exhibition was organized to create awareness about new and innovative approaches to farming, fisheries and animal husbandry, to educate the general public about the importance of agriculture, animal husbandry

and fisheries, in the country's economy and its overall development. During the Mela, crop-cum-vegetable show was also organized. In the crop show, a display of more than 100 entries of different seasonal vegetables, cereals and fruits received from the farmers were organized. The panel of judges evaluated the entries for giving prizes under each entry. On the second day, an animal exhibition and Kisan Goshthi were organized. Apart from the farmers, a huge crowd of animal lovers was present at the animal exhibition. Among the big animals; many breeds of cow, buffalo and horse were also seen in the exhibition. After the animal exhibition, a farmer's goshthi was organized, the theme of which was "Increasing youth's attachment to agriculture". Cabinet Minister Dr. Sanjay Kumar Nishad ji was the chief guest on the occasion of the conclusion of Kisan Mela. About 80 stalls were set up in the Kisan Mela. About 10 thousand farmers visited the Kisan Mela and observed the agricultural products. The minister also honoured 30 progressive farmers as well as those who set up 80 stalls.

All the KVKs and colleges of the university exhibited agricultural technologies through stalls on the exhibitions. During the Kisan Mela technical sessions and krishak goshties were continued on both days. Lectures on improved production technologies were delivered by the experts from university in local languages. Interactive sessions were well organized between scientist and farmers after the formal inaugural session. Apart from this, a seminar for sharing the success stories of farmers was also organized. Fifteen farmers delivered talk on innovative

approaches adopted by them successfully. Approximately 4000 students of schools and colleges, scientists and local resident from the university participated in the event.

Beside this, several Kisan Melas were also organized at Krishi Vigyan Kendras under

special programmes like 'Kisan Bhagidari Prathamika Humari' at each KVKs, 02 Kisan Melas at each districts having CRM projects, 04 Kisan Melas under RKVY projects. In total, thirty eight Kisan Melas were also conducted at different districts of eastern Uttar Pradesh.

Organizations of Kisan Melas at head quarter and KVKs

S.No.	Kisan Mela	Date	Organized by	No. of participants
1.	State level Kisan Mela (01)	17-18 March, 2023	Directorate of Extension	19000
2.	Krishi Vigyan Mela (22)	26 April, 2022	All KVKs	1,00,000
3.	Sc SP Kisan Mela (01)	20 May, 2022	KVK Mau	350
4.	Virat Kisan Mela (05)	18-20 Oct, 2022	Agriculture Department, Deoria	2600
5.	Jal Shakti Kisan Mela (01)	11 Nov, 2022	KVK Shrawasti	300
6.	Jal Shakti Kisan Mela (01)	14 Nov, 2022	KVK Basti	300
7.	CRM Mela (02)	09-10 Feb, 2023	KVK Varanasi	750
8.	CRM Mela (02)	15-16 Feb, 2023	KVK Azamgarh I	750
9.	CRM Mela (02)	20-21 Feb, 2023	KVK Jaunpur I	750
10.	RKVY Mela (01)	24 Feb, 2023	KVK Mau	400
11.	Virat Kisan Mela (01)	24-26 Feb, 2023	KVK Jaunpur I	1500
12.	RKVY Mela (01)	25 Feb, 2023	KVK Gazipur II	400
13.	CRM Mela (02)	03-04 March, 2023	KVK Bahraich I	750
14.	RKVY Mela (01)	05 March, 2023	KVK Bahraich II	400
15.	Virat Kisan Mela (01)	17-20 March, 2023	Agriculture Department, Bahraich	1600
16.	CRM Mela (02)	23-24 March, 2023	KVK Mahrajganj	750



CRM Kisan Mela (15.02.2023) : KVK Azamgarh I



CRM Kisan Mela (20.02.2023) : KVK Jaunpur I

Enhancement of livelihood of Tharu Community through Back Yard Poultry and Goat Husbandry

A project was operated under RKVY for the establishment of Assured Income Enhancement Model Goat and Back Yard Poultry (BYP) Farming in Balarampur Districts, Uttar Pradesh. This project aspires to enhance the capabilities of poor rearers through 400 units of Goat (5+1) breeds Barbari and Sirohi and 2000 Back Yard Poultry (25 birds per Tharu family) breed Karaknath in Tharu dominated area of the districts in Panchperwa and Gaisari C.D.Bloks, to ensure additional annual income from current average income. The units of Goat (50+5 Barbari and 50+5 Sirohi) breeds and Back Yard Poultry (2000 birds per Unit) breed Karaknath, along with hatchery were also established at college of Veterinary Science and Animal Husbandry and Krishi Vigyan Kendra, Panchperawa, Balarampur to provide backup to Tharu community and students of college. A PRA survey was conducted and it was observed that the model contributes 40 percent of the households' income and about 80% of livestock are owned by the landless, small and marginal farmers. Generally, the poorer and vulnerable families use cattle for agriculture purposes and still today, and small ruminants and fowls are used as a buffer and coping mechanism during financial crises in the family. In



addition, it is also a major source of protein for rural households. They live in the fertile Terai belt of Nepal, but self-sufficiency

in crop production is not observed. Rapid urbanization and trade after the construction of the highway, rural roads, solar lights in villages and tourist flourishing. This proved beneficial to the immigrants but degraded the agricultural status of Tharu. The RRA Survey was also conducted in these



random sampling for the questionnaire. Agriculture was their primary occupation, but their socioeconomic status was unsatisfactory. They were rich in ITK. Some of the traditional tools used in agriculture were Borshi, Jha jha, Dihuri, Dhimmar,

areas from September, 2020 to October, 2022 to comprehend the relationship between the socioeconomic status of the Tharu and agriculture. A total of 2400 households were selected by simple survey using a pretested



wooden nod, Darba and Khonga. About 30% of mechanization was reported in overall cultivation practices. Farming at the subsistence



level was practiced by more than half of the households. The major reasons behind this were lack of sufficient extension facilities, migration, land fragmentation, and the dominant psychology of

traditional cultivation. The 20 trainings on back yard poultry were organized from 30th November to 15th December, 2022 and distribution of 25 chicks along with feeder, drinker, supplement food, multivitamin and antibiotic medicine were also provided to each trainee.

Har Ghar Tiranga Drive

University and their 25 KVKs has celebrated 'Har Ghar Tiranga', a campaign under the aegis of Azadi Ka Amrit Mahotsav to mark the 75th year of India's independence. Under the Amrit Mahotsav of Azadi, the Independence Week was started in the Krishi Vigyan Kendra, Ghazipur, Chandauli, Barabanki and Basti by Hon'ble Shri Surya Pratap Shahi Ji, Minister of Agriculture, Agriculture Education and Research, U.P. Government.

Krishi Vigyan Kendra Basti awarded with Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar

Krishi Vigyan Kendra, Basti under high spirited and invigorating leadership of Dr Bijendra Singh, Hon'ble Vice Chancellor ascends the ladder of professional competency through the steps of success with innovative ideologies and technologies and bagged Pandit Deen Dayal Updhaya Rashtriya Krishi Vigyan Protsahan Purskar Award as judged by evaluation of the performance indicators that was presented before the impartial evaluators at ICAR. The Indian Council of Agricultural Research conferred the prestigious national award to KVK, Basti for its outstanding contribution in the field of agriculture. This award has been instituted to promote healthy competition among Krishi Vigyan Kendras (KVKs) at National Level for application of science and technology in agriculture. The Award was given to KVK, in the gracious presence of Narendra Singh Tomar (Agriculture Union Minister), Purshottam Rupala (Union Fisheries and Animal Husbandry Minister), Kailash Chaudhry (Union Agriculture State Minister, New Delhi) and Director General ICAR Dr Trilochan Mohapatra.

Kisan Vigyan Mela under Kisan Bhagidari Prathmikta Hamari Abhiyan – 2022

All the Krishi Vigyan Kendras of University jurisdiction organized the Farmers' Fair and Awareness Programme to celebrate the “*Kisan Bhagidari, Prathmikta Hamari*” Campaign on the occasion of 75th year of *Azadi Ka Amrut Mahotsav* on 26th April, 2022 as per the instructions of the Government of India and ICAR-Agricultural Technology Application Research Institute, Rawatpur, Kanpur. The Programme was aimed at sensitizing the farmers about the natural and organic farming, bio-fortified crop varieties, oilseeds and millets along with the special role of these crops in the economic and nutritional security of the farming community. Kisan Melas of all Krishi Vigyan Kendras were inaugurated by the public representatives of the respective districts in the presence of officials and media representatives. Progressive farmers and women of the district were invited to the fair. In this fair, detailed information was given about natural farming and production of millets ie *Sri Anna*. During the programme different activities like farmer scientist interaction, animal health camp, exhibition, farm visit and visit to different demonstration units were carried out. An exhibition stall was also organized during the Kisan Mela. In the exhibition stall, live exhibits displayed by various farmer producer groups and government departments so that farming community were benefited. Progressive farmers from respective districts were felicitated by the Agriculture Department, under the Agricultural Technology Management Agency (ATMA) scheme, for their commendable work in agriculture. Likewise, various farmers from different villages who participated in skill development training at KVK and developed as entrepreneurs were also felicitated on the occasion.

National Campaign on Poshan Abhiyan and Tree Plantation on 17 September 2022

National Campaign on Poshan Abhiyan and Tree Plantation has been organized by Krishi Vigyan Kendras (KVKs) on 17 September, 2022 inviting the Public Representatives, scientists, experts and farmers/farm women at KVK instructional farm and conducted capacity development programme for Anganwadi teachers, farm women and the students aimed to sensitize on various aspects of nutrition to address malnutrition by bringing change in the food



system through creating awareness on different interventions. Following events were carried out during the campaign:

- Awareness on Nutri-garden and bio-fortified varieties
- Interaction on nutri-cereals and their role on human health
- Distribution of saplings of fruit/agro-forestry trees and seed packets of vegetables

The event was organized as per the directives of the Union Agricultural Ministry, commemorating the 72nd Birthday celebrations of Prime Minister Narendra Modi. The online gathering witnessed the presence of Union Agriculture Minister Sri Narendra Singh Tomar, who addressed the participants. Highlighting the nationwide significance of the Poshan Abhiyan program, Minister Tomar emphasized the distribution of over 2 lakh vegetable seed kits and the plantation of 8 lakh saplings across 713 Krishi Vigyan Kendras. Furthermore, he stressed the importance of preserving soil fertility through the use of nano urea, a modern technology that not only enhances profitability for farmers but also contributes to India's self-reliance in agriculture. During the interaction programme, strategies to increase the production and productivity of millets, nutri-thali, kitchen gardening and biofortified varieties were highlighted on the occasion. IFFCO provided saplings of fruit plants and 100 seed packets of vegetable at each KVKs of University for distribution to farmers. The distribution of 100 kitchen garden kits (seasonal vegetable seeds) and fruit saplings were provided to the participants to promote the nutritional security followed by tree plantation activities at KVK campus and their farms.

Live webcast of Prime Minister Kisan Samman Sammelan 2022 and Agri Startup Conclave

University and all Krishi Vigyan Kendra organized a live webcast of the “Prime Minister Kisan Samman Sammelan 2022 and Agri Startup Conclave” which was inaugurated by Prime Minister Shri Narendra Modi in the presence of Shri Mansukh Mandaviya, Minister of State for Chemicals and Fertilizers of India, Shri Narendra Singh Tomar, Minister of Agriculture & Farmers Welfare at ICAR – Indian Agriculture Research Institute, New Delhi on 17th October 2022. All of the gatherings at University headquarter and KVKs listened to the lectures of Shri

Mansukh Mandaviya, Minister of State for Chemicals and Fertilizers of India, Shri Narendra Singh Tomar, Minister of Agriculture & Farmers Welfare, and Prime Minister Shri Narendra Modi. The Prime Minister, Shri Narendra Modi, inaugurated the programme and released the 12th installment amount of Rs. 16,000 crores under the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) through Direct Benefit Transfer. In this programme Prime minister also inaugurated 600 “Pradhan Mantri Kisan Samruddhi Kendras (PMKSK)”, launched Pradhan Mantri Bhartiya Jan Urvarak Pariyojana – One Nation One Fertiliser and an e-magazine 'Indian Edge'. More than 200 farmers and farm women at each districts of eastern Uttar Pradesh viewed the live telecast of the programme through Krishi Vigyan Kendras. Each KVKs also organized Krishak gosthies and interaction programmes for the farming community and briefed various schemes implemented for doubling the income of the farmers. Farmers expressed happiness over the experience of attending the event via live telecast.

Agriculture Education Day

Indian Council of Agricultural Research has designated on 3rd December as “Agricultural Education Day” to commemorate the birth anniversary of first President of Independent India and Union Minister of Agriculture, Bharat Ratna, Dr. Rajendra Prasad. The objective of this day was to expose students including schools to various facets of agriculture and its relevance to country's development, inspire them and attract them towards agriculture, so that they develop interest in agriculture and allied subjects, choose professional career after schooling in some of these courses, engage themselves in agriculture and related activities or become agri entrepreneurs in future.

World Soil Day

Organization of World Soil Day programme as decided by International Soil Science Group on December 05, 2022 and the theme for World Soil Day 2022 was decided 'Soil, where food begins'. ICAR-Agricultural Technology Application Research Institute, Rawatpur, Kanpur and Government of India decided to organize World Soil Day at all Krishi Vigyan Kendras and Directorate of Extension. The programme aimed to raise awareness of the importance of maintaining healthy ecosystems and human well-being by addressing the growing challenges in soil



World Soil Day celebrated on 05.12.2022 : KVK Sultanpur II

management, increasing soil awareness and encouraging societies to improve soil health. On this occasion, various events such as awareness campaigns, lecture, field and lab visit, demonstrations, lecture by experts, group discussion, debating, etc. were organized. A total 4,500 participants comprising of dignitaries, scientists, farmers, technical staff, and students attended physically across the region.

Kisan Samman Diwas

Acharya Narendra Dev University of Agriculture and Technology, Kumarganj, Ayodhya, on the occasion of the 120th birthday of Hon'ble late Chaudhary Charan Singh (former Prime Minister) Ji, Kisan Samman Diwas was celebrated by the University and all the Krishi Vigyan Kendras, on December 23, 2022. The

day was celebrated with great enthusiasm. On the occasion of Kisan Samman Divas, Kisan Gosthi was organized at the Kendras and University. This event was organized with the guidance of State Government and ICAR-Agricultural Technology Application Research Institute, Kanpur. In the technical session, topics like natural farming, crop residue management, importance and utility of pulses and oilseed crops, their production techniques, etc. were informed through scientific talks through kisan goshthi. The technical problems of the farmers were also resolved during the seminar. On this occasion, progressive farmers and farm women were invited by each Krishi Vigyan Kendra and University. On this occasion, progressive farmers and farm women selected in the respective districts were honored with certificates for their excellent work.



Kisan Samman Diwas : KVK Sultanpur II



Certificate distributed to progressive farmers : KVK Azamgarh I



STUDENTS AMENITIES

STUDENTS' PROFILE

The total strength of the students on roll in the university is around one thousand nine hundred and sixty four. Basic amenities like hostel, cooperative mess, canteens, sports complex, medical facilities etc. have been provided to all the students residing at main and away campus. A Dean Students Welfare monitors the interest of the students. The University provides all encouragement to the students for personality development, sports, cultural programme, competitive exams.

Students Admission of Academic Year 2022-23 in the University in all Constituent Colleges :

S.No.	Name of College		Number of Students			
			Bachelor's	Master's	Ph.D.	Total
1	College of Agriculture (Main Campus & Azamgarh Campus)	Intake ^{1st} Year	245	261	78	584
		Enrolled ^{1st} Year	236	215	53	504
2	College of Horticulture & Forestry	Intake ^{1st} Year	100	59	21	180
		Enrolled ^{1st} Year	92	49	15	156
3	College of Community Science	Intake ^{1st} Year	41	09	03	53
		Enrolled ^{1st} Year	05	04	02	11
4	College of Fisheries	Intake ^{1st} Year	31	07	-	38
		Enrolled ^{1st} Year	21	07	-	28
5	College of Veterinary Science & Animal Husbandry	Intake ^{1st} Year	80	87	52	219
		Enrolled ^{1st} Year	80	24	04	108
6	College of Agricultural Engineering & Technology	Intake ^{1st} Year	160	12	-	172
		Enrolled ^{1st} Year	22	07	-	29

Category wise number of students in the university admitted during the year 2022-23

Degree Programme	Number of students in different categories						
	SC	ST	OBC	EWS	General (UR)	Foreigner	Total
Bachelors	100	07	236	52	61	-	456
Master's	54	04	124	48	76	-	306
Ph.D.	18	01	31	05	19	-	74
Total	172	12	391	105	156	-	836

Gender Pattern amongst students Enrolled in the University during 2022-23

S.No.	Name of College		Number of Students			
			Bachelor's	Master's	Ph.D.	Total
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6	College of Agricultural Engineering & Technology	Intake ^{1st} Year	160	12	-	172
		Enrolled ^{1st} Year	22	07	-	29

Convocation Held

24th Convocation of the University was held on 16th January 2023. On this Occasion, Shri. Surya Pratap Shahi ji, Minister of Agriculture, Agricultural Education and Agricultural Research was the Chief guest. Hon'ble Governor and the Chancellor of the University Smt. Anandiben Patel awarded a total of 545 degrees comprising of 293 Under Graduates, 180 Post Graduates and 72 Ph.D students. Out of 545, 88.62% were boys and 11.38 % were girls.

Medals awarded to students during 24th Convocation

S. No.	Particulars	Numbers
1	Chancellor's Medal	06
2	Vice-Chancellor's Medal	12
3	University Gold medal	07
4	Total Gold medal	25
5	Number of girls	10
6	Number of boys	15
7	Percentage of girls winning gold medal	40.00%
8	Percentage of boys winning gold medal	60.00%



STUDENT'S WELFARE ACTIVITIES

Dr. D.K. Dwivedi, Dean Student's Welfare

The Dean Student's Welfare holds responsibility of organizing and managing all matters related to students' welfare, conduct and discipline. Under the able guidance of Hon'ble Vice Chancellor, office of the Dean Student's Welfare functions as a nodal centre to promote cooperation, coordination, congenial living environment and overall development of students by monitoring and supervising day to day essential support required for academic and co-curricular activities of the students. The Dean Student's Welfare Office provides boarding, lodging, facilities for entertainment and sports and security to the all-registered students. This office facilitates the students in getting fee concession, fee reimbursement, scholarship/fellowship stipend etc. and also plays the pivotal role to maintain discipline among the students. The office also provides medical facilities for the students in any ailing conditions. Organization of games and sports for the students round the year and Annual Sports Meet is also one of the major responsibilities of the office. Providing platform and tools to acquire knowledge, all round development of the students with personality and leadership qualities, and better career opportunities among the students is the another most important responsibility of this office.

HOSTELS:

Being a residential University, Narendera Deva University of Agriculture and Technology has a total of 21 hostels providing comfortable and safe

accommodation for 2200 students. The functioning of the Hostels is governed by the Hostel Rules and Regulations. DSW with his team of ADSW, wardens, Assistant Wardens and other hostel staff in addition to his office staff proficiently looks after the day-to-day activities of the hostel. They are like guardians and work day and night to cater the needs of thousands of students residing in hostels. Sometimes, the team has to take stringent actions against students to maintain the discipline. But this is again done for the welfare of the students. Hostels are home away from home and thus designed to give comfortable stay to students limiting the scope of home sickness. All the hostels are spacious and equipped with modern facilities, well-ventilated and cleaned daily maintaining proper hygiene and civic amenities. Recreational facilities are also available with a common room equipped with a colored T.V., cable facility and newspaper etc. The hostel mess is equipped with refrigerator, water cooler and utensils in adequate quantity. Out of 21 hostels, five hostels for girls and one for international students. Separate arrangements for post-graduate and undergraduate students are available. Most hostels are double and triple seated. Each hostel mess is run and managed by the students on cooperative basis. Girl's hostel mess is run by the contractor in the guidance of the university. Generator facility is provided in most of the hostels. In seven hostels Volley ball, Badminton and Table tennis facilities are provided.

Status of Hostels and their strength

Name of the Hostels							
S. No.	Hostel	Rooms	Seats	Sr. No.	Hostel	Rooms	Seats
1.	Ganga Hostel	108	130	12.	Gomti Girls Hostel	52	126
2.	Yamuna Hostel	104	148	13.	Niranjana Hostel	19	38
3.	Saryu Hostel	112	156	14.	Gomti Girls Hostel Phase-2	20	60
4.	Kalindi Hostel	70	120	15.	Brahmaputra Hostel	40	120
5.	Varuna Hostel	110	130	16.	Achirawati Hostel	22	44
6.	Rohini Hostel	40	120	17.	Godawari Hostel Ambedkarnagar	45	105

7.	Hiranawati Hostel	58	116	18.	Kaveri Hostel Ambedkarnagar	100	150
8.	Anoma Hostel	34	102	19.	Girls Hostel Ambedkarnagar	05	20
9.	Amrawati Hostel	50	100	20.	Boy's Hostel, Azamgarh	80	240
10.	Saraswati Hostel	35	70	21.	Girls's Hostel, Azamgarh	16	48
11.	Rapti Hostel	40	120				

Hostels and Hostel Wardens with Assistant Hostel Wardens

S. No.	Name of Hostel Warden/Assistant Hostel Warden	Hostel Name
1.	Dr. D. K. Dwivedi	Dean Student Welfare
2.	Dr. S. P. Singh	Assoc. Dean Student Welfare
3.	Dr. Shiv Nath	Hostel Warden
4.	Dr. R.K. Pathak	AHW (Yamuna)
5.	Dr. Aastik Jha	AHW (Ganga)
6.	Dr. Sameer Kumar Singh	AHW (Saryu)
7.	Dr. Mukesh Kumar	AHW (Achrawati International)
8.	Dr. Ruma Devi	Hostel Warden
9.	Dr. Jyoti Saroj	AHW (Gomti)
10.	Dr. Zeba Jamal	AHW (Niranjana)
11.	Dr. Supriya	AHW (Phase-2) Girls
12.	Dr. Sadhna Singh	Hostel Warden
13.	Dr. Piyusha Singh	AHW (Rapti)
14.	Dr. Vibha Parihar	AHW (Mandakini)
15.	Dr. Jaswant Singh	Hostel Warden
16.	Dr. K.K. Tripathi	AHW (Kalindi)
17.	Dr. J.P. Singh	AHW (Varuna)
18.	Dr. Hemant Kumar Singh	AHW (Amrawati)
19.	Dr. S.P. Singh	Hostel Warden
20.	Dr. N.R. Meena	AHW (Hiranawati)
21.	Dr. Alok Kumar Pandey	AHW (Rohini)
22.	Dr. Dinesh Kumar	AHW (Brahmhaputra)
23.	Dr. N.A. Khan	Hostel Warden
24.	Dr. K.N. Singh	AHW (Anoma)
25.	Dr. Shiv Pratap Singh	AHW (Saraswati)
26.	Dr. P.K. Mishra	Hostel Warden (MCAET)
27.	Dr. Manish Kumar	AHW (Godawari Mahila Hostel)
28.	Dr. Vikash Kumar Singh	AHW (Kavery Hostel)
29.	Dr. Vinay Kumar	Hostel Warden (Azamgarh)
30.	Dr. Vimlesh Kumar	AHW (Azamgarh)
31.	Dr. Sandeep Kumar Pandey	AHW (Azamgarh)



FINANCIALAIDS/SCHOLARSHIPS:

The financial assistance is available for students. There are about 20 types of scholarships such as University financed scholarships, I.C.A.R., U.G.C., Samaj Kalyan Vibhag Scholarship for scheduled caste/Scheduled tribes, General categories and Minority, Other backward class scholarships from Govt. of U.P. and Mandi Parishad scholarships are available for the students.

Details of Scholarships in the University:

S. No.	Details of Scholarships	No. of Students	Amounts	Remarks
1-	University Merit Scholarship			
a)	Ph. D.	06 Students in each Deptt.	Rs. 1500/- per month	-
b)	M. Sc. (Ag.)/ Home Sci./ M.V.Sc.)	01 Student in each Deptt.	Rs. 500/- per month	-
c)	B. Sc. (Ag./ Home Sci./ B.V.Sc. & A.H.	15 per cent of the total admitted students in a year.	Rs. 150/- per month	-
2-	Junior Research Fellowship for M. Sc. (Ag./Home Science) students	-	Rs. 6840/- per month	Selected by ICAR through entrance examination.
3-	SRF for Ph. D. students	--	Rs.12,000/- per month and after 02 year Rs.14000 per month	Selected by ICAR through entrance examination.
	DST/INSPIRE Fellowship	08 students	Rs. 25,000/- per month+ HRA + Contingency	Selected by UGC through entrance examination
4-	National Talent Scholarship B. Sc. (Ag./Home Sci./ Ag. Eng./ Fisheries/ Hort.)	119 students	Rs. 2000/- per month and Rs.800/- per month U.P students	-do-
5.	U.P. Mandi Parishad Scholarship			
a)	M. Sc. (Ag.)	15 Students	Rs. 3000/- per month	These scholarships have been given to son/daughter of Laghu Seemant Farmers and selected on the basis of intermediate/B.Sc./M.Sc. Level merit.
b)	M. Sc. (Home Sci.)	10 Students	-do-	
c)	B. Sc. (Ag.)	25 Students	-do-	
d)	B. Sc. (Home Sci.)		-do-	
6-	U.P. Govt. Scholarships			These scholarships have been given to students whose guardians income is below Rs. 2.5 lac per year SC/ST and other 2.00 lac. Rate of scholarship of Hosteller students is Rs. 1200/= PM and Day Scholars is Rs. 550/- per month with complete fee reimbursement
a)	SC/ST Category Scholarship	-	Rs. 1200/- per month	
b)	General Category Scholarship	-	-do-	
c)	OBC Category Scholarship	-	-do-	
d)	Minority Category Scholarship	-	-do-	

In the academic year 2022-23, 8 students benefited with university merit scholarship, 83 students with Mandi Parishad and 119 students with National Talent Scholarship of ICAR, New Delhi, 134 students availed RAWA and Internship stipend.

PHYSICAL EDUCATION:

The university lays a great emphasis on the role of games and sports to keep the students physically efficient, mentally alert, morally sound and socially well behaved. These activities are organized through 20 games and sports units like Athletics, Badminton, Basketball, Cricket, Football, Gymnastics, Hockey, Indoor games, Kabaddi, Tennis, Kho-Kho, Handball, Swimming, Table Tennis, Volley ball and Yoga exercises under over all supervision of University

Sports Council/ Dean Student's Welfare. The University provides required games and sports materials to the hostels as well as University ground. A central playground adequately equipped with gymnasium, physical fitness equipments and a swimming pool (under construction) exists inside the sports complex.

SPORTS COACHING FACILITIES:

Coaching facilities are available in the University playground for making the students efficient in various games. The students can contact the physical education Staff / Presidents of various games for guidance. List of Officer In-charge, Sports and presidents are below:

1.	Dr. Sanjay Pathak	Officer In-charge, Sports & Games	13	Dr. P.K. Chaudhary	President, Body building
2.	Dr. Rishikant	Assistant Officer In-charge (Indoor Sports & Games)	15.	Er. V.K. Singh	President, Volleyball
3.	Dr. Bhanu Pratap	President, Lawn Tennis	17.	Dr. Mukesh Kumar	President, Cricket
4.	Dr. Suman Maurya	President, Cultural Programmes	18.	Dr. Raj Bahadur	President, Swimming
5.	Dr. Shivesh Singh Sengar	President, Basket Ball	19	Dr. Laxmi Prasad	President, Scientific Programmes
6.		President, Social Programmes	20.	Dr. S.P. Singh	President, Kho-Kho
7.	Dr. Jaswant Singh	President, Discuss/ Debate	21.	Dr. Naveen Kumar	President, Indoor Games
8.	Dr. Adesh Kumar	President, Badminton	22.	Er. Om Prakash	President, Table Tennis
9.	Dr. Promod Kumar	President, Hand Ball	23.	Dr. Susheel Kumar	President, Hokey
10.	Dr. Sadhana Singh	President, Girl's Sports			

ALL INDIA INTER AGRICULTURAL

UNIVERSITY SPORTS:

Forty students comprising of 37 boys and 03 girls from different colleges of our university participated in the **All India Agri-Sports-2022** organized by Chaudhary Charan Singh Agriculture

University, Hisar, and Haryana from 20 Feb. to 24 Feb. 2023. Our students participated in different sports events like Badminton, Kho-Kho, Table Tennis, Football, Volley ball, Shot put, Discus Throw, Javelin throw etc. Dr. Rishikant, Assistant Professor from College of Veterinary Science & Animal Husbandry



and Dr. Dev Narayan, Sports Teacher were deputed as Team Managers to lead the students from different colleges of the university in Agri- Sports-2022 and to maintain the discipline among the students on the way of journey and during their stay at Hisar, Haryana.

NSS and NCC:

Four units of NSS and half coy of NCC was started during 2022-23.

MOU SIGNED:

The MOU signed between NDUAT and Medha Learning Foundation, Lucknow to establish the Career Service Centre to train the students about the Career Advancement Bootcamp, Life Skills Advancement Bootcamp and Technology Bootcamp. Medha is providing 21st century skills training, career counseling and workplace exposure, and ongoing job placement support to our university students.

HOSTEL RENOVATION:

Renovation of Kalindi, Varuna, Amarawati, Gomti, Niranjana, Saryu, Saraswati, Anoma and other hostels has been done. New Volley ball field and Badminton court has been inaugurated by Hon'ble Vice Chancellor.

ANTI-RAGGING MEASURES:

This University has the track record of being a completely ragging free academic campus and hostels. As per the guidelines of University Grant Commission, ICAR and State Govt. University has made following committees to make University Campus ragging free zone.

1. Anti-ragging Committee
2. Anti-ragging Squad
3. Anti-ragging Monitoring Committee
4. Ragging Monitoring Cell

No ragging cases were reported in this University so far in the current session as well as in the last academic session.

OTHER ACTIVITIES

- Kitchen, dining places, toilets, bath rooms and gallery of all the hostels has been repaired and renovated.

- Water Cooler with RO facilities have been provided in all hostels.
- Sufficient chairs in the dining room have been provided and all the table tops have been renovated in most of the hostels.
- All the indoor and outdoor sports facilities have been established in the girl's hostel.
- Sanitary machines for sanitary napkin disposal have been established in all the toilets of the girl's hostels.
- In all hostels, ordinary bulb has been replaced by LED bulbs and proper lighting facilities in the hostel and hostel premises have been assured. All the street lights of different hostels has been fitted with LED lights and maintained in working condition.
- Surroundings of all the hostels have been cleaned to maintain a hygienic atmosphere in the hostel.
- Sport field and Gymnasium were strengthened to promote the sport & game among the students. University has organized the traditional Indian game in 2023 in which 418 students were participated. Forty students of the university participated in 21th All India Inter University game competition in Feb. 2023 organized by Chaudhary Charan Singh Agriculture University, Hisar, Haryana.
- 800 saplings were planted around the sport field.
- 2800 Teachers, Staff & Students participated in World Yoga Divas 21 June, 2023 organized by the university.
- Meditation and Yoga center has been established in Game & Sport field.
- Twenty-two students participated in 21st All India Inter Agriculture University. Cultural Programme in month of March, 2023 organized by UAS Bengaluru. One student was winner in Fine Art event and one other student was runner in literary event.
- It has been proposed to establish the four big R.O. unit in the Hostels.

DIRECTORATE OF PLACEMENT

Dr. D. Niyogi, Director

Directorate of Placement is a separate wing with One Director and one Deputy Director and coordinators from different colleges to make a linkage with the activities of placement cell.

Director	Dr. D. Niyogi
Deputy Director	Dr. Satyavrat Singh
Coordinators	
College of Agriculture	Dr. Shamboo Prasad
College of Veterinary Science	Dr. Satyavrat Singh
College of Horticulture	Dr. Sanjay Pathak
College of Fisheries	Dr. Dinesh Kumar

The main endeavor of the Placement Cell of the university is to get the students placed in reputed multinationals, government organizations, NGO's and the Private Sectors by coordinating between the students and different private organizations. The directorate is committed to provide all possible assistance to its students in their efforts to find employment. The mission is to train the students on industry needs and provide the best of opportunities available in India and abroad for the university students. The goal therefore is to provide career guidance and 100% placement opportunities to our students working on their weakness, imbibing confidence and giving a perfect shape or start to the budding technocrats in their respective fields.

The University has been imparting job oriented professional education in different field's viz. Agriculture, Horticulture, Veterinary Science & Animal Husbandry, Home Science, Agricultural Engineering, Computer Science, Biotechnology and Fisheries. Some of the modules of these courses are customized to cater to the current needs of the industries. The placement cell brings together the students and industries on the same platform so that the students can choose their career with the company of their choice and the industries can have a better understanding of the profile and skills of students.

For the personality development of the students, MOU between the University and Medha Learning Foundation, Lucknow has been signed. This Foundation is giving training to the students about the Career Advancement Boot Camp, Life Skills Advancement Boot Camp and Technology Boot Camp. Medha is providing 21st century skills training,

career counselling and workplace exposure, and ongoing job placement support to our university students. The Directorate of Placement has also signed a MOU with Gram Unnati Foundation (GUF), Noida for exchange of knowledge and better RAWE programme of the students. They are also providing a day out programme to the register students as exposure visit.



Heartfulness Enabled Leadership Program (HELM) has been developed by the Heartfulness Campus team in line with MOU signed with ICAR for the holistic development of students. The program was organized from 28-30 December, 2022. A total of 250 students participated in the program. HELM is a whole person development program based on:

1. Reflective and experiential activities to develop the life skill;
2. Sparking lasting transformation of students;
3. Addressing mental health issues among youth in post covid times;
4. Blends Heartfulness meditation and yoga with leadership skills; and



5. Learning Heartfulness concepts of self-exploration, making right choices, responding rather than reacting and other such as social awareness, system thinking, etc.,

Future Plans/Strategies:

- Big top corporate on board for placements.
- Increase the on-campus visits and off-campus interactions with companies.
- Introduce training and motivational programs.
- Conduct workshops for language skill and

personality development.

- Obtain maximum internship programs for the students.
- Organization of group discussions and mock interviews to improve the skills of students.
- Conduct a student-alumni interaction programme which will motivate the students to aspire higher.
- Take feedbacks from the past recruiters to develop and train the students in their areas of weakness.

WORKSHOP/TRAINING/SEMINAR ORGANIZED

• Workshop on "Development of soft skills for entrepreneurship among agri graduates"

A one-day workshop on "Development of Soft Skills for Entrepreneurship among Agri Graduates" was organized under the NAHEP-IG project in collaboration with the National Agricultural Higher Education Project Comp 2A ICAR-NAARM, Hyderabad, on February 27, 2023 by Department of Veterinary Clinical Complex, College of Veterinary Science and Animal Husbandry. The programme Director was Dr Rajesh Kumar Verma, Assistant Professor Veterinary Clinical Complex. Total 100 students from College of agriculture, Veterinary Science, Community Science, Fisheries and Horticulture and Forestry) participated in this training programme. The students were given training on communication skills for career development, team work and team building, innovations and startups and support for entrepreneurship for agri graduates and were also shown videos of success stories of Agri graduates turned entrepreneurs.



• Soft skill and language development training

Directorate of training and placement organized 3 days training on soft skills and language development in collaboration with Smart Series Bangalore from 21st February -23rd February, 2023 under NAHEP-IG. A total of 104 students of 3rd and 4th year B.Sc.(Ag) from College of Agriuculture, Kotwa, Azamgarh were selected for the training. The training was conducted by CEO, Smart Series, Dr Radha Sankarnarayanan who divided the training in 2 parts. In part I, she focused primarily on soft skills and part II comprised of direct interaction with trainers. Director training and placement Dr D Niyogi & Deputy director training and placement Dr SV Singh were the training organizers.



• Personality Development and Soft Skills training program

Personality development is becoming an integral part on the professional front, especially in today's competitive world. Expression of knowledge in a proper manner is the most important aspect that a

student needs to learn. Understanding its importance, Directorate of Training and placement organized 5 days personality development and soft skills training program from February, 28th to March 4th 2023 by master trainers Dr. Kushal Raut, Director, Communicare, Pune and Mr. Sanjeev Rane (KRP) under NAHEP-IG project. Sessions focused on attitude, motivation and confidence and time management to bring a change in perception towards life. The training was attended by 130 undergraduate students from college of agriculture, main campus, Kumarganj, Ayodhya.

- **Workshop on Human Values**

A Two days workshop was organized on “Human Values” by the Directorate of Training and Placement from 2-3 March under NAHEP, to imbibe values in students. Dr Moonga From Shrestha foundation interacted with the students of College of Veterinary Science, College of Horticulture and College of Community Science.



- **One day seminar in Agri-Journalism**

One day seminar in Agri-Journalism on the topic “Bharatbarsha ki such samridhiheet krishi patrakarita

evom Vigyan sanchar ki mahatwa aur bhumika” was organized for Agri-graduates on 6th February, 2023 in collaboration with Jagaran Institute of Management and Mass Communication, Kanpur, Uttar Pradesh.

- **Agriscap: to promote the sense of entrepreneurship in student**

The university in association with Medha learning organization organized Agriscap on 20th March 2023 in which students from different universities presented their agri-entrepreneurial ideas before panel of experts. The top five selected students got a chance to participate in National level agripreneurialship competition held at Jhansi. Two students of the university were in top five, th position was bagged by Prashant and 5th position was bagged by Navneet of Kotwa Azamgarh

CAMPUS INTERVIEW

The Directorate of Training and Placement organizes campus interview for the Agriculture graduates and students pursuing Master's in Agriculture Business Management. CASHPOR MICRO CREDIT conducted campus interview and selected 07 students of MBA and Agriculture Economics for the post of Branch Manager – Management Trainee. Colonel Dogra CAO, Mr Sanjay Srivastava, Head HRD, Managers Mr Shravan and Miss Mansi from Cashpor Varanasi organized group discussions and interview. Col Dogra apprised the Vice Chancellor Dr Bijendra Singh with the activities of his organization and presented him an Annual report of Cashpor .



NEHRU LIBRARY

Dr. Subodh Kumar, Librarian

The central library of Acharya Narendra Dev University of Agriculture and Technology, Kumaeganj, Ayodhya, popularly known as Nehru Library, is one of the largest libraries in Eastern Uttar Pradesh providing literatures, resources, information regarding agriculture and allied sciences. The foundation stone of the Nehru Library was laid on 19th November, 1988 by the then Governor of the state Uttar Pradesh.

The University Library provides source of information and facilities for teaching, learning, educational and research programmes of the University. Library delivers a wide spectrum of services by helping students and faculty with textbooks, reference books and periodicals, and updated literature on every subject. The Library is centrally located with an easy access from all the colleges of the University campus, hostels and residential areas. It has been especially designed spacious four-floor building constructed in 3617 sq. feet area. The Library has capacity to accommodate more than 200 readers at a time. It has more than 60 thousands text books, National and International journals, weekly and monthly magazines and daily newspapers in English and Hindi. To support the research needs of the students, the Library has about 4000 theses in print. It also provides Wi-Fi facility to its users along with e-resources as available on KrishiKosh, Shodhganga, ShodhShuddhi and Jgate-CeRA (Consortium for e-Resources in Agriculture).

The University library is organized into eight specialized functional sections, i.e. Acquisition, periodicals, Technical processing, Reference and information, Circulation, Documentation and Binding & Maintenance sections to serve in the best possible way. Apart from these services, library is also engaged in teaching of course “use of Scientific and Technical Literature” (Lib-511) and “Library and information services” (PGS -501) to PG & PhD scholars of the

university. The comprehensive course covers all aspects of library use, scientific literature and its bibliographical control, modern technique of handling scientific information in ICT environment.

Facilities provided by Nehru Library

- Library operational time is from 9.00 AM to 7.00 PM to cater the need of students of the university.
- Library has been upgraded by developing its website by which the library can be accessed online anytime. Readers can access Nehru library at following address: <http://216.48.178.228:81/>
- Library automation and digitalization work is on progress. In the first phase, library management software KOHA has been implemented that has also been integrated with the webpage of library and can be remotely accessed by its users.
- The university provides more than 10000 e-books, about 3000 research journals, thesis and reports on CeRA (Consortium for e-Resources in Agriculture). Students and faculty members can access the information by login on (www.jgateplus.com) through user ID provided to them.
- The newly admitted students of the university are registered on CeRA by the coordinators nominated at college level as well as faculty members are registered by the university library.
- Library is a member of Krishikosh (An e-repository of ICAR), Shodhganga (An e-repository of UGC) on which more than seven hundred thesis have been uploaded.
- Library monitors plagiarism in the publications/thesis in the University and provides Plagiarism Detection software “OURIGINAL” (URKUND) to its users from INFLIBNET center UGC. The difficulty faced by teachers and students in plagiarism detection was solved by increasing usage Cap of University from 850 to 1000.



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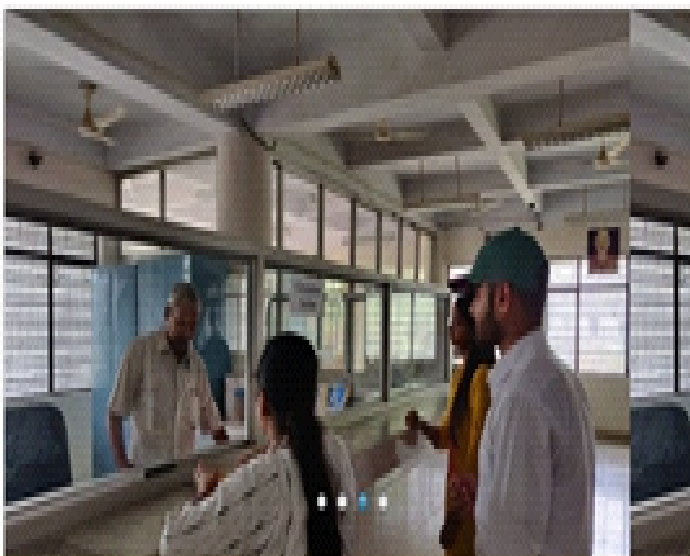
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FINANCE

The total budget (Rupees in crores) of the University for the Financial Year 2022-23 is given below:

S. No.	Receipt From	Amount (in crores)
1	State Government	73.53
2	ICAR	55.92
3	Other Organizations	1.58
4	Revenue generated	15.88
	Total	146.91

Revenue generated during FY 2022-23

S. No.	Receipt From	Amount (in crores)
1	Tuition fees	14.20
2	Sale of Inputs	1.59
3	Others	0.09
	Total	15.88



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