वार्षिक प्रतिवेदन

Annual Report

2024-25



Acharya Narendra Deva University of Agriculture & Technology
Kumarganj, Ayodhya – 224 229 (U.P.) - India
Website- www.nduat.org


आचार्य नरेन्द्र देव
अक्टूबर 31, 1889 - फरवरी 19, 1956

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आचार्य नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय
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Foreword



It gives me immense pleasure to present the Annual Report of Acharya Narendra Deva University of Agriculture & Technology (ANDUAT) for the period April 2024 to March 2025. This year has been a remarkable journey of progress, innovation, and collective achievements, reflecting our unwavering commitment to academic excellence, cutting-edge research, skill development, and sustainable agricultural advancement. Last year, the 31st May, 2024 was the very memorable day for all the University fraternity as the news of NAAC A++ grade awarded to the University poured in. The atmosphere in campus was full of euphoria, festivity, and celebration. Years of hard work by scientists, non-teaching staff and students transformed into sweet success. This year also, university added one more feat to its armoury by getting the rank in NIRF ranking system.

During this period, the university took a significant step forward to further excellence in academics by introducing four new course programmes. It is a matter of pride that during 2024-2025, 1203 students were admitted, reflecting an increase of 13.81% as compare to 2023-2024. A total of 595 students were awarded degrees in various course/programmes during 26th Convocation held on 19th September, 2024. To strengthen the academic foundation and research capacity of the university, recruitment of talented and dedicated faculty members was carried out. The addition of these 57 teachers including 32 Assistant Professors, 23 Associate Professors and 5 Professors has enriched the intellectual capital of ANDUAT, ensuring high-quality teaching, personalized mentorship, and greater diversity in research expertise.

Our research and innovation ecosystem has witnessed significant achievements over the year. I am delighted to report that the university notified 10 new crop varieties, aimed at improving agricultural productivity, climate resilience, and farmers' income. These varieties are the result of rigorous scientific work by our dedicated researchers and represent a major contribution to sustainable farming practices in the region. In addition, since January, 2024, 30 patents have been published or granted including 22 during the reporting period reflecting our emphasis on promoting innovation and safeguarding intellectual property. These patents highlight the growing culture of research commercialization at ANDUAT, which is essential for translating scientific breakthroughs into real-world solutions.

The university continues to strengthen its commitment to research and innovation with 61 ongoing projects being actively pursued across various disciplines. During the current year 2025-26, it has further expanded its research portfolio by receiving 15 new projects, adding fresh momentum to its scientific endeavours. These collective efforts not only foster innovation but also enhance the university's role as a leading centre for knowledge creation and technological advancement.

The university also made strides in fostering collaborations through 17 Memorandums of Understanding (MoUs) signed with leading academic institutions, research organizations, and industry partners. These partnerships are designed to facilitate joint research, faculty and student exchange, collaborative projects, and knowledge sharing. Such initiatives will play a crucial role in accelerating innovation, enhancing academic quality, and expanding the global footprint of the university.

Transfer of farm technology to the farmers' field is an essential mandate of all agricultural universities. Krishi Vigyan Kendras organized 8594 front line demonstrations, 1165 on-farm trials, 3298 training programs. It also organized 9217 extension activities for creating awareness about latest improved agricultural technologies in which 961436 farmers and 1353 Extension Personnel participated and benefited.

The placement of students continues to be a priority as we prepare our graduates for diverse career pathways. It is heartening to note that 71 students were successfully placed in reputed national and international organizations this period. This achievement reflects the strong industry-academia linkage nurtured by ANDUAT and the employability skills imparted through our holistic educational approach. Recognizing the importance of hands-on skills and practical exposure, the university conducted a range of skill development programs for students. These programs were carefully designed to nurture technical proficiency, entrepreneurial capabilities, and leadership qualities, ensuring that our graduates are prepared not only to secure meaningful employment but also to create new opportunities for others.

To explore new dimensions of rural development, the university successfully organized a Vice-Chancellors' Conference on Agri-Tourism. The event brought together Vice Chancellors of the agricultural organizations, eminent experts, policymakers, and practitioners to deliberate on the potential of agri-tourism as a sustainable model for enhancing rural livelihoods, diversifying income streams for farmers, and promoting cultural heritage. The deliberations of this conference have provided a roadmap for future initiatives in this emerging field.

University is also committed to social obligations as it has adopted TB patients, did blood donations, organized patriotic programmes like 'tiranga yatra', 'kakori train actions' and many more.

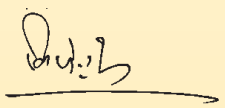
The year was also marked by prestigious awards and recognitions bestowed upon our faculty members and Krishi Vigyan Kendras (KVKs) for their outstanding contributions to teaching, research, and community engagement. These accolades reflect the tireless efforts of our faculty and extension personnel, who work relentlessly to bridge the gap between scientific research and farmers' fields.

As we reflect on the milestones achieved during this year, I extend my heartfelt gratitude to all stakeholders — our students, faculty, researchers, administrative staff, government agencies, industry collaborators, and alumni — for their invaluable support and cooperation. It is through their collective dedication and trust that the university has been able to scale new heights and fulfil its mission of serving society through excellence in agricultural education and innovation.

Heartfelt thanks and gratitude to the Hon'ble Governor of Uttar Pradesh Smt. Anandiben Patel Ji, Hon'ble Chief Minister of Uttar Pradesh Sri. Yogi Adityanath Ji and Hon'ble Minister of Agriculture, Government of Uttar Pradesh Shri. Surya Pratap Shahi Ji for their unwavering support and guidance, which have been instrumental in propelling our university to new heights of excellence and achievement.

Looking ahead, ANDUAT remains committed to advancing agricultural science, fostering innovation, and empowering rural communities through knowledge and technology. The initiatives taken this year lay a strong foundation for future growth and will guide us in shaping a sustainable and prosperous future for the agricultural sector.

I invite all readers to explore this report, which captures the essence of our endeavours and the impact of our collective efforts during the year 2024–25. Together, let us continue to strive towards transforming agriculture into a vibrant, resilient, and inclusive sector that uplifts communities and contributes to national development.



(Bijendra Singh)
Vice-Chancellor

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EXECUTIVE SUMMARY

NAAC Accreditation	• University got **A++ grade** in NAAC accreditation and became the first Agricultural University in India to get this highest NAAC grade.
New course programme	• Ph.D. (Agribusiness Management). • B.Sc. (Hons.) Forestry. • Ph.D. (Post-Harvest Management). • Ph.D. (Floriculture and Landscaping).
Ph.D. (Hort) Post-Harvest Management	• Ph.D. (Hort) Floriculture and Landscaping
Students'admission	• During 2024-25, 1203 students were admitted in various degree programmes of the University reflecting in increase of 13.81% as compare to 2023-2024 (1057). • Foreign students, one each from Nepal, Lesotho, Kenya and Ghana took admission in the university.
Degree Awarded	• 595 students were awarded degrees in various course programmes during 26th Convocation held on 19th September, 2024. • Out of 595, 27 were Ph.D., 238 had Master Degree and 330 were UG Degree holders. • Among degree holders, 77.31% were boys and 22.69 % were girls. • Among gold medallists, 55.56 % were girls and 44.44% were boys • Degree certificate of all students were uploaded on digilocker.
Recruitment and Career Advancement/ACP	• A total of 60 teachers including 32 Assistant Professors, 23 Associate Professors and 5 Professor were recruited in the University. • 7 PC and 28 SMS were recruited for KVKs • Under the Career Advancement Scheme, 05 Assistant Professors to Associate Professors and 15 Associate Professors to Professors were promoted. • 158 employees were granted Assured Career Advancement (ACP) • Under the regularization process, a total of 14 daily wage workers were regularized. • As per rules for the appointment of dependents of deceased officers/employees of the University, 06 appointments have been made.
Infrastructural reforms	• In College of Agriculture, Azamgarh, conference halls with digital interactive board and ICT-connected facilities, indoor game facility with a ground-floor foam-type mat, installation of a semi-automatic roti maker in the mess. • In College of Horticulture & Forestry, three new interactive panels equipped with audio facilities were

		installed in undergraduate classrooms to enhance the teaching and learning process. Additionally, one interactive panel each was installed in the Department of Fruit Science and the Department of Post-Harvest Management .The modernization of the Fruit Science and Vegetable Science laboratories has been successfully completed, with upgraded infrastructure and advanced equipment to support research, practical training, and quality education. Another new laboratory has been established in Department of Floriculture and Landscaping. • In College of Fisheries, 4 interactive boards have been installed in the UG classroom, PTZ camera has been installed in the committee room of the college to promote effective online meetings and smooth video conferencing, Aquaculture, FRM, FPT and Aqua-Clinic labs have been strengthened with equipment and machineries. Instructional Fish Farm has been strengthened with new facilities like In pond Cage Culture Unit, Poultry and Duckery unit to develop integrated fish farming units and Makhana cum fish culture units. • In College of Community Science, one new Smart classroom, Laboratory Nursery School and Textile CAD Lab. • New Girl's hostel in the name of "Sindhu Enclave" established.
	Award and Honours	• Krishi Vigyan Kendra Bahraich I and Jaunpur I awarded for Crop Residue Management work; Krishi Vigyan Kendra Gorakhpur for NICRA work; Krishi Vigyan Kendra Amethi for Natural farming work; and Krishi Vigyan Kendra Azamgarh II, Ghazipur II, Chandauli and Barabanki for ScSP work during Annual Zonal Workshop of KVKs of UP . • Farm N Food Krishi Samman Award 2024 awarded to Krishi Vgyan Kendra Jaunpur I and Amethi • KVK Mau got awarded as Best Exhibition Award during Kisan Mela – 2024 organized by ICAR- Indian Institute of Seed Science, Mau on 18 October 2024. • Krishi Vigyan Kendra Bahraich I, Bahraich II, Barabanki and Gonda II received the outstanding award for outstanding work in the field of agricultural technology dissemination • Krishi Vigyan Kendra Barabanki and Jaunpur I awarded with State Level Inter Agriculture University Utkrisht Krishi Vigyan Kendra Award – 2025. • 52 teachers/scientists were given various awards and

	accolades by various government and non- government bodies.
Varieties identifies/developed/notified /released	• A total of 10 varieties of fruits, spices and vegetables of the university have been notified under Gazette Notification No. S.O.4917(E). • i. Narendra Aonla-25 ii. Narendra Aonla-26 iii. Narendra Bael-10 iv. Narendra Bael-8 v. Narendra Bael-11 vi. Narendra Haldi -4 vii. Narendra Kamna (NDBG-16) viii. Narendra Sita (NDBGH-14-10) ix. Narendra Suyog Narendra White Brinjal-1 x. Narendra Sarson Saag-1 • Proposed variety of Narendra Haldi-5, Narendra Ber-2 and Narendra Bael-17 identified to State Varietal Release Committee (SVRC) and presented in Central Varietal Release Committee (CVRC) for notification.
Technology developed/recommended	• Technology of priming turmeric seed rhizomes with Trichoprime @ 5% prior to storage is recommended • Technology developed for the management of foliar (*Alternaria* leaf spot) and soil borne diseases (*Macrophominaphaseolina*) of sweet basil. • Developed Integrated Disease Management modules against major diseases (Downy mildew and Bacterial blight/root rot) of opium poppy. • Technology developed and recommended for the management of foliar diseases (*Alternaria* and *Colletotrichum* leaf spot) and soft rot of Aloevera
Patent registered/published/granted	• During the year 2023-24, total of twenty-two patents were published/granted.
Research Projects	• During 2024-2025, 61 research projects/schemes, financed by various national and international agencies, were in operation in the university.
Seed production	• During 2024-2025, University has produced 7349.37 quintals of Kharif seeds and 3830.58 quintals of Rabi seeds at seed farms.
Publications	• 424 research articles were published in NAAS accredited or peer reviewed journals. • 49 books with ISBN nos. were published.
Extension activities by Directorate of Extension	• A total of 8594 front line demonstrations were conducted on field crops, horticultural crops, tools and implements and livestock by KVKs. • KVKs assessed 404 technologies in 1165 trials conducted at different locations on farmers' fields through on-farm trials (OFT). • KVKs conducted 3298 training programmes to 83789 beneficiaries including farmers. • KVKs organized 9217 extension activities for creating awareness about latest improved agricultural technologies

	in which 961436 farmers and 1353 Extension Personnel participated and benefited. • KVKs produced and supplied seeds (4947.50q), planting materials (1299317 no.), bio-products (25597.70kg), Livestock Species (no.): 986 and Fish fingerlings (no.): 21706 and generated a total revenue of Rs 18398665.75/-. • KVKs have organized other extension activities (19009) also. The major activities like electronic media (42), extension literature (15735), News Paper coverage (2199), popular articles (354), radio talks (107), and TV talks (65), 426 animals treated through health camps. • 5140 number of technical services were provided through ATIC. • 6667 number of farmers visited the ATIC. • 23540 number of extension publications were sold through ATIC. • Directorate organized six HRD training at headquarter. • The Directorate of Extension organized six group and review meeting programmes during the financial year.
University Library	• Total number of footfalls in the library during the April 2024 to March 2025 is 26,669. • 699 new books were purchased. • Amended Memorandum of Understanding**(MoU)** was signed for **Shodhganga** between ANDUAT and INFLIBNET on which 246 thesis were uploaded.
Conference/seminar/workshop/training organized	• 48th Vice Chancellors' Convention of IAUA was organized on "Agritourism in India : Bridging Education and Rural Development" held at ANDUAT from 13th to 14th February , 2025. • 29 conferences/seminars/workshops/trainings were organized by various colleges during 2024-25.
Placement of students	• 103 students got job placement in Government and Non-Government sectors
Student's achievement in NET/ JRF	• 25 students have qualified the prestigious ASRB NET/ SRF/JRF examination. • 2 students of College of Agriculture Engineering cleared GATE-2024.
Skill Development Programme	• Pehli Udaan was organized in collaboration with Medha Learning Foundation, Lucknow. • Workshop on "Startup Spark: Agripreneurship Awareness Program". • World Entrepreneurship Day or Udyamita Diwas • NAAS Student Elocution Contest Zone V. • State level inter Agricultural university elocution contest.
Fees reimbursement/Scholarships	• 1881 students have been given fees reimbursement by the Directorate of Social Welfare, Uttar Pradesh.

	• 104 students were provided Mandi Parishad scholarship. • 14 students provided with Ph.D. Merit scholarship. • 149 students in UG, 32 students in PG have been given National Merit Scholarship (NTS).
NCC /NSS	• 20 cadets were awarded 'B' certificate. The cadets also attended annual NCC camp at Dogra Regiment, Ayodhya Cantt. Cadets also participated in blood donation. • NSS units were involved in social welfare activities & different types of awareness campaigns like Nasha Mukti, Plastic Free Society, Voter Awareness, Blood Donation, Plantation Drive, Ek Ped Ma ke Naam, Cleanliness Drive etc.
Linkage with other Institutes & Organizations	• Seventeen MoUs were signed with different organizations during 2024-25.
Extra-curricular activities	• Organization of traditional sports meet during convocation week. • International Yoga Day on 21st June, 2024 as a mega event with participation of more than 2600 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, the university organized different programs round the year namely plantation drive, cleanliness drive etc.
Animal Health camps	• Participation in Pandit Deen Dayal Upadhyay Mandaliya Virat Pashu Arogya Shivir/Mela. • Vaccination Camp on the occasion of World Veterinary Day.
Social Commitment/awareness campaign	• Kakori Train Action • Tiranga Yatra • "Vibhajan Vibhishika" Smiriti Diwas. • "Visit Spiritual Places", cycle rally. • Padhe Vishwavidyalaya- badhe Mahavidylaya. • " Swastha Sansad". • "Rashtriya Ekta Diwas" • Blood donation camp. • TB eradication programme.
Budget summary	• Total revenue generated during 2024-25 was Rs. 2831.58 lakh against the total grant received of an amount Rs. 18755.33 lakh

कार्यकारी सारांश

NAAC मान्यता	• विश्वविद्यालय को **NAAC** मान्यता में **A++** [redacted] प्राप्त हुआ और यह सर्वोच्च NAAC ग्रेड प्राप्त करने वाला भारत का पहला कृषि विश्वविद्यालय बन गया।
नया पाठ्यक्रम	• पीएच.डी. (कृषि व्यवसाय प्रबंधन) • बी.एससी. (ऑनर्स) वानिकी • कटाई–पश्चात प्रबंधन और पुष्प एवं भूदृश्य में पीएच.डी. कार्यक्रम।
छात्रों का प्रवेश	• 2024–25 के दौरान, विश्वविद्यालय के विभिन्न डिग्री कार्यक्रमों में 1203 छात्रों को प्रवेश दिया गया, जो 2023–2024 (1057) की तुलना में 13.81% की वृद्धि दर्शाता है। • नेपाल, लेसोथो, केन्या और घाना से एक–एक विदेशी छात्र ने विश्वविद्यालय में प्रवेश लिया।
दीक्षांत समारोह में उपाधियाँ	• 19 सितंबर, 2024 को आयोजित 26वें दीक्षांत समारोह में 595 छात्रों को विभिन्न पाठ्यक्रमों में उपाधियाँ प्रदान की गईं। • 595 में से 27 पीएचडी, 238 परस्नातक और 330 स्नातक डिग्री धारक थे। • उपाधि धारकों में 77.31% छात्र और 22.69% छात्राएँ थीं। • स्वर्ण पदक विजेताओं में 55.56% छात्राएँ और 44.44% लड़के थे। • छात्रों के डिग्री प्रमाणपत्र डिजिलॉकर पर अपलोड किए गए।
नियुक्ति एवं पदोन्नति	• विश्वविद्यालय में 32 सहायक प्राध्यापक, 23 सह प्राध्यापक और 5 प्राध्यापक सहित कुल 60 शिक्षकों की भर्ती की गई। • कृषि विज्ञान केंद्रों के लिए 7 परियोजना समन्वयक की भर्ती की गई। • 28 विषय विशेषज्ञ की भर्ती की गई। • कैरियर उन्नति योजना के अंतर्गत, 5 सहायक प्राध्यापकों को सह प्राध्यापक और 15 सह प्राध्यापकों का प्राध्यापक के पद पर पदोन्नत किया गया। • 158 कर्मचारियों को सुनिश्चित कैरियर उन्नति (एसीपी) प्रदान की गई। • नियमितीकरण प्रक्रिया के अंतर्गत, कुल 14 दैनिक वेतन भोगी कर्मचारियों को नियमित किया गया। • विश्वविद्यालय के दिवंगत अधिकारियों/कर्मचारियों के आश्रितों की नियमानुसार, 6 नियुक्तियाँ की गई हैं।
अवसंरचनात्मक सुधार	• कृषि महाविद्यालय, आजमगढ़ में डिजिटल इंटरैक्टिव बोर्ड और आईसीटी से जुड़ी सुविधाओं वाले कॉन्फ्रेंस हॉल, भूतल पर फोम–प्रकार की चटाई के साथ इनडोर गेम सुविधा, मेस में एक अर्ध–स्वचालित रोटी मेकर की स्थापना। • उद्यान एवं वानिकी महाविद्यालय में, शिक्षण और अधिगम प्रक्रिया को बेहतर बनाने के लिए स्नातक कक्षाओं में ऑडियो सुविधाओं से लैस तीन नए इंटरैक्टिव पैनल लगाए गए। इसके अतिरिक्त, एमएससी और पीएचडी कक्षाओं में प्रभावी शिक्षण प्रदान करने में और फल विज्ञान विभाग और कटाई–पश्चात प्रबंधन विभाग में एक–एक इंटरैक्टिव पैनल लगाए गए। फल विज्ञान और सब्जी विज्ञान

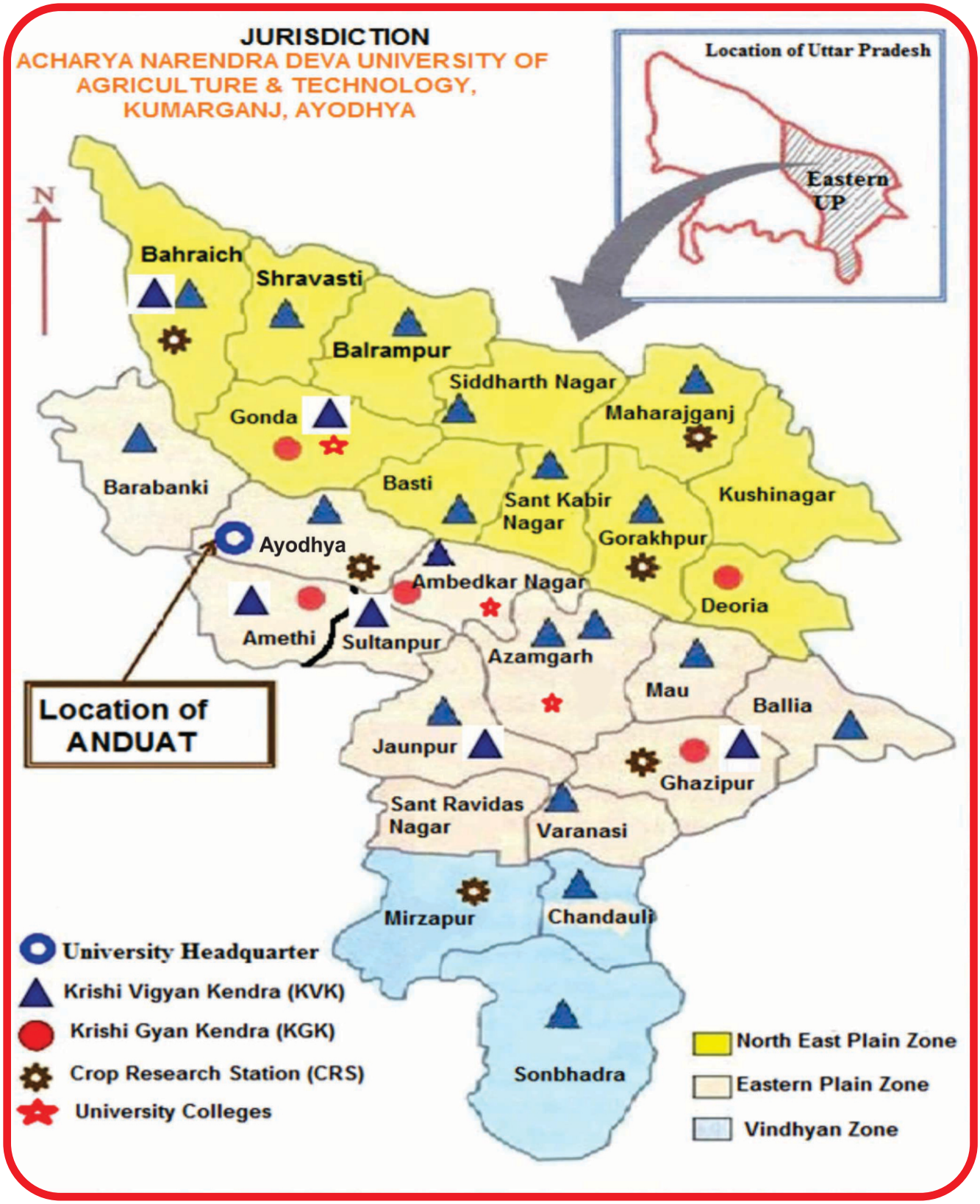
	प्रयोगशालाओं का आधुनिकीकरण । पुष्प कृषि और भूनिर्माण विभाग में एक और नई प्रयोगशाला स्थापित की गई है। • मत्स्य पालन महाविद्यालय में स्नातक कक्षा में 4 इंटरैक्टिव बोर्ड लगाए गए हैं, प्रभावी ऑनलाइन बैठकों और सुचारू वीडियो कॉन्फ्रेंसिंग को बढ़ावा देने के लिए महाविद्यालय के समिति कक्ष में पीटीजेड कैमरा लगाया गया है, एक्वाकल्चर, एफआरएम, एफपीटी और एक्वा–क्लिनिक प्रयोगशालाओं को उपकरणों और मशीनरी से सुदृढ़ किया गया है। एकीकृत मछली पालन इकाइयाँ और मखाना सह मछली पालन इकाइयाँ विकसित करने के लिए तालाब केज कल्चर यूनिट, पोल्ट्री और डकरी यूनिट जैसी नई सुविधाओं के साथ निर्देशात्मक मछली फार्म को सुदृढ़ किया गया है। • सामुदायिक विज्ञान महाविद्यालय में, एक नया स्मार्ट क्लासरूम, प्रयोगशाला नर्सरी स्कूल और टेक्सटाइल सीएडी लैब। • ''सिंधु एन्क्लेव'' के नाम से नया बालिका छात्रावास स्थापित किया गया।
पुरस्कार एवं सम्मान	• उत्तर प्रदेश के कृषि विज्ञान केंद्रों की वार्षिक क्षेत्रीय कार्यशाला के दौरान कृषि विज्ञान केंद्र बहराइच–। और जौनपुर–। को फसल अवशेष प्रबंधन कार्य के लिये ; कृषि विज्ञान केंद्र गोरखपुर को निक्रा कार्य के लिये ; कृषि विज्ञान केंद्र अमेठी को प्राकृतिक खेती कार्य के लिये और कृषि विज्ञान केंद्र आजमगढ़–।।, गाजीपुर–।। , चंदौली और बाराबंकी को एससीएसपी कार्य के लिए सम्मानित किया गया। • कृषि विज्ञान केंद्र जौनपुर–। और अमेठी को फार्म एन फूड कृषि सम्मान पुरस्कार 2024 प्रदान किया गया। • 18 अक्टूबर 2024 को आईसीएआर–भारतीय बीज विज्ञान संस्थान, मऊ द्वारा आयोजित किसान मेला – 2024 के दौरान केवीके मऊ को सर्वश्रेष्ठ प्रदर्शनी पुरस्कार से सम्मानित किया गया। • कृषि प्रौद्योगिकी प्रसार के क्षेत्र में उत्कृष्ट कार्य के लिए कृषि विज्ञान केंद्र बहराइच–।, बहराइच–।।, बाराबंकी और गोंडा–।। को उत्कृष्ट पुरस्कार प्राप्त हुआ। • कृषि विज्ञान केंद्र बाराबंकी और जौनपुर–। को राज्य स्तरीय अंतर कृषि विश्वविद्यालय उत्कृष्ट कृषि विज्ञान केंद्र पुरस्कार – 2025 से सम्मानित किया गया। • 52 शिक्षकों/वैज्ञानिकों को विभिन्न सरकारी और गैर–सरकारी निकायों द्वारा विभिन्न पुरस्कार और सम्मान प्रदान किए गए।
चिन्हित / विकसित /अधिसूचित /जारी की गई किस्में	• विश्वविद्यालय के फलों, मसालों और सब्जियों की कुल 10 किस्मों को राजपत्र अधिसूचना संख्या एस.ओ. 4917(ई) के अंतर्गत अधिसूचित किया गया है जो की है – 1. नरेंद्र आंवला–25 2. नरेंद्र आंवला–26 3. नरेंद्र बेल–10 4. नरेंद्र बेल–8

	5. नरेंद्र बेल–11 6. नरेंद्र हल्दी–4 7. नरेंद्र कामना (एनडीबीजी–16) 8. नरेंद्र सीता (एनडीबीजीएच–14–10) 9. नरेंद्र सुयोग नरेंद्र सफेद बैंगन–1 10. नरेंद्र सरसों साग–1 • प्रस्तावित किस्म नरेंद्र हल्दी–5, नरेंद्र बेर–2 और नरेंद्र बेल–17 की पहचान राज्य किस्म विमोचन समिति (एसवीआरसी) द्वारा की गई और अधिसूचना हेतु केंद्रीय किस्म विमोचन समिति (सीवीआरसी) के समक्ष प्रस्तुत की गई।
विकसित/अनुशंसित प्रौद्योगिकी	• भंडारण से पहले हल्दी के बीजों के राइजोम को 5 % ट्राइकोप्राइम से प्राइम करने की तकनीक अनुशंसित । • मीठी तुलसी के पर्णजनित रोगों (अल्टरनेरिया लीफ स्पॉट) और मृदा जनित रोगों (मैक्रोफोमिनाफेजोलिना) के प्रबंधन के लिए तकनीक विकसित की गई है। • अफीम पोस्त के प्रमुख रोगों (डाउनी फफूंदी और जीवाणुजनित झुलसा/जड़ सड़न) के विरुद्ध एकीकृत रोग प्रबंधन मॉड्यूल विकसित किए गए हैं। • एलोवेरा के पर्णजनित रोगों (अल्टरनेरिया और कोलेटोट्राइकम लीफ स्पॉट) और मृदु सड़न के प्रबंधन के लिए तकनीक विकसित और अनुशंसित है।
पंजीकृत/प्रकाशित/अनुदानित पेटेंट	• वर्ष 2024–25 के दौरान, कुल 22 पेटेंट प्रकाशित/अनुदानित हुये।
अनुसंधान परियोजनाएँ	• 2024–2025 के दौरान, विश्वविद्यालय में विभिन्न राष्ट्रीय और अंतर्राष्ट्रीय एजेंसियों द्वारा वित्तपोषित 61 अनुसंधान परियोजनायें संचालित थी ।
बीज उत्पादन	• 2024–2025 के दौरान, विश्वविद्यालय ने बीज फार्मों पर 7349.37 क्विंटल खरीफ बीज और 3830.58 क्विंटल रबी बीज का उत्पादन किया है।
प्रकाशन	• NAAS मान्यता प्राप्त या समकक्ष समीक्षा प्राप्त पत्रिकाओं में 424 शोध लेख प्रकाशित हुए। • ISBN संख्या वाली 49 पुस्तकें प्रकाशित हुईं।
प्रसार निदेशालय द्वारा प्रसार गतिविधियाँ	• कृषि विज्ञान केंद्रों द्वारा खेतों में उगाई जाने वाली फसलों, बागवानी फसलों, औजारों और उपकरणों तथा पशुधन पर कुल 8594 अग्रिम पंक्ति प्रदर्शन आयोजित किए गए। • कृषि विज्ञान केंद्रों ने विभिन्न स्थानों पर किसानों के खेतों पर ऑन–फार्म ट्रायल (ओएफटी) के माध्यम से 1165 परीक्षणों में 404 प्रौद्योगिकियों का मूल्यांकन किया। • कृषि विज्ञान केंद्रों ने किसानों सहित 83789 लाभार्थियों के लिए 3298 प्रशिक्षण कार्यक्रम आयोजित किए। • कृषि विज्ञान केंद्रों ने नवीनतम उन्नत कृषि प्रौद्योगिकियों के बारे में जागरूकता पैदा करने के लिए 9217 प्रसार गतिविधियों का आयोजन किया, जिसमें 961436 किसानों और 1353 प्रसार कार्मिकों ने भाग लिया और लाभान्वित हुए। • केवीके ने बीज (4947.50 क्विंटल), रोपण सामग्री (1299317), जैव–उत्पाद (25597.70 किग्रा), पशुधन प्रजातियाँ (986) और मत्स्य अंगुलिकाएँ (21706) का उत्पादन और आपूर्ति की और कुल 18398665.75 रुपये का राजस्व अर्जित किया।

	• केवीके ने अन्य प्रसार गतिविधियाँ (19009) भी आयोजित कीं। प्रमुख गतिविधियाँ जैसे इलेक्ट्रॉनिक मीडिया (42), प्रसार साहित्य (15735), समाचार पत्र कवरेज (2199), लोकप्रिय लेख (354), रेडियो वार्ता (107), और टीवी वार्ता (65), स्वास्थ्य शिविरों के माध्यम से 426 पशुओं का उपचार किया गया। • एटीआईसी के माध्यम से 5140 तकनीकी सेवाएँ प्रदान की गईं। • 6667 किसानों ने एटीआईसी का दौरा किया। • एटीआईसी के माध्यम से 23540 प्रसार प्रकाशन बेचे गए। • निदेशालय ने मुख्यालय में छह मानव संसाधन विकास प्रशिक्षण आयोजित किए। • प्रसार निदेशालय ने वित्तीय वर्ष के दौरान छह समूह और समीक्षा बैठक कार्यक्रम आयोजित किए।
	• अप्रैल 2024 से मार्च 2025 तक पुस्तकालय में आने वाले कुल आगंतुकों की संख्या 26,669 है। • 699 नई पुस्तकें खरीदी गईं। • शोधगंगा के लिए ANDUAT और INFLIBNET के बीच संशोधित समझौता ज्ञापन (MoU) पर हस्ताक्षर किए गए, जिस पर 246 शोध प्रबंध अपलोड किए गए।
सम्मेलन/सेमिनार/कार्यशाला/प्रशिक्षण का आयोजन	• आईएयूए के 48वें कुलपति सम्मेलन का आयोजन ''भारत में कृषि पर्यटन : शिक्षा और ग्रामीण विकास के बीच सेतु'' विषय पर विश्वविद्यालय में 13 से 14 फरवरी, 2025 में किया गया। • 2024–25 के दौरान विभिन्न कॉलेजों द्वारा 29 सम्मेलन/सेमिनार/कार्यशाला/प्रशिक्षण आयोजित किए गए।
छात्रों का प्लेसमेंट	• 71 छात्रों को सरकारी और गैर–सरकारी क्षेत्रों में नौकरी मिली।
नेट/जेआरएफ में छात्रों की उपलब्धि	• 25 छात्रों ने प्रतिष्ठित एएसआरबी नेट/एसआरएफ/जेआरएफ परीक्षा उत्तीर्ण की है। • कृषि अभियांत्रिकी महाविद्यालय के 2 छात्रों ने गेट–2024 परीक्षा उत्तीर्ण किया ।
कौशल विकास कार्यक्रम	• मेधा लर्निंग फाउंडेशन, लखनऊ के सहयोग से पहली उड़ान का आयोजन किया गया। • ''स्टार्टअप स्पार्कः कृषि उद्यमिता जागरूकता कार्यक्रम'' पर कार्यशाला। • विश्व उद्यमिता दिवस या उद्यमिता दिवस। • एनएएएस छात्र भाषण प्रतियोगिता, जोन V। • राज्य स्तरीय अंतर–कृषि विश्वविद्यालय भाषण प्रतियोगिता।
शुल्क प्रतिपूर्ति/छात्रवृत्ति	• उत्तर प्रदेश समाज कल्याण निदेशालय द्वारा 1881 विद्यार्थियों को शुल्क प्रतिपूर्ति प्रदान की गई है। • 104 विद्यार्थियों को मंडी परिषद छात्रवृत्ति प्रदान की गई। • 14 विद्यार्थियों को पीएचडी मेरिट छात्रवृत्ति प्रदान की गई। • स्नातक स्तर पर 149 विद्यार्थियों और स्नातकोत्तर स्तर पर 32 विद्यार्थियों को राष्ट्रीय मेरिट छात्रवृत्ति (एनटीएस) प्रदान की गई।
एनसीसी/एनएसएस	• 20 कैडेटों को 'बी' प्रमाणपत्र प्रदान किया गया। कैडेटों ने अयोध्या कैंट स्थित डोगरा रेजिमेंट में वार्षिक एनसीसी शिविर में भी भाग लिया। कैडेटों ने रक्तदान में भी भाग लिया।

	• एनएसएस इकाइयां सामाजिक कल्याण गतिविधियों और विभिन्न प्रकार के जागरूकता अभियानों जैसे नशा मुक्ति, प्लास्टिक मुक्त समाज, मतदाता जागरूकता, रक्तदान, वृक्षारोपण अभियान, एक पेड़ माँ के नाम, स्वच्छता अभियान आदि में शामिल थीं।
अन्य संस्थानों और संगठनों के साथ संपर्क	• 2024–25 के दौरान विभिन्न संगठनों के साथ सत्रह समझौता ज्ञापनों पर हस्ताक्षर किए गए।
पाठ्येतर गतिविधियाँ	• दीक्षांत समारोह सप्ताह के दौरान पारंपरिक खेल प्रतियोगिताओं का आयोजन। • 21 जून, 2024 को अंतर्राष्ट्रीय योग दिवस के अवसर पर एक विशाल कार्यक्रम आयोजित किया जाएगा जिसमें 2600 से अधिक छात्र, शिक्षक और कर्मचारी भाग लिये । • विभिन्न अवसरों पर कई सांस्कृतिक कार्यक्रम आयोजित किए गए। चित्रकला, वाद–विवाद और रंगोली का भी आयोजन किया गया। • विभिन्न महाविद्यालयों के तत्वावधान में, विश्वविद्यालय ने वर्ष भर विभिन्न कार्यक्रम आयोजित किए, जैसे वृक्षारोपण अभियान, स्वच्छता अभियान आदि।
पशु स्वास्थ्य शिविर	• पंडित दीन दयाल उपाध्याय मंडलीय विराट पशु आरोग्य शिविर/मेला में प्रतिभाग। • विश्व पशु चिकित्सा दिवस के अवसर पर टीकाकरण शिविर।
सामाजिक प्रतिबद्धता/जागरूकता अभियान	• काकोरी ट्रेन एक्शन • तिरंगा यात्रा • ''विभजन विभीषिका'' स्मृति दिवस। • ''आध्यात्मिक स्थानों की यात्रा करें'', साइकिल रैली। • पढ़े विश्वविद्यालय–बढ़े महाविद्यालय। • ''स्वस्थ संसद''। • ''राष्ट्रीय एकता दिवस'' • रक्तदान शिविर। • टीबी उन्मूलन कार्यक्रम
बजट सारांश	• वर्ष 2024–25 के दौरान कुल राजस्व 2831.58 लाख रुपये प्राप्त हुआ, जबकि कुल अनुदान राशि 18755.33 लाख रुपये प्राप्त हुई।

DOMAIN OF THE UNIVERSITY



ABOUT THE UNIVERSITY

To enhance agricultural productivity in India, particularly in Eastern Uttar Pradesh, Acharya Narendra Deva University of Agriculture and Technology (ANDUAT) was established on 10th October 1975 in the holy city of Ayodhya. The university is named after Acharya Narendra Deva, the great freedom fighter, socialist, and education reformer. Spread across 2,195.34 hectares, including Krishi Vigyan Kendras (KVKs), research stations, and off-campus colleges, its main campus is located at Kumarganj, about 42 km from Ayodhya on the Ayodhya–Raebareli road.

Since its inception, the university has played a pivotal role in advancing agriculture in Uttar Pradesh through education, research, and extension services. Often regarded as an agrarian hub for farmers of Eastern Uttar Pradesh, it serves 27 districts across seven divisions—Ayodhya, Basti, Devipatan, Gorakhpur, Azamgarh, Varanasi, and Vindhyachal Dham—covering three agro-climatic zones: Eastern Plain, North-Eastern Plain, and Vindhyan. The institution is committed to building a sustainable and climate-resilient agricultural system while addressing both local and global challenges. Guided by its clear vision and mission, the university has emerged as a centre of excellence in agriculture and allied sciences, becoming the first agricultural university in India to receive NAAC A++ grade in its very first cycle.

The university has identified several short- and long-term goals in teaching, research, and extension activities aligned with its mission. It is governed by a Board of Management, the chief policy making body, supported by the Academic Council, Research Advisory Committee, and Extension Advisory Committee. A robust e-governance system has been adopted, including academic management, HR and financial systems, Janhit Guarantee Adhiniyam, GeM portal, e-tendering, RTI portal, and biometric attendance. The Internal Quality Assurance Cell (IQAC) ensures best practices in academics and administration, continuously striving for quality improvement.

In the field of education, ANDUAT offers programmes in Agriculture, Horticulture, Forestry, Veterinary Science and Animal Husbandry, Fisheries, Agricultural Engineering, Computer Science and Community Science through its constituent colleges. A new College of Agriculture has been started in Gonda district in 2023–24 with an intake of 60 students. Currently, the university offers 11 undergraduate, 45 postgraduate, and 40 Ph.D. programmes. 51 value-added courses have been introduced under the National Education Policy (NEP) 2020. A 13.81 % increase in student enrolment was recorded in 2024–25 as compared to 2023-24 with the total student strength reaching around 3300 including international students from Afghanistan, Sri Lanka, Zimbabwe, Kenya , Lesotho, Vietnam, and Nepal and Eswatini. By 2023–24, the university has awarded 11,276 degrees across all programmes.

Teaching has been strengthened with the recruitment of 180 teachers/scientists and the establishment of 60 ICT-enabled classrooms, facilitating virtual interactions with experts worldwide. The university has collaborations with 92 national and international organizations, including ICAR institutions, State Agricultural Universities, industries, and NGOs.

Research is carried out through advanced laboratories and crop research stations, supported by initiatives such as RKVY projects. Facilities include a Feed Analysis Lab, Embryo Transfer Lab, Sex-Sorted Semen Lab, Hydroponics Unit, Ergonomic Lab, Bio-pesticide Lab, Biofloc fish farming system, Renewable Energy Lab, and an advanced Veterinary Clinical Complex. An incubation centre has also been established for producing skilled human resources and entrepreneurs. Technology Park where all the innovations in agriculture will be showcased at one place, is also being developed. A tissue culture lab is under construction with funding from the Mandi Parishad, Uttar Pradesh.

The Directorate of Agricultural Experiment Stations coordinates research activities, supported by ICAR through 18 AICRP projects, 9 UPCAR projects, and additional projects under DST, DBT, and BARC. The university has developed 202 improved crop varieties—including cereals, pulses, oilseeds, fodder, vegetables, fruits, spices, and medicinal plants. Notably, the aromatic Kala Namak rice varieties 'Pusa Narendra Kala Namak-1' and 'Pusa Narendra CRD Kala Namak-2' were developed in collaboration with ICAR. The popular varieties Sarju-52 rice, bel, and aonla are widely recognized across India. During the April 2023 to March 2024, 22 patents were granted/ published by the university exhibiting exceptional innovation and research excellence of the faculty and students.

The university has also developed innovative production technologies for irrigated and rainfed

farming, water and pest management, small farm mechanization, germplasm conservation, and post-harvest value addition. Drone technology is being deployed for crop mapping, spraying, and disease management. Research also focuses on wasteland management, with successful Paddy-Fish and Paddy-Vegetable-Fish integrated systems, Paddy-Makhana organic/natural farming models, and reclamation of saline and sodic soils.

Extension services are a cornerstone of ANDUAT, with outreach through 25 Krishi Vigyan Kendras and 4 Krishi Gyan Kendras across Eastern UP's agro-climatic zones. The university operates an Agricultural Technology Information Centre (ATIC), a Krishak Helpline, and a Narendra Deva radio station for technology dissemination. Six KVKs have been developed as Centre of Excellence. Technology transfer occurs through demonstrations, training programs, fairs, publications, and electronic media. The university is actively contributing to environmental conservation through initiatives like construction of 29 water-conservation ponds, solar panel installations, crop residue management, large-scale plantation drives, and promotion of millet cultivation in Eastern Uttar Pradesh.

The university's achievements have been recognized with several prestigious awards, including: Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar (2021 & 2023) – KVK, Basti National Outlook Award (2022) – KVK, Barabanki, Best Centre Awards in AICRP for Arid Zone Fruits, Spices, and Forage Crops.

The accomplishments of ANDUAT in education, research, and extension are evident through its students' success, alumni placements, and the impact of its innovations on farmers' livelihoods. While challenges remain, the university continues to explore new opportunities to advance agricultural education, research, and extension for a prosperous and sustainable future.

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, vests powers with the University to institute degrees, diplomas, and other academic distinctions.

1. BOARD OF MANAGEMENT

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

BOARD OF MANAGEMENT

Sr. No.	Name	Address
1.	**Dr. Bijendra Singh** Vice-Chancellor, Chairman	A.N.D.U.A.T., Kumarganj, Ayodhya -224229
Members		
2.	**Additional Chief Secretary** Agriculture Education & Research	Govt. of U.P., Secretariat, Lucknow -226024
3.	**Additional Chief Secretary** Higher Education	Govt. of U.P., Secretariat, Lucknow -226024
4.	**Additional Chief Secretary** Finance	Govt. of U.P., Secretariat, Lucknow -226024
5.	**Director** Animal Husbandry (U.P.)	Directorate of Animal Husbandry (In front of Ramadhin Singh Inter College, Babuganj) Lucknow-226001
6.	**Director** Agriculture (U.P.)	Directorate of Agriculture, Krishi Bhawan, Lucknow-226001
7.	**Dr. Bishnu Pratap Singh,** Agriculture Scientist	Ex-Director, 71. Bal Vihar Colony Picnic Spot Road, Chinhat, CMAP, Indira Nagar, Lucknow - 226016
8.	**Sri Ram Chandra Yadav** , MLA	Village & Post Ghatauli Distt. Ayodhya -224164
9.	**Sri Dhruv Kumar Tripathi,** MLC	House No. 19A, Mathura Nagar, Tetri Khurd Ward No. 7 Nagar Panchayat-Uska Bazar Distt.Sidtharthnagar-272208
10.	**Sri Bawan Singh,** MLA	Village-Gaddopur, Po-Parsa Maheshi, Distt. Gonda-271502, 5/109A, Vineet Khand, Gomtinagar, Lucknow-226010
11.	**Sri Vijay Bahadur Dubey,** Live-stock Breeder	Ward No. 3, Nehru Nagar, New Colony, Distt. - Deoria-273001
12.	**Sri Ganga Sagar Rai,** Distinguished Industrialist	Ganga Sadan, Behiahat, Neaaar Unwal House, Distt - Gorakhpur-273001.
13.	**Sri Shailendra Raghuvanshi,** Progressive Farmer	Village-Babiyawn, Block-Cholapur, Varanasi-221101
14.	**Smt. Munni Sharma,** Lady Social Worker	Village-Bishnupura, Bhagwanpur Choubey (Near Pandey Chuk Chauraha), Post - Ballyawan, Distt-Deaori-274405
15.	**Sri Neeraj Srivastava,** Comptroller	A.N.D.U.A.T., Kumarganj, Ayodhya-224229

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 members of the Board of Studies for any particular College.

The academic council members :

Sr. No.	Name	Designation	Chairman/ Member
1.	**Dr. Bijendra Singh**	**Vice-Chancellor**	**Chairman**
2.	Dr. Ram Batuk Singh	Director Extension	Member
3.	Dr. D.K. Singh	Dean, College of Agriculture/Assoc. Dean	Member
4.	Dr. Naveen Chandra Shahi	Dean, MCAET	Member
5.	Dr. Bhagwan Dean	Dean, College of Hort. & Forestry	Member
6.	Dr. Sadhna Singh	Dean, College of Community Science	Member
7.	Dr. C.P. Singh	Dean, College of Fisheries	Member
8.	Dr. D. Niyogi	DSW /Prof. Vety. Pathology	Member
9.	Dr. Shushant Srivastava	DAM/Prof. & Head, VGO	Member
10.	Dr. Susheel Kumar Singh	Director of Research/Prof. & Head, Pl. Path.	Member
11.	Dr. N.A. Khan	Prof. & Head, Bio-Technology	Member
12.	Dr. R.K. Joshi	Prof. & Head, Veterinary Microbiology	Member
13.	Dr. Namita Joshi	Prof. & Head, VPHE	Member
14.	Dr. Pratibha Singh	Prof. & Head, Bio-Chemistry	Member
15.	Dr. S.C. Vimal	Prof. & Head, Seed Sc. & Tech/Sec. BOFA	Member
16.	Dr. R.K. Yadav	Prof. & Head, Crop Physiology	Member
17.	Dr. Sita Ram Mishra	Prof. & Head, Agro-Meteorology	Member
18.	Dr. Jaswant Singh	Prof. & Head, AGB	Member
19.	Dr. Anil Kumar Gangwar	Prof. & Head, Vety. Surgery & Radiology	Member
20.	Dr. Bhupendra Singh	Prof. & Head, Vety. Extn. Edu.	Member
21.	Dr. Sanjeet Kumar	Prof. & Head, GPB	Member
22.	Dr. Chandra Shekhar	Prof. & Head, VPE	Member
23.	Dr. Vijay Kumar Singh	Prof. & Head, ANN	Member
24.	Dr. Sonu Jaiswal	Prof. & Head, Vety. Clinical Complex	Member

Sr. No.	Name	Designation	Chairman/ Member
25.	Dr. Amit Singh	Prof. & Head, Parasitology	Member
26.	Dr. Suresh Kumar	Prof. & Head, Soil Science	Member
27.	Dr. R.R. Kushwaha	Prof. & Head, Agril. Economics	Member
28.	Dr. Mahendra Singh	Head, ABM	Member
29.	Dr. S.P. Singh	Prof. & Head (LFC) Vet. & A.H.	Member
30.	Dr. C.N. Ram	Prof. & Head, Vegetable Science	Member
31.	Dr. Radhakrishnan K.V.	Head, Fish Processing Technology	Member
32.	Dr. Bhanu Pratap	Prof. & Head, Fruit Science	Member
33.	Dr. Umesh Chandra	Prof. & Head, Entomology	Member
34.	Dr. V.K. Singh	Head, Processing & Food Engineering	Member
35.	Dr. J.P. Singh	Prof. & Head, Vety. Medicine	Member
36.	Dr. S.V. Singh	Prof. & Head, Vety. Pharmacology	Member
37.	Dr. S.K. Maurya	Prof. & Head, Vety. Biochemistry	Member
38.	Dr. S.K. Verma	Prof. & Head, Agro Forestry	Member
39.	Dr. B.K. Yaduvanshi	Head, BAESS, Engg. College	Member
40.	Dr. Ragini Mishra	Head, HDFS, Community Science	Member
41.	Dr. S.K. Verma	Head, Floriculture & Landscaping	Member
42.	Dr. Poonam Singh	Head, RMCS, Community Science	Member
43.	Dr. P.S. Pramanik	Registrar/Dean, Veterinary Science & A.H.	Member/ Secretary

B. OFFICERS OF THE UNIVERSITY

1.	Name	Designation
2.	**Dr. Bijendra Singh**	**Vice-Chancellor**
3.	Dr. P.S. Pramanik	Registrar
4.	Dr. Shushant Srivastava	Director, Administration and Monitoring
5.	Dr. Susheel Kumar Singh	Director of Agriculture Experiment Station
6.	Dr. Ram Batuk Singh	Director Extension
7.	Dr. D. Niyogi	Dean Student's Welfare
8.	Sri Neeraj Srivastava	Comptroller
9.	Dr. D.K. Singh	Dean, College of Agriculture
10.	Dr. Sita Ram Mishra	Associate Dean, College of Agriculture, Main Campus
11.	Dr. D. K. Singh	Associate Dean, College of Agriculture, Azamgarh
12.	Dr. P. S. Pramanik	Dean, College of Veterinary Science and A.H.
13.	Dr. Bhagwan Dean	Dean, College of Horticulture & Forestry
14.	Dr. C.P. Singh	Dean, College of Fisheries.
15.	Dr. Naveen Chandra Shahi	Dean, MCAET, Ambedkar Nagar
16.	Dr. Sadhna Singh	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 2024-25

	Internal Members (Within University)	
1	Dr. P.S. Pramanik	Chairman
2	Dr. V. K. Singh	Member Secretary
3	Dr. Rishikant, Incharge, Animal House	Member
4	Dr. Ramakant	Member
5	Dr. Anoop Singh	Member
	CPCSEA Nominees	
1	Dr. Ashwini Kumar Singh Joint Director, CCS National Institute of Animal Health ,Dept.of A.H., Dairying & Fisheries ,Ministry of Agriculture ,GOI.,Baghpat,U.P.250609	Main Nominee
2	Dr. Neelam Bala H.no. G-3, Opp. PNB, Wireless Chauraha, Mahanagar , Luckow .	Link Nominee
3	Dr. Rajdeep Guha Senior Scientists , Laboratory Animal facility , CSIR – Central Drug Research Institute , Lucknow	Scientist from outside of the Institute
4	Shri. Ashutosh Kumar Yadav 98, Gaurav Vihar Colony ,Near Rama Degree College , Malhaur road, Chinhat , Lucknow	Socially aware Nominee

3. INSTITUTIONAL QUALITY ASSURANCE CELL:

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

University IQAC Committee during 2024-25

1.	**Dr. Bijendra Singh , Vice -Chancellor**	Chairman
2.	Dr. Sushant Srivastava, DAM/Prof. & Head, VGO	Director
3.	Dr. Satya Vrat Singh, Assoc. Professor, C.V.Sc. & A.H.	Coordinator
Teachers to represent all levels		
4.	Dr. Sanjeet Kumar, Prof. & Head, GPB	Member
5.	Dr. Jaswant Singh, Prof. & Head, AGB, C.V.Sc. & A.H.	Member

6.	Dr. Radhakrishnan KV, Assoc. Professor, College of Fisheries	Member
7.	Dr. Vishal Mehta, Asstt. Professor, College of Agriculture	Member
Member of the Management		
8.	Dr. Jitendra Kumar Tomar, Director of Agriculture, Lucknow (UP)	Member
Senior Administrative Officers		
9.	Registrar/Dean	Member
10.	Comptroller	Member
11.	Director, Administration & Monitoring	Member
12.	Administrative Of ficer	Member
13.	Director Research	Member
14.	Director Extension/Additional Director Extension	Member
15.	Dean, College of Agriculture	Member
16.	Dean, College of Horticulture & Forestry	Member
17.	Dean, College of Community Science	Member
18.	Dean, College of Fisheries	Member
19.	Dean, PGS	Member
20.	Associate Dean, College of Agriculture, Main Campus	Member
21.	Associate Dean, College of Agriculture, Azamgarh	Member
22.	Associate Dean, College of MCAET, Ambedkar Nagar	Member
23	Librarian	Member
24.	Executive Engineer	Member
Nominee from Local Society, Students & Alumni		
25.	Secretory, Co -operative, Consumer Society	Member
26.	Ms. Himanshi Singh, H-13012/22, Ph.D. Student, CHF	Member
27.	President Alumni. Association, ANDUAT, Kumarganj, Ayodhya	Member
28.	Sri Prasoon Nigam, Industrialist	Member

4. STUDENT GRIEVANCE REDRESSAL COMMITTEE:

For resolving the issues of students as per the UGC guidelines Student Grievance Redressal Committee (SGRC) was constituted with the following members.

1	Dr. Pratibha Singh, College of Agriculture	Chairman
2	Dr. D.K. Singh, Assoc. Dean, College of Agriculture, Azamgarh	Member
3	Dr. Chandra Shekhar, Professor, C.V.Sc. & A.H.	Member
4	Dr. C. N. Ram, Professor, College of Horticulture & Forestry	Member
5	Dean Student Welfare representative	Special Invitee

4. WOMEN HARASSMENT CELL:

To address the women's complaints and their welfare as per the UGC guidelines, the Women Harassment Cell had following member during 2024-25.

1	Dr. Suman Prasad Maurya, Dean, PGS	Chairman
2	Dr. Ruma Devi, Asstt. Professor, C.V.Sc. & A.H.	Member
3	Dr. Vijay Laxmi Rai, Asstt. Professor, College of Agriculture, Azamgarh	Member

5. RANKING CELL

1	Dr. Sushant Srivastava, Professor , C.V.Sc. & A.H.	Director

6. INTERNATIONAL CELL

1	Dr. Amit Singh, Professor, C.V.Sc. & A.H.	Director

D. MEETINGS OF EXECUTIVE BODIES DURING 2024-2025

1. BOARD OF MANAGEMENT

Sr. No.	Number of BOM Meetings	Date
1.	201st meeting of BOM	05.07.2024
2.	202nd meeting of BOM	10.09.2024
3.	203rd meeting of BOM	14.10.2024
4.	204th meeting of BOM	27.11.2024
5.	205th meeting of BOM	07.01.2025

2. ACADEMIC COUNCIL

Sr. No.	Number of A.C. Meetings	Date
1	Academic Council Meeting 309th	09.04. 2024
2	Academic Council Meeting 310th	21.06.2024
3	Academic Council Meeting 311th	29.06.2024
4	Academic Council Meeting 312th	31.08. 2024
5	Academic Council Meeting 313th	12.09.2024
6	Academic Council Meeting 314th	21.10.2024
7	Academic Council Meeting 315th	19.01.2025
8	Academic Council Meeting 316th	17.03.2025

3. MEETING OF INSTITUTIONAL ANIMAL ETHICS COMMITTEE

Sr. No.	Meeting Number	Date	No. of proposals
1	10th meeting of IAEC	29.03.2025	40

4. FINANCE SUB COMMITTEE

Sr. No.	Number of Meeting	Date
1.	112thmeeting of finance sub committee	05.07.2024
2.	113th meeting of finance sub committee	07.01.2025

E. FACULTY PROFILE

Units	Sanctioned	In position
Colleges	305	178
Directorate of Research	53	37
Directorate of Extension	45	8
AICRPs	46	13
KVKs	175	158
Fisheries Entrepreneurship Training Centre	04	03
Total	**628**	**397**

TEACHING

I. EDUCATION

The University offers UG programmes in 11 disciplines, Master's Degree programmes in 45 disciplines, and Ph.D. programmes in 40 disciplines. Since its inception, the University has produced graduates over 2979 in Agriculture, 838 in Home Science, 638 in Veterinary, 531 in Horticulture, 329 in Fisheries and 1267 in Agricultural Engineering/ Computer Sci./Mechanical Eng. and Postgraduates; 3215 in various disciplines of Agriculture, 184 in Veterinary, 226 in Horticulture/Veg./Forestry, 64 in Home Science/Community Science, 14 in Agriculture Engineering and 16 in Fisheries and 34 in MBA(Agribusiness) as well as 872 Ph.D. in various disciplines of Agriculture, 43 in Horticulture Veg./Forestry, 22 in Veterinary Science and 4 in Community Science/Home 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. No.	College	Location
1.	College of Agriculture	Main Campus, Kumarganj
2.	College of Agriculture	Kotwa, Azamgarh
3.	College of Agriculture	Karnailganj, Gonda
4.	College of Veterinary Science & Animal Husbandry	Main Campus, Kumarganj
5.	College of Horticulture & Forestry	Main Campus, Kumarganj
6.	College of Fisheries	Main Campus, Kumarganj
7.	College of Community Science	Main Campus, Kumarganj
8.	Mahamaya College of Agriculture Engineering & Technology	Akbarpur, Ambedkar Nagar

COLLEGE OF AGRICULTURE, MAIN CAMPUS

Dr. D. K. Singh, Dean

The Agriculture College, one of the oldest in the University, started in February 1977. The College encompasses 14 departments at present covering disciplines like: Agronomy, Genetics & Plant Breeding, Soil Science & Agricultural Chemistry, Entomology, Plant Pathology, Crop Physiology, Agricultural Economics, Extension Education, Agricultural Meteorology, Agricultural Biochemistry, Seed Science and Technology, Molecular Biology and Biotechnology, Agricultural Statistics and Agribusiness Management.

All the undergraduate programs in the College are of 4 years duration. The College has adopted the semester system, each semester being of 18 weeks duration. At present the recommendation of 6th Dean's Committee is being followed in the College and at PG level 19th BSMA syllabi is being complied with. Undergraduate degree programme in B. Tech. (Biotechnology) has been started from the session 2023-24.

i. NEW FACULTY ADDED DURING THE YEAR 2024-25

Assistant Professor	Associate Professor	Professor
8	3	0

ii. NEW STUDENTS ADDED DURING THE YEAR 2024-2025

UG	PG	Ph. D.
230	262	67

iii. TOTAL STUDENTS STRENGTH IN U.G., P.G. AND PH.D. PROGRAMMES DURING THE YEAR 2024-2025 (AS ON 31ST MARCH 2025)

Undergraduate	Post-graduate	Ph.D.
709	491	168

iv. NEW COURSE PROGRAMME STARTED:

Ph.D. (Agribusiness Management)

v. TEACHING ACTIVITIES:

Rural Agricultural Work Experience and Agro-Indutrial Attachment (RAWE & AIA):

In year 2024-25, Agricultural extension activities were conducted by 144 students who were divided in 24 groups. Students exchanged ideas and views with farmers about marketing of produce, entrepreneurship and cultivation practices. Students created awareness among farmers about use of certified seeds, kharif seed- production, Animal Health, Jiva Amrit & Beej Amrit in natural farming and insurance of crops. Students also made them aware about education and malnutrition. Students made farmers aware of use of exact quantity of insecticides and pesticides for protection of crops when crop field got infected more than 5 percent by insects.





Experiential Learning Programme

Three Experiential Learning Programmes were carried out in the College of Agriculture to develop entrepreneurship in the undergraduate students.

1- ELP-422: Seed Production and Technology

2- ELP-423: Mushroom Cultivation Technology

3- ELP-425: Commercial Bee Keeping

1. ELP-422: Seed Production and Technology:



2. ELP-423: Mushroom Cultivation Technology

Experience Learning Programme on Mushroom Cultivation Technology (ELP-423) was offered during 2024-25, 2nd semester in which 33 students were registered. The registered students were engaged with the hand-to-hand practical knowledge of production of quality spawn, cultivation of oyster mushroom (*Pleurotus ostreatus*), milky mushroom (*Calocybe indica*), post-harvest management and value addition. In whole ELP programme all the students showed their enthusiasm and eagerness to learn about the Spawn production, Mushroom cultivation and value addition. Under this program students developed various mushroom fortified product like mushroom biscuits, papad, laddoo, sattu dry mushroom powder etc. After completion of ELP program many of them were willing to start a small-scale startup in the future.



spawn production activities **Oyster mushroom cultivation** **value addition activities**

Glimpses of ELP on Mushroom Cultivation Technology

3-ELP-425: Commercial Bee Keeping

Experiential Learning Program ELP-425, Commercial Beekeeping was conducted during 2024-25. Total 135 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 also wanted to start their startup in the future.





Students learning the skills of commercial bee-keeping

iv. RESEARCH ACHIEVEMENTS:

➢ Varieties/Technology Developed/Patents:

Patents :

Department of Agricultural Statistics:

Design Title	Details	Registered Authors
Farm Pest Controlling Machine	Design No. 413456 -001, Serial No. 171850, Date : 13/04/2024, Class: 22-06	Dr. Vishva Deepak Chaturvedi, Dr. Piyush Kumar Singh, Ankita Sharma, Priyanka, Jyoti Kumari, Marvi Khajuria, Ritesh Singh
Real-Time Crop Protein Analysis Device	Design No. 453473 -001, Serial No. 203206, Date: 28/03/2025, Class: 24-01	Dr. Ramesh Pratap Singh, Prabhas Kumar Shukla, Dr. Ajay Tripathi, Shashi M. Sagar, Dr. Pratibha Singh, Dr. Abhishek Singh, Dr. Piyush Kumar Singh

Department of Entomology:

- Sameer Kumar Singh, Kamal Ravi Sharma, Pradeep Kumar, Vijay Kumar Mishra, Vaishnavi Chaturvedi, Umesh Chandra, Deepika Chauhan, Kakulla Alekyaa (2025). SOLAR POWERED LIGHT TRAP CUM PHEROMONE TRAP FOR PEST MANAGEMENT. Design No.: 446845-001 Date : 04/02/2025
- Singh, S. K., Sharma, K. R., Chandra, U. and Gautam, A. (2024). Device For Testing Food Choice Of Insect/Pests And Method Of Working Thereof. Indian Patent, Application No.202411078881 A Publication Date: 22/11/2024
- Rana, R., Kumar, R., Kumawat, M. and Sharma, K. R. (2024). Insect Trapping Device For Agricultural Field. Design No.: 424522-001 Date :24/07/2024

Department of Biochemistry:

- Dr. Rajani Ranjan, Dr. Kuldeep Pandey, Dr. Jagveer Singh, Dr. Ajay Tripathi, Dr. D. K. Upadhyay, Dr. Pragya Pandey, Dr. Aastik Jha, Mr. Divyansh Mishra, Mr. Avadhesh Kumar and Mr. Prabhat Kumar. Granted patent on "*Automated Fruit Harvesting Drone Using Artificial Intelligence.*" (No. 423157001 dt. 13.07.2024)
- Dr. Gurpreet Kaur, Dr. Sonica Sharma, Dr. Ashutosh Sharma, Dr. Indu Sharma, Dr. Inderpal Kaur, Dr. Pragya Pandey, Dr. Kuldeep Pandey, Dr. Jagveer Singh, Dr. Ajay Tripathi, and Dr. Naveen Kumar Maurya. Patent Published on "A Method for preparation of Kohlrabi Pickle and the resulting product thereof. (Application No- 202511049825 A dated 27/06/2025).
- Dr.Ramesh P. Singh, Prabhas K. Shukla, Dr. Ajay Tripathi, Sashi M Sagar, Dr. Pratibha Singh, Dr. Abhisekh Singh and Dr. Piyush K. Singh (2025). Real-Time Crop Protein Analysis Device. Design No- 453473-001.

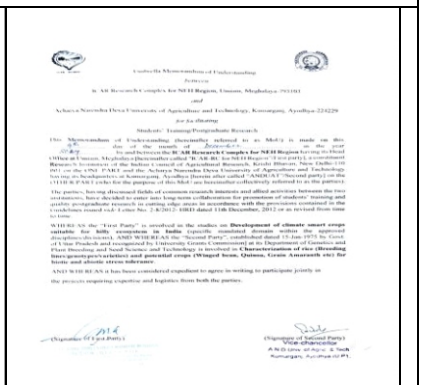
MoUS:

Department of Genetics and Plant Breeding:

- MoU between ANDUA&T and ICAR-IARI New Delhi, effective from the 6th of June 2024: The major objectives are to produce breeder seeds of IARI's varieties, which are released for Eastern Uttar Pradesh, utilize the advanced phenotyping and speed breeding facility of IARI by ANDUAT breeders, and capacity building of ANDUAT staff in the field of artificial intelligence and disruptive technologies.
- MoU between ANDUAT and ICAR Regional Center for North Eastern Hill Region, Umiam, Meghalaya.

Department of Seed Science and Technology:

The Head and faculty member of Department of Seed Science and Technology, in collaboration with the College of Agriculture, facilitated the signing of the following Memoranda of Understanding (MoUs) to strengthen research and education, with the aim of empowering postgraduate students and faculty members. The MoUs were formally signed by the respective Directors of ICAR institutes and the Hon'ble Vice Chancellor of ANDUAT.

1	ANDUA&T and ICAR-IARI, New Delhi	The key objectives include production of breeder seeds of IARI-released varieties suitable for Eastern Uttar Pradesh, utilization of IARI's advanced phenotyping and speed breeding facilities by ANDUAT breeders, seed technologists and capacity building of university staff in the areas of artificial intelligence and disruptive technologies	
2	ANDUA&T and ICAR-Regional Centre for Northeastern Hill Region, Umiam, Meghalaya	This collaboration aims to promote seed-based technological exchange and joint research initiatives, with special emphasis on hill agriculture and varietal evaluation under diverse agro - climatic conditions.	
3	ICAR-IIWBR, Karnal, Haryana and the Department of Seed Science and Technology, ANDUA&T, Kumarganj, Ayodhya	This agreement focuses on enhancing seed production of improved wheat and barley varieties, joint research in seed technology and genetic purity testing, and mutual academic exchange to support capacity development and technical advancement.	 Proposal for Memorandum of Agreement (MoA) for Foster Breeding Rights of latest ICAR-IIWBR Wheat & Barley Varieties

➢ Research projects:

Department of Crop Physiology:

S. No	Name of Project	Funding Agency
1	"Centere of Excellence for Rice "	State Sponsored Project
2	"AGGRi-Alliance".	IRRI
3	Physio-morphological and Molecular characterization of wheat germplasm for heavy soil moisture condition at germination and vegetative stage.	UPCAR

Department of Agril. Meteorology:

➢ Project entitled "Developing Crop-Weather Yield Models for different Agro-Climatic regions of U.P. using Statistical and Crop Simulation models" is submitted to UPCAR, Lucknow.

Department of Biochemistry:

Research Project : 06 (Submitted)

S. No	Project Titled	PI/Co-PI	Agency and Amount
1	Establishment of Referral Laboratory for Organic Product Testing"	Dr. Diwakar Singh	UP Government (9.0 Cr)
2	Grain quality, Nutritional quality and Micronutrient profiling in selected rice genotype/varieties in different district of Uttar Pradesh.	Dr. Ajay Tripathi	UPCST (33.36 Lakh)
3	Introduction and Acclimatization of Bi-Fortified Rice Varieties for different Agro -Climatic Regions of Uttar Pradesh"	Dr. Ajay Tripathi (Co-PI)	UPCAR Sanctioned (28.37 Lakh)
4	Development of Biomarkers in Traditional Functional Foods of Eastern Uttar Pradesh for Dietary and Public Health Relevance	Dr. Ajay Tripathi	UPCAR (30.58 Lakh)
5	Marker-assisted characterization and nutritional enrichment in popular rice varieties of eastern Uttar Pradesh	Dr. Ajay Tripathi	UP Government (81.60 Lakh)
6	Phytochemicals, minerals and antioxidant profiling of Neolamarckia cadamba (Roxb.) fruits, its products development and testing for neutraceutical and shelf-life properties of developed products.	Dr. S. K. Viswakarma	UPCST (33.86 Lakh)

Department of Genetics and Plant Breeding:

➢ **Ongoing Externally Funded Research Projects:**

All India Coordinated Research Projects (AICRPs)

1. MULLaRP (ICAR 75: State 25%)
2. Chickpea (ICAR 75: State 25%)
3. Potential Crops (ICAR 75: State 25%)
4. Wheat & Barley (ICAR 75: State 25%)
5. Forage Crops and Utilization (ICAR 75: State 25%)

➢ **Others:**

1. CSTUP 100%

Research Projects Submitted:

SN	Project Title	Funding agency	PI/Co-PI
1.	Collection and Evaluation of Millet Germplasm for Improvement and Value Addition: Focus Central-East Uttar Pradesh	UPCAR	Dr. Shiva Nath
2.	Screening and evaluation of mustard germplasm for *Alternaria blight* resistance and agronomic traits	CSTUP	Dr. Gangan Kumar
3.	Establishing infrastructure and fostering awareness about intellectual property rights	CSTUP	Dr. Sanjeet Kumar
4.	Traits Specific Breeding for Cytoplasmic Male Sterility (CMS) and Low Erucic Acid in Rapeseed-Mustard (*Brassica juncea*)	CSTUP, Lucknow	Dr. Sanjeet Kumar
5.	Traits specific breeding for cytoplasmic male sterility (CMS), fertility restoration, low erucic acid and major biotic stresses in Indian mustard (*Brassica juncea*)	SADP, Govt. of. U.P.	Dr. Sanjeet Kumar
6.	*AccelGen*: Advancing research in Eastern Uttar Pradesh through innovative speed breeding and high-throughput phenotyping for enhanced multi-stress resilience	SADP, Govt. of. U.P.	Dr. P. Bisen
7.	Genetic enhancement of aromatic rice varieties for biotic stress and yield using marker assisted backcross breeding	SERB, New Delhi	Dr. P. Bisen
8.	Dissecting tolerance mechanism in aromatic rice germplasm under multi abiotic stress regimes of eastern Uttar Pradesh	CSTUP, Lucknow	Dr. P. Bisen
9.	Unlocking Potential Donors for Enhancing Rice (*Oryza sativa* L.) Resilience to Multiple Abiotic Stresses in Eastern Uttar Pradesh	CSTUP, Lucknow	Dr. P. Bisen
10.	Exploration and identification of dual-purpose oat germplasm for abiotic stress tolerance in Eastern Uttar Pradesh with better nutritional quality	PMECRG, SERB, New Delhi	Dr. P. Bisen
11.	Characterizing Maize Genotypes for Waterlogging Stress tolerance in Eastern UP through morpho-physiological and molecular interventions	UPCAR, Lucknow	Dr. P. Bisen

12.	Deciphering salt stress mechanisms in lentil (*Lens culinaris* Medikus) through transcriptome profiling	CSTUP, Lucknow	Dr. Akash Gaurav Singh
13.	Integrative Genomic and Phenotypic Approaches for Enhancing Phosphorus Acquisition & Use Efficiency in Pigeon pea (*Cajanus cajan* L.)	UPCAR, Lucknow	Dr. Akash Gaurav Singh
14.	Accelerated breeding of Fusarium wilt resistant elite lines of chickpea using marker assisted selection for sustainable agriculture in Eastern Uttar Pradesh	CSTUP, Lucknow	Dr. Akash Gaurav Singh
15.	Identification of salt-tolerant lines in Indian mustard (*Brassica juncea* L.) using Morpho-physiological and molecular approaches	SERB, New Delhi	Dr. Arun Kumar
16.	Development of short duration, stress tolerant Mustard lines for late sown condition	UPCAR, Lucknow	Dr. Arun Kumar
17.	Evaluation and identification of suitable lines of barley for higher fodder grain yield under sodic condition	UPCAR, Lucknow	Dr. Priyanka Jaiswal
18.	Harnessing Higher Genetic Gain in Selection of Fusarium Wilt Resistant Cultivar in Chickpea (*Cicer arietinum* L.) for Eastern Uttar Pradesh	SADP, Govt. of. U.P.	Dr. Banshidhar
19.	Evaluation and genetic improvement of oat genotypes for climate resilience and enhanced nutritional quality	UPCAR, Lucknow	Dr. Charupriya Chauhan
20.	Pollination efficiency of *Apis* and non-*Apis* honey bees in rapeseed-mustard	UPCAR, Lucknow	Dr. Vinod Kumar Dubey
21.	Screening and molecular characterization of prevalent aphid species in mustard from Uttar Pradesh	CSTUP, Lucknow	Dr. Vinod Kumar Dubey
22.	Building the basics: Core minimal facilities for plant breeding and outreach	DST (FIST), New Delhi	Dr. Sanjeet Kumar
23.	Seeds for profitability-enhancing mustard value chain in rice based farming in Amethi, Ayodhya, and Sultanpur, Uttar Pradesh	DST (SUNIL), New Delhi	Dr. Sanjeet Kumar
24.	Selection of superior lines against spot blotch in physical and chemical mutagenised wheat genotypes for Eastern Uttar Pradesh	CSTUP, Lucknow	

Department of Seed Science and Technology:

- **Research project/work currently in hand:**

S. No.	Name of project/scheme	Year of start	Funding agency	Collaborators
1.	AICRP on Seed (Crops), ICAR-New Delhi			
	Subhead			
	1.1. Seed Technology Research (STR)	1983	ICAR (75%)	State (25%)
	1.2. Quality Seed Production (QSP)	1983	ICAR (75%)	State (25%)
2.	Creation of Seed Hubs for Increasing of Indigenous Pulse Production in India	2017-18	Ministry of Agriculture and Farmer Welfare, GoI, New Delhi (100%)	-

Project Submitted :

S.No.	Title of the Project	Funding Agency	PI
1.	Genetic enhancement of popular rice varieties of Eastern UP region against BAKANAE disease	ANRF	Dr. Vikram Jeet Singh
2.	Exploration and identification of resistance sources from wild and local land races of rice in Eastern UP regions	ICAR	Dr. Vikram Jeet Singh
3.	Innovative Approaches to Enhance Seed Quality: The Creation of Advanced Molecular and Seed Testing Laboratory	SADP	Dr. Vikram Jeet Singh
4.	Comprehensive characterization of Quinoa (*Chenopodium quinoa Wild*) for low/no saponin using an integrated morpho-biochemical and molecular approaches	UPCAR	Dr. Vikram Jeet Singh
5.	Exploring Genetic Resistance to False Smut Disease in Rice Using Molecular Breeding Approaches in Eastern UP	UPCST	Dr. Vikram Jeet Singh
6	Studies on enhancing planting value of seed through priming treatments in chickpea under abiotic stress condition	UPCST	Dr. Ashok Kumar
7	Identification and suitability of improved varieties of mustard (*Brassica juncea* (L.) Czern & Coss) for higher seed yield in late sown under terminal heat stress condition	UPCAR	Dr. Ashok Kumar
8	"Nucleus/Breeder Seed Production of Kalanamak Rice to Meet Quality Seed Demand for Boosting Farmer's Income in Eastern Uttar Pradesh By Augmenting Crop Research Station Basuli, Maharajganj Farm"	SADP	Dr. Digvijay Singh
9	"Strengthening Seed Production Farms for Enhancing the Breeder Seed Production to Meet the Demand of Quality Seeds in Cereals, Pulses and Oilseeds to Increasing the Income of Farmers"	RKVY	Dr. Digvijay Singh

10	Evaluation of Oat and Fodder Maize Genotype s under Salinity Stress during Germination and Early Growth with Seed Enhancement Strategies	UPCAR	Mr. Lokesh Kumar Mishra
11	Collection, Evaluation and Promotion of Millets Cultivation for Nutritional Security Enhancement and Farmers Income of Eastern Part of Uttar Pradesh	SADP	Dr. Rishabh Kumar Singh
12	Enhancement of Nucleus/ Breeder Seed Production to Meet Quality Seed Demand of Pulses and Oilseeds for Boosting Farmers' Income in Eastern Uttar Pradesh by the strengthening Crop Research Station (Tisuhi) Farm"	SADP	Dr. Digvijay Singh
13	"Efficacy of major insecticides and biopesticides against Pulse Beetle (*Callosobruchus chinensis* Linn) under storage pulses."	UPCST	Dr. Vinod Kumar
14	"Bio-ecology and eco-friendly management of Rice weevil (*Sitophilus oryzae* Linn.) in Rice, *Oryza sativa* under ambient condition"	ANRF	Dr. Vinod Kumar

Department of Agricultural Economics:

Research Project/ work currently in hand: 02 project funded by UPCAR

1. "Improving livelihood status in Eastern Uttar Pradesh through assessment of average farmer's income: An Income Enhancement Approach" - 24.90 Lakhs (Three Years Duration).
2. "Value Chain of Major Agricultural Commodities: A Lucrative Approach For Improving Livelihood Status of Farmer's In Income Region of Uttar Pradesh" – 49.96 Lakhs (Three Years Duration).

Department of Soil Science & Agricultural Chemistry:

Research Projects (submitted)

Sr. No.	Project Title	Submitted to	Budget (lakh)	Under operations and submitted
1	Multi-System Evaluation of Alternative Farming Practices on Crop Yield, Profitability and Soil Health under Rice (Oryza sativa L.)-Based Rotations in the Eastern Indo-Gangetic Plains	IRRI	11.00	Submitted
2	Sewage sludge testing and its evaluation for applications in agriculture	UPJN, Gorakhpur U.P.	81.70	Submitted
3	Strengthening of existing biofertilizers production unit, development and promotion of biofertilizer among farmers for soil health improvement	SADP, U.P.	80.18	Submitted
4	Exploration of Native Potassium Solubilizing Bacterial (KSB) strains for Potassium management in crops in Eastern Uttar Pradesh	UPCST	16.46	Submitted

Department of Agronomy:

Research Projects (Ongoing):

1. AICRP on Integrated Farming Systems
2. AICRP on Irrigation Water Management

➢ RESEARCH INITIATIVES AND ACCOMPLISHMENTS

1- All India Coordinated Research Project on Irrigation Water Management

Name of the Scientists: Dr. A.K. Singh & Dr. Abhinandan Singh

Salient Achievements:

Title : Effect of irrigation levels and fertigation through drip irrigation on production of capsicum.

➢ The experiment has been concluded after three years of experimentation. The results of



experiments averaged over three years are given here in this report. The yield data clearly reveal that all the drip irrigation recorded significantly higher yield of capsicum in comparison to surface irrigation. Drip irrigation @ 80% ETc with 100% RDF recorded significantly higher yield (9.7 tonnes/ha) with WUE of 14.9 kg/ha/mm.

Title: Evaluation of drip irrigation and fertigation in onion crop.

➢ The experiment has been concluded after three years of experimentation. The results of experiments averaged over three years are given here in this report. The yield data clearly reveal that higher onion yield was recorded in



drip irrigation over surface irrigation at both 1.2 IW/CPE ratio and 1.0 IW/CPE ratio. Results reveal that I_1 (Drip irrigation @ 80% ETc + 100% dose of RDF) recorded higher onion yield of 23.3 t/ha with WUE 28.60 kg/ha/mm.

Title: Diversification of crops during rabi crop season under poor availability of canal water

➢ Diversification of crops during rabi crop season under poor availability of canal water has been found more productive and remunerative and **intercropping of gram with mustard (4:1)** has been found to be highest 47.8 q/ha followed by intercropping of mustard with lentil and pure stand of gram in which the equivalent wheat yield was 44.9 and 43.0 q/ha respectively. The economcis of different cropping systems clearly indicated that the intercropping of mustard with gram recorded the maximum net return of Rs. 74075.00/ha with highest benefit cost ratio of 2.69 followed by intercropping of mustard with lentil which recorded the net benefit of Rs. 67912.00/ha with benefit cost ratio of 2.46.

Title : Multiple use of water through rice based integrated farming system at head and middle of the Awanpur distributory.

➢ The results of integrated farming system with pisci-culture was found to be most productive and remunerative in comparison to conventional rice-wheat+rai cropping system with highest net return of Rs. 223648.00/ha/year with B:C ratio of 3.23 which was 92.4.0% higher than that of net return recorded under conventional farming system. The conventional farming system

accrued the net return of Rs.116224.00/ha/ year with benefit cost ratio of 1.76 only

Title : Performance of sprinkler irrigation and nutrients management on the productivity of wheat in eastern U.P.

- The sprinkler irrigation system recorded the



higher yield of wheat incomparsion to surface irrigation system. The irrigation level 100% ET_c (I_1) through sprinkler observed the significantly higher yield of wheat 47.7 q/ha with water use efficiency of 19.5 kg/ha.mm over other sprinkler and surface irrigation followed by irrigation levels 90% ET_c (I_2) through sprinkler in which the wheat yield was 45.25 q/ha with WUE of 19.40 kg/ha/mm. The fertility levels 100% and 75% RDN also have significant effect on crop yield and 100% dose of RDN recorded the significantly higher yield of wheat 44.8 q/ha with water use efficiency of 18.2 kg/ha/mm.

2- All India Coordinated Research Project on Integrated Farming system



Name of the Scientists / Technical Staff: Dr. Abhinandan Singh, Co-P.I.,Sri Arun Singh, Research Associate and Sri Ashutosh Singh, FA

Identification of cropping systems for Eastern Uttar Pradesh

- The highest benefit: cost ratio of 2.25 was recorded with rice–chickpea-greengram cropping system followed by rice-mustard-green gram (2.16 ratio).
- The highest system productivity 63.47 kg/ha/day was recorded by rice-potato-cowpea sequence followed by rice–wheat + greengram (61.53 kg/ha/day) and rice-pea-okra(43.67 kg/ha/day) .
- Maximum rice grain equivalent yield of the system (23165 kg/ha/yr) obtained with Rice-Potato- Cowpea system followed by 15939 in Rice – Pea - Okra.

Sustainable resource management for climate smart IFS

- Integrated farming system model of one hectare recorded gross income (Rs 591303/year), net income (Rs 247842/year) and benefit: cost ratio (0.72).
- IFS model approach is a viable to fulfil all livelihood requirements of small and marginal farmer's family. It provides nutrient rich diet to the human being and animals. And sustain the soil and environment by recycling and making productive use of all the farm wastes and residues etc. it helps in round the year income generation, employment generation and meets the nutritional requirement of family.

On Farm Research, Mau

- Highest net return of Rice-Wheat cropping system in Middle Gangetic of Eastern UP District Mau can be obtained with recommended dose of NPK @ 150 N – 60 – 25 kg/ha along with ZnSO4 @ 25 kg/ha.
- Diversification in crops / improved varieties and balanced fertilization, improved feed for animals, Deworming to animals as inerventions provided to the farming community can increase the productivity of crops/milk and thereby increase the net return of marginal farmers of the region.

Development of organic block at Agronomy Research Farm , A. N.D. University of Agriculture & Technology Kumarganj, Ayodhya

Organic Block : Total No. of plots : 10

Plot size : 4000 m^2

Pond (One) - Water harvesting purpose

-Fish Production

Organic Components:

- Press mud
- Vermi compost
- F.Y.M.
- NADEP Compost
- Poultry manure
- Sewage and sludge
- Neem cake

Comparison with Inorganic:

- 125% RDN
- 100% RDN
- 75% RDN

Control (without use of fertilizer)

vii. NUMBER OF STUDENTS SUCCESSFUL IN EXAMS (JRF/SRF/NET OR OTHER EXAMS):

S.No.	Name of student	I.D. No.	Department	NET/SRF/JRF
1	Mr. Ashutosh Mishra	A-16080/24	Extension Education	UGC-NET
2	Mr. Adarsh Kumar Tatu	A-14626/23	Genetics and Plant Breeding	UGC-NET
3	Ms. K. Navya	A-16164/24	Genetics and Plant Breeding	UGC-NET

viii. STUDENTS' PLACEMENT:

Sl. No.	Name of Students	Department	Placement
1	Sandeep Kumar	Agricultural Statistics	Assistant Professor, College of Horticulture, SVPUAT, Meerut (U.P.)
2	Dr. Ravi Kumar Rajak	Entomology	Assistant Professor, Department of Agriculture Entomology, College of Agriculture Sardar Patel University, Dongariya, Balaghat, Madhya Pradesh
3	Dr. Ragini Devi	Entomology	Assistant Professor, Department of Agriculture Entomology, College of Agriculture ,Sardar Patel University, Dongariya, Balaghat, Madhya Pradesh
4	Dr Anushka Pandey	Agricultural Meteorology	Programme Manager (UPCAR, Lucknow).
5	Dr Praveen Singh	Agricultural Meteorology	Sant Baba Bhag Singh University, Jalandhar

6	Adarsh Kumar Verma	ABM	DeHaaT
7	Adarsh Singh	ABM	GCMMF(AMUL)
8	Anjali Rai	ABM	Ecosafe Agri-science India Pvt. Ltd.
9	Ankit Shukla	ABM	BigBasket
10	Ankit Singh	ABM	Hyperpure by Zomato
11	Anurag Singh	ABM	Dayal Groups
12	Aryan Tiwari	ABM	VNR Seeds
13	Atal Anand	ABM	Dayal Groups
14	Harsh Kumar Sharma	ABM	Dayal Groups
15	Isha Singh	ABM	Tata Rallis
16	Piyush Mishra	ABM	Ecosafe Agri-science India Pvt. Ltd.
17	Pranav Singh	ABM	Dayal Groups
18	Samar Pratap Singh	ABM	Ecosafe Agri-science India Pvt. Ltd.
19	Shahanwaz Alam	ABM	DeHAAT
20	Shivam Shukla	ABM	BigBasket
21	Siddharth Raj Singh	ABM	Hyperpure by Zomato
22	Sujeet Kumar	ABM	BigBasket
23	Sundaram Pandey	ABM	Kubota Escort
24	Vishwajeet Kumar Rai	ABM	GCMMF(AMUL)
25	Yash Tripathi	ABM	GCMMF(AMUL)
26	Unmesha Dhar	ABM	Ecosafe Agri-science India Pvt. Ltd.
27	Guguloth Prem Sagar	ABM	Ecosafe Agri-science India Pvt. Ltd.
28	Adarsh D	ABM	Safexpress Pvt. Ltd
29	Shahanwaz Alam	ABM	DeHAAT
30	Shivam Shukla	ABM	BigBasket
31	Siddharth Raj Singh	ABM	Hyperpure by Zomato
32	Sujeet Kumar	ABM	BigBasket
33	Sundaram Pandey	ABM	Kubota Escort

ix. TRAINING PROGRAMMES/WORKSHOP/CONFERENCES/ ORGANIZED:

Department of Agribusiness Management

Sl. No.	Program name	Date	Organizer
1	Regional Investor seminar on Introduct ion to Securities Market	19.04.2025	SEBI & ANDUAT, Ayodhya
2	Expert Lecture on Framework of Agri - tourism	14.02.2025	ANDUAT, Ayodhya
3	Startup -spark: Agri -preneurship Awareness Programme	23.12.2024	MSME, ANDUAT & ICAR-CISH





Department of Soil Science and Agricultural Chemistry

- Organized 21 days ICAR sponsored Winter School on "Mass production of microbial formulations for sustainable agri. productivity, soil health and plant disease management".





Departmet of Soil Science and Agricultural Chemistry

- AICRP on Agrometeorology, Faizabad centre organized review meeting of VIII QRT of CRIDA-AICRPAM during 18-19 October, 2024.

Department of Agronomy:

1. Department organized Biennial Workshop of AICRP on Irrigation Water Management during July 2-4, 2024.





Biennial Workshop of AICRP on Irrigation Water Management during 02-04, July 2024

Department of Genetics and Plant Breeding :

1. Organized 63rd All India Wheat & Barley Research Workers Meet during September 11-13, 2024.

x. TRAINING/CONFERENCE/SEMINAR/ WORKSHOP/SYMPOSIUM ATTENDED BY FACULTY (APRIL, 2024 TO MARCH, 2025)

1. Dr. Supriya, Associate Professor, Department of Agricultural Economics, completed a Massive Open Online Course (MOOC) on "Artificial Intelligence in Agriculture" held from 1 to 28 February 2025, offered by ICAR-NAARM, Hyderabad.

2. Dr. Supriya, Associate Professor, Department of Agricultural Economics, participated in "International Conclave on Entrepreneurial Development in Agri-business and Sustainability of Agri-Tech in Self-Reliant Agriculture" on 26-27 September 2024.

3. Dr. Vishal Mehta, Assistant Professor, Department of Agricultural Statistics, participated and completed "30 Days International Agriculture Winter School -Cum-Training Program on "Novel Approaches in Agricultural Systems" Jointly Organized by ICAR-ATARI (11 Zones) & All Krishi Vigyan Kendra; Chandra Shekhar Azad University of Agriculture & Technology, Kanpur; Indian Socirty of Genetics and Plant Breeding, New Delhi; Swami Keshwanand Rajasthan Agriculture University, Bikaner; D. Y. Patil Agriculture & Technical University, Talsande, Kolhapur and Hindustan Agricultural Research Welfare Society (HARWS), Agra during 1-30 March, 2025.

4. Dr. Vishal Mehta, Assistant Professor, Department of Agricultural Statistics, participated and completed an "Online two-week Interdisciplinary Refresher Course on "Research, Writing and Analysis" Organized by Malaviya Mission Teacher Training Centre, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, from 11-11-2024 to 22-11-2024.

5. Dr. Vishal Mehta, Assistant Professor, Department of Agricultural Statistics, participated and completed a one-month online internship in Research Training Organized by the Ministry of Micro, Small, and Medium Enterprises (MSME)-Technology Development Center, Process and Product Development Centre (PPDC), Government of India Society, Foundry Nagar, Agra, Uttar Pradesh, from 08-10-2024 to 08-11-2024.

6. Dr. Vishal Mehta, Assistant Professor, Department of Agricultural Statistics, participated and completed the Online 10 Days NEP 2020 Orientation & Sensitization Programme (OCT-B) under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC), organized by Malaviya Mission Teacher Training Centre, Dr. Babasaheb Ambedkar Marathwada, from 14-10-2024 to 23-10-2024.

7. Dr. Vishal Mehta, Assistant Professor, Department of Agricultural Statistics, participated and presented a paper entitled "Predicting India's Potato Production Using Autoregressive Integrated Moving Average (ARIMA) Time Series Modeling" at the 4th International Conference on "Recent Advances in Agriculture, Food Security, Veterinary & Allied Sciences for Livelihood and Environmental Sustainability (RAFVALES-2025)" Organized By University Of Agricultural Sciences Raichur, Karnataka, Sant Gahira Guru Vishwavidyalaya, Sarguja, Ambikapur and Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur Under The Aegis of Agriculture Forum for Technical Education of Farming Society (AFTEFS) Vital Biotech Education Group, Kota On 25th-27th April, 2025.

8. Dr. Vishal Mehta, Assistant Professor, Department of Agricultural Statistics, participated and presented a paper entitled "Forecasting of groundnut area and production using ARIMA modelling in India" at the International Conference on "Global issue in Multidisciplinary Academic Research (ICGIMAR)" held on 28th July, 2024, at Kohinoor Hotels, Erode, Tamilnadu, by Star International Foundation for Research and Education (SIFRE), Tiruchengode, Namakkal, Tamilnadu.

9. Dr. K. K. Pandey, Associate Professor, Department of Agricultural Statistics, participated in a seven-day International Capacity Development Training Program on Research methodology & data Analysis Using R Programming from 12th to 18th January, 2025.

10. Dr. Nawaz Ahmad Khan, Professor & Head, Department of Molecular Biology and Biotechnology participated and did oral paper presentation on the topic of biofortification of crops and post-harvest management in agronomic crops during the National Conference on 'Emerging Innovations in Biochemistry and Biotechnology for Holistic Development of Agriculture' held at SKUAS &T, Jammu from 6-7 March 2025.

11. Dr. Nawaz Ahmad Khan, Professor & Head, Department of Molecular Biology and Biotechnology, participated in the 1st International Conference on "Innovation to Achieve Climate Resilient Smart Agriculture for Ensuring Global Food & Nutritional Security (IACRSAEGNS-2024) held at ICAR-Indian Institute of Sugarcane Research, Lucknow, on November 18-19, 2024.

12. Dr. Nawaz Ahmad Khan, Professor & Head, Department of Molecular Biology and Biotechnology, participated and completed a one-day workshop on "Yogasana, Meditation, and Yogic Kriyas" organized by ANDUA&T, Kumarganj, Ayodhya on 15th June, 2024.

13. Dr. Robin Kumar, Assistant Professor, Department of Soil Science & Agricultural Chemistry, participated and successfully completed ICAR-sponsored Winter School on "Mass Production of Microbial Formulations for Sustainable Agri-productivity, Soil Health and Plant Disease Management" in the Department of Soil Science & Agricultural Chemistry, College of Agriculture, organized by Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.), from 06th to 26th February, 2025.

14. Dr. Mahendra Singh, Associate Professor, Department of Soil Science & Agricultural Chemistry, participated in the 4th International Web Conference on "Natural Resource Management for global food security and environmental stewardship," Organized by the Academy of NRCM, Lucknow, during 15-16 Oct 2024.

15. Dr. Harshita, Assistant Professor, Department of Plant Pathology, participated and successfully completed ICAR-sponsored Winter School on "Mass Production of Microbial Formulations for Sustainable Agri-productivity, Soil Health and Plant Disease Management" in the Department of Soil Science & Agricultural Chemistry, College of Agriculture, organized by Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.), from 06th to 26th February, 2025.

16. R. K. Doharey, Professor & Incharge Head, Department of Agricultural Extension Education, participated in "National Seminar on Agricultural Extension cum Alumini Meet (AADEE BHU - 2024)" on 15-17 November 2024, held at the Department of Extension Education, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi (UP), India.

17. Dr. N. R. Meena, Assistant Professor, Department of Agricultural Extension Education, participated in the winter school on "Re-Skilling of Rural Youths for Employment Generation in Agriculture" sponsored by the Indian Council of Agricultural Research, New Delhi, and organized by the College of Dairy and Food Technology, MPUAT, Udaipur (Rajasthan), held on 28th January-17th February, 2025.

18. Dr. A.K. Singh, Professor, Department of Agronomy, participated in the Biennial Workshop of AICRP on Irrigation Water Management during July 2-4, 2024, at ANDUAT, Kumarganj, Ayodhya, U.P.

19. Dr. A.K. Singh, Professor, Department of Agronomy, participated in the QRT Review Meeting of AICRP on Irrigation Water Management during 25-26 October 2024 at MPUAT, Udaipur.

20. Dr. A.K. Singh, Professor, Department of Agronomy, participated in the "1st International Farming System Conference" at ICAR- Indian Institute of Farming System Research, Modipuram, Meerut (U.P.) during 07 -09 March 2025.

21. Dr. A.K. Singh, Professor, Department of Agronomy, participated in the QRT meeting during 21-22 June 2025 at ANDUAT, Kumarganj, Ayodhya, U.P.

22. Dr. Neeraj Kumar, Professor, Department of Agronomy, participated in the QRT meeting during 21-22 June 2025 at ANDUAT, Kumarganj, Ayodhya, U.P.

23. Dr. Abhinandan Singh, Assistant Professor, Department of Agronomy, participated in the Biennial Workshop of AICRP on Irrigation Water

Management during July 2-4, 2024, at ANDUAT, Kumarganj, Ayodhya, U.P.

24. Dr. Abhinandan Singh, Assistant Professor, Department of Agronomy, participated in the QRT Review Meeting of AICRP on Irrigation Water Management during 25-26 October 2024 at MPUAT, Udaipur.

25. Dr. Abhinandan Singh, Assistant Professor, Department of Agronomy, participated in the Indian Society of Weed Science biennial conference at BHU, Varanasi, U.P., during 28-30 November 2024.

26. Dr. Abhinandan Singh, Assistant Professor, Department of Agronomy, participated in the AICRP on Integrated farming system biennial workshop at PAU, Ludhiana, Punjab, during 2-5 December 2024.

27. Dr. Abhinandan Singh, Assistant Professor, Department of Agronomy, participated in the "1st International Farming System Conference" at ICAR- Indian Institute of Farming System Research, Modipuram, Meerut (U.P.) during 07 - 09 March 2025.

28. Dr. Abhinandan Singh, Assistant Professor, Department of Agronomy, participated in the QRT meeting during 21-22 June 2025 at ANDUAT, Kumarganj, Ayodhya, U.P.

29. Dr. Abhinav Kumar, Assistant Professor, Department of Agronomy, participated in the Biennial Workshop of AICRP on Irrigation Water Management during July 2-4, 2024, at ANDUAT, Kumarganj, Ayodhya, U.P.

30. Dr. Prashant Bisen, Assistant Professor, Department of Genetics and Plant Breeding, attended a two-days Annual Group Meeting of AICRP on Forage Crops and Utilization held at BAU, Ranchi, during 30-31 July 2024.

31. Dr. Prashant Bisen, Assistant Professor, Department of Genetics and Plant Breeding, attended 21-days Winter School Training Program on Genomic Approaches for Improvement of Stress Resilience and Nutritional Quality in Crops at Division of Genetics, ICAR-IARI, New Delhi, from February 28 to March 20, 2025.

32. Dr. Arun Kumar, Assistant Professor, Department of Genetics and Plant Breeding, attended 21-days Winter School Training Program on Genomic Approaches for Improvement of Stress Resilience and Nutritional Quality in Crops at Division of Genetics, ICAR-IARI, New Delhi, from February 28 to March 20, 2025.

33. Dr. Akash Gaurav Singh, Assistant Professor, Department of Genetics and Plant Breeding, attended 18 days online workshop on "Data Management and Analysis, Documentation and project writing", organized jointly by CSED, HBTU, Kanpur and AICRP on Kharif Pulses, ICAR-IIPR, Kanpur held from Aug 12 to Aug 30, 2024.

34. Dr. Akash Gaurav Singh, Assistant Professor, Department of Genetics and Plant Breeding, attended 21-days Winter School Training Program on Genomic Approaches for Improvement of Stress Resilience and Nutritional Quality in Crops at Division of Genetics, ICAR-IARI, New Delhi, from February 28 to March 20, 2025.

35. Dr. Vinod Kumar Singh, Associate Professor, Department of Genetics and Plant Breeding, attended the three-days 63rd All India Wheat-Barley Research workers meet at ANDUAT during 11-13th September 2024.

36. Dr. Piyusha Singh, Assistant Professor, Department of Genetics and Plant Breeding, attended the three-days 63rd All India Wheat-Barley Research workers meet at ANDUAT during 11-13th September 2024.

37. Dr. Banshidhar, Assistant Professor, Department of Genetics and Plant Breeding, attended the 30-days International Agriculture Winter School cum Training Program on Novel Approaches in Agricultural System held at Hindustan Krishi Anusandhan Bhavan, NH-24, Delhi Road, Moradabad, Uttar Pradesh, from 1 March to 30 March 2025.

38. Dr. Priyanka Jaiswal, Assistant Professor, Department of Genetics and Plant Breeding, attended the 30-days International Agriculture Winter School cum Training Program on Novel Approaches in Agricultural System held at Hindustan Krishi Anusandhan Bhavan, NH-24, Delhi Road, Moradabad, Uttar Pradesh, from 1 March to 30 March 2025.

39. Dr. Vikram Jeet Singh, Assistant Professor, Department of Seed Science and Technology, successfully completed 21-days training program on "Genomic Utilization and Editing of

Plant for Useful Traits" from 07thfeb to 27th Feb 2024, held under the aegis of ICAR-sponsored CAFT in Plant Biotechnology at ICAR-NIPB, New Delhi.

40. Dr. Divya Singh, Assistant Professor, Department of Seed Science and Technology, successfully completed 21-days training programs on "Genomic Utilization and Editing of Plants for Useful Traits" from 07thfeb to 27th Feb 2024, held under the aegis of ICAR-sponsored CAFT in Plant Biotechnology at ICAR-NIPB, New Delhi.

41. Dr. Vinod Kumar, Assistant Professor, Department of Seed Science and Technology, completed 24 days of ICAR CAFT Faculty training on "Pest management Interventions in Changing Climate Scenario for Sustainable Agriculture " organized by Department of Entomology, College of Agriculture, CCSHAU, Hisar, Haryana, from Feb 05 – 25, 2025.

42. Dr. Ashok Kumar, Assistant Professor, Department of Seed Science and Technology, successfully completed ICAR-sponsored 21-day Winter School on "Agri entrepreneurship Development in Seed Sector" from February 18 to March 10, 2025, organized by the Department of Genetics and Plant Breeding, College of Agriculture, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut-250 110 (U.P.).

43. Dr. Sanjiv Kumar Yadav, Assistant Professor, Department of Seed Science and Technology, successfully completed ICAR-sponsored 21-day Winter School on "Agri entrepreneurship Development in Seed Sector" from February 18 to March 10, 2025, organized by the Department of Genetics and Plant Breeding, College of Agriculture, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut-250 110 (U.P.).

44. Dr. Kamal Ravi Sharma, Assistant Professor, Department of Entomology, participated in the Capacity Building Program on "Morphological and molecular identification including mass production of natural enemies associated with economically important insect pests (including invasive) of Indian agroecosystems" from 16 January to 05 February 2025 at ICAR-National Bureau of Agricultural Insect Resources (NBAII), Bangalore, India.

45. Dr. Kamal Ravi Sharma, Assistant Professor, Department of Entomology, participated in "8th National Youth Convention on New Perspectives for Sustainable Agriculture and Livelihood Security (NPSALS2024)" jointly organized by Institute of Agricultural Sciences, BHU, Varanasi (U.P.).

46. Dr. Ram Veer, Assistant Professor, Department of Entomology, participated in Capacity Building Program on "Mass Production of Microbial Formulations for Sustainable Agri-Productivity, Soil Health and Plant Disease Management" during 06 February 2025 to 26 February 2025 at Department of Soil Science & Agricultural Chemistry, College of Agriculture, ANDUA&T, Kumarganj, Ayodhya-224229 (U.P).

47. Dr. S.R. Mishra, Professor & Head, Department of Agricultural Meteorology, AICRP on Agrometeorology, Faizabad centre, organized a review meeting of VIII QRT of CRIDA-AICRPAM during 18-19 October, 2024.

48. Dr. Srishti Kushwaha, Assistant Professor, Department of Agribusiness Management, participated and presented a poster session during the 32nd National Conference on "Soil, Water and Energy Management for Sustainable Agriculture and Livelihood Security" organized by the Soil Conservation Society of India (U.P. State Chapter) and Department of Soil Conservation & Water Management, CSAUA&T held at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur, 18-20 October 2024.

49. Dr. Srishti Kushwaha, Assistant Professor, Department of Agribusiness Management, attended the 7-days International Capacity Development Training Program on "Research Methodology & Data Analysis Using 'R' Programming" organized by the Society of Agricultural Research, Applied Technology and Environment Science, India from January 12th to 18th, 2025.

50. Dr. Mahendra Singh, Associate Professor, paper presentation in POMS India International Conference 2024, organized at IIM, Ranchi, on a paper titled "Sustaining supply chain operational performances by reverse logistics: methods, applications and techniques". 3-6 December 2024.

xi. AWARDS TO COLLEGE/FACULTY:

- Dr. M. S. Swaminathan Award (Agriculture)

presented to Dr. Vishal Mehta during the 4th RAFVALES-2025, for contribution to agricultural statistics.

- Best Teacher Award presented to Dr. Vishal Mehta during the National Conference on BioVision 2025 held on 21–22 March 2025.
- Best Faculty Award to Dr. Vishal Mehta for excellence in teaching, research, and administration during ICGIMAR 2024, Erode, Tamil Nadu.
- Young Scientist Award presented to Dr. Vishal Mehta during the International Conference on Decarbonizing Agriculture (25–27 November 2023), Mangalore, Karnataka.
- Dr. Kamal Ravi Sharma became a Fellow of Entomological Science Academy.
- Dr. Kamal Ravi Sharma got Young Scientist Award-2023" by AIASA, New Delhi and Institute of Agriculture Sciences, BHU, Varanasi.
- Dr. Kamal Ravi Shama got "Young Scientist Award-2025" by Entomological Science Academy, Division of Entomology, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu.
- Best Oral presentation award to Dr. Mahendra Singh (Assoc. Prof, SSAC) during 4th International Web Conference on "Natural Resource Management for global food security and environmental stewardship" Academy of NRCM, Lucknow, 15-16 Oct 2024.
- Lifetime Achievement Award, 2024 to Dr. S. C. Vimal (Professor and Head, Deptt. of Seed Science and Technology) conferred by Green Agri Professional society Dhanbad Jharkhand,

EXTENSION ACTIVITIES:

Department of Crop Physiology

Radio Talk :

- आलोक कुमार सिंह (कृषि जगत–भेटवार्ता–सब्जी फसलो में सूक्ष्म पोषक तत्वो का उपयोग एवं महत्व। दिनांक 27 अगस्त 2024।
- कृषि जगत–भेटवार्ता–पादप हार्मोन का सामयिक फसलो पर उपयोग और महत्व दिनांक 16 दिसम्बर 2024.
- किसानवाणी–भेटवार्ता–जायद की प्रमुख फसलो में पादप हार्मोन की उपयोगिता दिनांक 29 अप्रैल 2025।

Department of Soil Science & Agrilcultural Chemistry

- Radio talk on "*Fasloutpadan me Jaiv urwarako ki upyogita*" at Parashar Bharti Ayodhya 11.11.2024 (Mahendra Singh).
- Delivered lecture in Farmer's Training in Director Extension (Mahendra Singh)
- Delivered lecture in Farmer's Training in Director Extension (Anand Singh)

Department of Genetics and Plant Breeding

- AICRP on Wheat & Barley organized Awareness Day for Scheduled Cast during Rabi 2024 for wheat cultivation and production techniques.
- Kishan Gosthi cum seed distribution of Napier rooted slips was conducted at Dholi village under AICRP on Forage Corps on August 29, 2024.
- Kishan Gosthi cum seed distribution of Oat was conducted at Dholi village under AICRP on Forage Corps on December 11, 2024.
- 2.3t of breeder seeds of Sarju-52 rice and RH725 Indian mustard were produced by the GPB farm as part of its responsibility to ensure high quality seeds are available for further multiplication by different agencies.





Department of Agricultural Meteorology

- Use of information sharing system to the ends users for medium, long-range & extended long-range.
- Value added weather based agro-advisory system at micro-level.
- Demonstration & awareness programme of environmental technologies/ environmental sustainability & NRM using extension activities.

xii. SOCIAL PROGRAMMES/ DAYS/EVENTS ORGANIZED:

Celebration of different Days/events:

- *Swachhta Abhiyan*' on the occasion of 'Mahatma Gandhi' *Jayanti*: 2nd October 2024-Organized by the College of Agriculture, A.N.D.U.A.&T, Ayodhya.
- '*Ek Ped Maa Ke Naam*' programme: 2024
- *Har Ghar Tiranga*' programme on the occasion of Indpendance Day: 15th August 2024-Organized by the College of Agriculture, A.N.D.U.A.&T, Ayodhya.

xiii. PUBLICATIONS

a. Research articles:

S. No.	Title	NAAS rating
1.	Rajak, R. K., Kumar, P., Chandra, U., Singh, S. K., Chaudhary, V. P., Chandra, S. and Devi, R. (2024). Seasonal Incidence of Major Insect Pests in Mungbean; *Vigna radiata* (L. Wilczek). *Journal of Advances in Biology & Biotechnology*, 27(5), 247-255.	5.30
2.	Devi, R., Chandra, U., Kumar, P., Singh, S. K. and Rajak, R. K. (2024). Population Dynamics of Helicoverpa armigera in Chickpea, (*Cicer arietinum* L.). *Journal of Advances in Biology & Biotechnology*, 27(5), 389-396.	5.30
3.	Sharma, K. R., S. V. S. Raju, Singh S. K., Singh, R., Dhanapal R. and Kumar R. (2024). Differential preference of grain of landrace and commercial rice genotypes to *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) attack. *Journal of Stored Product Research,* 108, 102373	8.80
4.	Sharma, K. R., S. V. S. Raju, R .S. Meena, Singh, S. K. and Singh, R. (2024). Evaluation of rice genotypes and varieties for resistance to white-backed planthopper, *Sogatella furcifera* (Horvath) (Hemiptera: Delphacidae). *Journal of Entomological Research.* 48 (2), 198-202.	5.63
5.	Sharma, K. R., S. V. S. Raju, Singh, S. K. and Singh, R., R. S. Meena (2024). Rice genotypes and the biochemical basis of resistance against brown planthopper, *Nilaparvata lugens* (Stål). *ENTOMON.* 49(2), 215-220.	5.24
6.	Sharma, K. R., Raju, S. V. S., Singh, S. K., Singh, R., Chandra, U., Dalal, P. K. and Kumar, R. (2024). Effect of biotic and abiotic factors on the population dynamics of *Nilaparvata lugens* in the middle Gangetic Plains of India. *Journal of Environmental Biology*, 45(5), 603-611.	6.60
7.	Sharma, K. R., Raju, S. V. S., Singh, S. K. and Kumar, R. (2025). Defensive responses of rice genotypes against yellow stem borer, *Scirpophaga incertulas* (Walker). *Indian Journal of Entomology*, 87(1), 91-97.	5.59
8.	Singh, S. P., Singh, S. K., Sharma, K. R., Chandra, U. and Yadav, P. K. (2024). Evaluation of field efficacy and economics of different insecticide combinations with botanicals against insect pest complex in mungbean. *Ann. Entomol*, 42(2), 139-149.	4.29
9.	Singh, R., Mishra, P. R., Sharma, K. R., Mangaraj, S., Behera, D. K. and Singh, S. K. (2024). Role of Physical and Biochemical Characters in Groundnut Genotypes as a Basis of Resistance against Groundnut Bruchid, *Caryedon serratus* Olivier during Storage. *Legume Research.* Online Published	6.80
10.	Patel, P. K., Singh, S. K., Chandra, U., Sharma, K. R., and Rajak, R. K. (2024). Screening of rapeseed mustard germplasms against mustard aphid, *Lipaphis erysimi* (Kalt.). *Journal of Entomological Research*. 48 (2), 203-208.	5.63
11.	Verma, R. K., Singh, S. K., Chandra, U. and Sharma, K. R. (2024). Impact of different intercrops on the incidence of insect pests in cabbage. *Environment Conservation Journal*, 25(2), 434-442.	5.01

12.	Kumar, S., Singh, S.K., Chandra, U. (2024). Bioefficacy of Certain Combination Insecticides against Insect Pests in Tomato. *Environment and Ecology*. 42(3):935-941.	4.87
13.	Kumar, B., Singh, S. K., Sharma, K. R., Yadav, P.K. (2025). Comparative effectiveness of certain insecticides in combination with botanicals against major insect pests in french bean (*Phaseolus vulgaris* L.). *Environment Conservation Journal,* 26 (1), 186-193.	5.01
14.	Kumar, M., Mishra, A., Singh, G. and Singh, S. (2025). Trend pattern analysis of cotton using linear and non-linear models. *Journal of Basic and Applied Research International*, 31(2), 6–17.	4.50
15.	Veer, R., Chandra, U., Yadav, S. K., Yadav, H. K., Dalal, P. K., Singh, S. K., and Kumar, V. (2025). Effective bio-rational insecticides against gram pod borer, Helicoverpa armigera in chickpea, *Journal of Experimental Zoology, India*, 28 (1), 281-290.	4.78
16.	Kushwaha, V., Prasad, S., Singh, P.K., Kumar, R., Khan, M.A.R., Bharti, B., and Kumar, A. 2025. Evaluation of yield and grain quality attributes in rice (*Oryza sativa* L.) genotypes. *Plant Science Today*. https://doi.org/10.14719/pst.6727	6.70
17.	Kushwaha, V., Prasad, S., Khan, N.A.,Verma, A.K., Kumar, A., Yadav, H.K.,Maurya, R.K.,& Kumar, P. (2025). Evaluation of grain quality and yield attributes traits in biofortified rice (*Oryzasativa* L.) Lines. *Library Progress International*, 45(1).	NA
18.	Raiya, R., Yadav, H. K., Kumar, K., Prakash, N. R.,Parida, S. K.,Bharadwaj, C.,Hegde, V., and Tripathi, S. (2025). Genome-wide association analysis using multi-model approach identified novel associations for plant architectural traits in chickpea germplasm collection. *The Nucleus*. https://doi.org/10.1007/s13237-025-00533-6	8.10
19.	Maurya, R. K., Dwivedi, D. K., Singh, S. P., Khan, N. A., Dixit, S., Kumar, A., Kumar, A., Yadav, H. K. and Kushwaha, S. (2025). Genetic Diversity and Trait Contribution in Rice Genotypes Using Mahalanobis D^2 Statistic. *The Bioscan*, 20(2), 194-198.	4.06
20.	Verma, A. K., Khan, N. A., Yadav, H. K., Kumar, A., Kumar, A., Prasad, S., Shamim, M. and Khan, N. N. (2025). Genetic Diversity and Trait-Based Selection in Aromatic Rice (*Oryza sativa* L.): A Multivariate Trait Analysis Approach. *The Bioscan*, 20(2) S2: 801-808.	4.06
21.	Kumar, V., Bharti, B., Nath, S., Pratap, J., Prasad, S., and Kumar, D. (2025). Genetic divergence, variability and association analysis for seed yield and its contributing traits in selected germplasm of field pea (*Pisumsativum* L.). *Legume Research*. https://doi.org/10.18805/LR-5413	6.80
22.	Mohanty, A., Dwivedi, D. K., Khan, N. A., Ranjan, T. and Verma, A. (2025). *In silico* Characterization of Coat Protein of Family Solemoviridae. *African Journal of Biomedical Research*, 28(2s). https://doi.org/10.53555/AJBR.v28i2S.7193	Scopus/ Web of Science
23.	Zaidi, S. T., Singh, A. K., Bahadur, R.,Yaday, R. K., Kewat, R. N., Khan, N. A., Kumar, R. and Singh, A. (2024). Examine the Efficacy of Mannitol and Nano Urea in Alleviating the Negative Impacts of Terminal Heat Stress on Wheat (*Triticumaestivum*). *African Journal of Biomedical Research*, 27(4).	Scopus/ Web of Science
24.	Mishra, A., Khan, N.A., Jha, R. K., Murugesh, T. and Singh, A. (2024). Study of resistance mechanism of Alternaria blight (*Alternaria brassicicola*) by biochemical markers in Indian Mustard (*Brassica juncea* L.). *Frontiers in Plant Science*, 15.	10.10
25.	Mohanty, A., Dwivedi, D. K., Khan, N. A. and Ranjan, T. (2024). *In silico* Characterization of Coat Protein of Family Alphaflexiviridae. *Library Progress International*, 44(3).	Scopus/ Web of Science
26.	Haseen, R., Khan, N. A., Kumar, A., Mubeen, Ahmad, N., Dwivedi, A., Khan, N. N. and Dwivedi, D.K. (2024). Biochemical and metabolic studies of wheat (*Triticum aestivum* L.) in response to salinity under laboratory and field condition. *African Journal Biology Sciences*, 6(13).	Scopus/ Web of Science

27.	Garima, Dwivedi, D. K., Khan, N. A., Yadav, H. K., Devi, A., Dixit, S., Kumari, P., Khan, N. N. and Mubeen. (2024). Molecular genetic and biochemical responses of rice genotypes (*Oryza sativa* L.) under salinity conditions. *African Journal Biology Sciences*, 6(14).	Scopus/ Web of Science
28.	Singh, J., Khan, N. A., Verma, A. K., Khan, N. N. and Mubeen. (2024). Carbohydrate and nitrogen metabolism in wheat (*Triticum aestivum* L.) in response to salinity in laboratory and field condition. *African Journal Biology Sciences*, 6(12).	Scopus/ Web of Science
29.	Yadav, S., Kumar, A., Ahamad, N., Singh, H., Dwivedi, D. K., Saroj, S. and Singh, A. (2024). Isolation and characterization of *Sclerotiniasclerotiorum* isolates infecting brinjal and tomato. *Plant Archives*, 24(2).	5.59
30.	Kumar M, , A., Ram, B., Dwivedi, K. N. and Shreeya. (2024). Isolation and characterization of *Rhizoctonia solani* L. causal agent of sheath blight of paddy. *Plant Archives*, 24(2).	Scopus/ Web of Science
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b. Books :

Sr. no.	Title of the book
1.	Kumar, M., Prakash, G. andMishra, A. (2024). A Practical Guide of Agricultural Statistics. Mahi Publication, Gujarat, India. (ISBN: 978-93-6678-819-7)
2.	Supriya, Srivastava, A.B., Sharma, G., Yadav, S. and Gautam, R. (2024). Agricultural Finance and Cooperation . (ISBN: 978-93-58870-84-8)
3.	Supriya, Srivastava, A.B., Sharma, G., Al Khatib, A.M.G. and Abotaleb, M. (2024)Farm Management, Production and Resource Economics. (ISBN: 978-93-58875- 60-713)
4.	Supriya, Mishra, P. and Kumar, P. (2024). Economic Perspectives Navigating the Financial Landscape. (ISBN: 978-93-58878-81-3)
5.	Doharey, R.K., Verma, A., Satyapriya and Warshini, A. (2025). Global horizons in agricultural extension education: Insights from international perspectives. Nova Science Publishers USA. (ISBN 979-8-89530-446-4)
6.	Rajput, V.D., Doharey, R.K., Kumari, V., Verma, A. and Warshini, A. (2024). Bridging the digital divide: Empowering rural women in India through emerging technology. NIPA. New Delhi. (ISBN 978-93-58877-60-1)
7.	Singh, S.K. and Sharma K.R. (2024). Dalhani Faslon Main Keet Prabandhan Agrotech Publishing Academy, Udaipur (Rajasthan). **(**ISBN: 978-81-19892-32-7**)**
8.	Yadav, D. N., Kumar, R., Singh, A. K., and Yadav, V. (Eds.). (2024). Manure, fertilizers and soil fertility management The Pustakalaya, Repro Books Ltd. (ISBN: 978-93-91900-49-6)
9.	Yadav, D. N., Kumar, R., Yadav, V., and Laha, A. (20 25). The fundamentals of soil science . (ISBN 978-93-49060-12-8)
10.	Rout, S., Swapnil, Singh, D., Chakrabor ty, A. and Sharma, S. S. (Eds.). (2025). Innovative plants breeding. RL International Publication. (ISBN 978-81-984149-4-6)

COLLEGE OF AGRICULTURE CAMPUS, AZAMGARH CAMPUS

Dr. D. K. Singh, Dean

The College of Agriculture in Kotwa, Azamgarh, established in 2018 stands as a testament to the expansion of Acharya Narendra Deva University of Agriculture & Technology in Kumarganj, Ayodhya, Uttar Pradesh. The college's inception dates back to the laying of its foundation stone on 04th March, 2014, symbolizing its commitment to agricultural education and research. The regular class in the college commenced from the academic session of 2018-19, welcoming 105 students to the B.Sc. (Hons.) Agriculture degree program. The college started the post-graduate programme in the year 2022-23 in two subjects- Agricultural Extension Education and Agricultural Economics.

Disciplines:

This College of Agriculture Campus has the following disciplines.

1. Agricultural Economics
2. Agricultural Engineering
3. Agricultural Extension Education
4. Agricultural Microbiology
5. Agricultural Statistics
6. Agronomy
7. Crop Physiology
8. Entomology
9. Forestry
10. Genetics and Plant Breeding
11. Horticulture
12. Plant Pathology
13. Soil Science and Agricultural Chemistry

(i) New faculty added :

Assistant Professor	Associate Professor	Professor
Nil	01	Nil

(ii) New students admitted during academic year 2024-25 :

Undergraduate (UG) B.Sc. (Hons.) Agriculture		Post-graduate (PG) M.Sc. (Ag.)	Ph.D.
Azamgarh	Gonda		
76	36	01	Nil

(iii) Total student strength in UG, PG and Ph.D. Programmes during the year 2024-25

S. No.	Degree Programme	Students' strength (2024-25)				
Undergraduate (UG)						
1.	B.Sc. (Hons.) Agriculture (Azamgarh Campus)	1st year	2nd year	3rd year	4th year	Total
		76	72	63	43	324
2.	B.Sc. (Hons.) Agriculture (Gonda Campus)	36	35	-	-	71
Post-graduate (PG)						
3.	M.Sc. (Ag.) Agricultural Extension Education	03				
4.	M.Sc. (Ag.) Agricultural Economics	00				

(iv) Teaching activities: ELP/RAWE programmes

Students'activities during the Experiential Learning Programme (ELP) (2024-25)

S. No.	ELP module code	ELP module title	No of students
1	ELP -422	Seed Production and Technology	32
2	ELP-423	Mushroom Cultivation Technology	03
3	ELP-429	Food Processing	08
4	ELP-4211	Organic Production Technology	41

ELP -422 (Seed Production and Technology)



Field activity (Thinning, rouging & weeding) during ELP on Seed Production and Technology

ELP -423 (Mushroom Cultivation Technology)



Different activities during Mushroom Cultivation

ELP-429 (Food processing)

The students prepared many products, like as Rose Squash, Gulkand, RTS (Orange, Lemon, Mango), Gulkand Ice cream, Ragi and Multigrain Biscuits. They also sell the product on the campus and the local market, or the periphery of the campus.



Rose squash preparation



Energy drink



Ragi Biscuit



Gulkand Ice-cream

ELP- 4211 Organic Production Technology

The students prepared many organic inputs, like as Panchgavya, Dashgavya, Neem seed Kernel Extract, Fish Amino acid (Jaggery and Sugarcane Juice), Neemastra. They applied these inputs in the production of Pumpkin, Sponge Gourd and Okra.



Preparation method of NKSE



Preparation Method of Brahmastra



Preparation Method of Fish Amino Acid

Students' activities during the RAWE and AIA Program (2024-25)

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

The programme offered to the B.Sc. (Hons) Ag. 4th year students in the I Semester of 2024-25, in which forty students registered and completed the programme. The programme had different components, namely Village attachment, Plant Clinic, KVK Attachment and Agro-Industrial Attachment. In Village attachment, the students surveyed the Tamauli Village of Palhani Block, Azamgarh District, for one and a half months. At the end, a Kishan Goshthi was organized under this programme at the adopted village.



Participatory Rural Appraisal



Kishan Goshthi in Tamauli Village

(v) Strengthening of infrastructure

- Conference halls digital interactive board with ICT-connected facilities
- The indoor game facility with a ground-floor foam-type mat.

A semi-automatic roti maker has been installed in the mess to maintain a hygienic environment and improve cooking efficiency without delays while serving the students.



Semi-automatic roti maker machine

(vi) Research achievements: varieties and technology developed, Patents, MoUs, Research projects (under operations and submitted)

Research project:

S. No.	Name of PI	Project Title	Sponsoring agency	Status
1.	Dr Anil Kumar Singh	Study on Socio -Economic Livelihood of Farmers through PM Kisan Samman Nidhi in Eastern Uttar Pradesh	UPCAR, Lucknow	On-going

(vii) Number of students successful in exams (JRF/SRF/NET or other exams):

S.No.	Name of student	ID No	Name of exam
1	Faisal	A-11469/20	CUET (M.Sc.)
2	Nandgopal	A-11477/20	CUET (ABM)
3	Priyanshu Gupta	A-11487/20	CUET (M.Sc.)
4	Rahul Kumar	A-11490/20	CUET (M.Sc.)
5	Abhishek Kumar Pal	A-11449/20	UPCATET (M.Sc.)
6	Abhishek Kumar Tripathi	A-11450/20	UPCATET (M.Sc.)
7	Ankit Chaudhari	A-11458/20	UPCATET (M.Sc.)
8	Anurag Mishra	A-11461/20	UPCATET (M.Sc.)
9	Ashish Rao	A-11463/20	UPCATET (M.Sc.)
10	Ashutosh Yadav	A-11464/20	UPCATET (M.Sc.)
11	Indrajeet	A-11473/20	UPCATET (M.Sc.)
12	Prakhar Agnihotri	A-11482/20	UPCATET (M.Sc.)
13	Prakhar Singh	A-11483/20	UPCATET (M.Sc.)
14	Rahul Ranjan	A-11491/20	UPCATET (M.Sc.)
15	Sachin Kumar	A-11493/20	UPCATET (M.Sc.)
16	Sachin Singh	A-11494/20	UPCATET (M.Sc.)
17	Shashank Shekhar	A-11499/20	UPCATET (M.Sc.)
18	Ashwani Tiwari	A-11465/20	Allahabad University (M.Sc.)
19	Puspendra Singh	A-11488/20	Allahabad University (M.Sc.)

(viii) Training programmes/workshops/conferences organized:

S.No.	Name of the workshops/seminars	Duration
1.	One-Day Entrepreneurship Awareness Program	1 day
2.	One-Day Agricultural Education Program	1 day

ix. Training /Summer school/ Winter School/ Seminar/ Symposia/ Conference, etc. attended by faculty from April 2024 to March 2025

1. Dr. Vinod Kumar, Asst. Prof. (Soil Science) participated in online National Seminar on “Green Energy for Clean Environment & Sustainable Agriculture” organized by the Academy of Natural Resource Conservation and Management (ANRCM), Lucknow (Uttar Pradesh) India at ICAR-NBFGR on 22 April, 2025.
2. Dr. Vinod Kumar, Asst. Prof. (Soil Science) participated in 21 days summer school cum training on "New Advancements in Agricultural Sciences: From the Green Revolution to Viksit Bharat 2047" (NAAS:2024) jointly organized by Agri Meet Foundation Bharat in Collaboration with ICAR-DCR Puttur Karnataka, SKLTSHU Telangana, MGUVV Durg Chattisgarh & ICAR NIBSM Raipur durinf 15 August to 04 September, 2024 via Hybrid Mode.
3. Dr. T. Pandiaraj, Asst. Prof. (Agrinomy) participated in 21 days summer school cum training on "New Advancements in Agricultural Sciences: From the Green Revolution to Viksit

Bharat 2047" (NAAS:2024) jointly organized by Agri Meet Foundation Bharat in Collaboration with ICAR-DCR Puttur Karnataka, SKLTSHU Telangana, MGUVV Durg Chattisgarh & ICAR NIBSM Raipur durinf 15 August to 04 September, 2024 via Hybrid Mode.

4. Dr, Vimlesh Kumar, Asst. Prof. (Horticulture) participated in 2nd international agriculture conference on "Natural Farming Innovations: Enhancing soil health and seed quality with AI and Drones for a greener Agricultural Future" during 03-05 November, 2024 organized by Hindustan Agricultural Research Welfare Society, Gujrat.

5. Dr. Renu Gangwar, Asst. Prof. (Extension Education) participated in 1st International Conference on "Emerging Technologies in Agriculture and Allied Sciences (ETAAS-2024)" organized by Society for Agriculture, allied sciences and technologies (SAAT) Odisha, School of Agriculture, SR University, Warangal and Meadow Agriculture Pvt. Ltd. UP held on 10-11 August, 2024.

6. Dr. Renu Gangwar, Asst. Prof. (Extension Education) participated in 8th International Conference on "Cutting - Edge Research Innovation in Sustainable Education, Environment & Agriculture (CRISEA-2025)" organized by Agricultural Technology Development Society (ATDS) Ghaziabad, Uttar Pradesh, India held on 24-26 February, 2025.

7. Dr. Sandeep Kumar Pandey Asst. Prof. (Agril. Engineering) participated in ICAR winter school on "Robotics, Artificial Intelligence and Big data with Innovative cum Futuristic Engineering for Smart Agriculture" during 28 February to 20 March, 2025.

8. Dr. Manish Kumar, Asst. Prof. (Agril. Statistics), attended a one-day stakeholders consultation workshop on "Start-up and Entrepreneurship: Overcoming Challenges" organized by Agri-business Innovation and Incubation Centre (AIIC), ANDUAT, Ayodhya on 9th August, 2024.

9. Dr. Manish Kumar, Asst. Prof. (Agril. Statistics), participated in Interdisciplinary Refresher Course on "Research, Writing and Analysis" organized by Malaviya Mission Teacher Training Centre, I.I.T. (I.S.M.) Dhanbad during 11-22 November, 2024.

10. Dr. Shweta Patel Asst. Prof. (Entomology) participated in 21 days ICAR sponsored Winter school on "Innovative Approaches for the Biotic Stress Management in Vegetable Crops" organized by ICAR-IIVR, Varanasi during 18th Feb -10th March, 2025

11. Dr. Shweta Patel Asst. Prof. (Entomology) participated in Workshop on "Virtual training cum workshop on AICRP Experiments and intranet functionalities" on 03-05th September, 2024.

12. Dr. Shweta Patel Asst. Prof. (Entomology) participated in National Seminar on "Apicultural Innovation and Entrepreneurship: Igniting Ideas, Inspiring Enterprises" on 20th June, 2025.

13. Dr. Vinit Pratap Singh Asst. Prof. (Plant Pathology) participated in one week International Faculty Development Program-Cum-Workshop on ICAR- Indian Agricultural Educational & Research Model vs. Global Agricultural Educational & Research Model dated on 14-20 July, 2024 jointly organized by Cambridge International Agriculture Organization, Southern Federal University, Russia, Hindustan Agricultural Research Welfare Society, ICAR- Central Institute for Research on Goats, International Maize and Wheat Improvement Center (CIMMYT), Gujarat Natural Farming and Science University.

14. Dr. Vinit Pratap Singh Asst. Prof. (Plant Pathology) participated in three days 2nd International Agriculture Conference on "Natural Farming Innovations: Enhancing Soil Health and Seed Quality with AI and Drones for a Greener Agricultural Future" held on November 3-5, 2024 jointly organized by Gujarat Natural Farming Science University; Indian Society of Genetics and Plant Breeding, New Delhi; ICAR, New Delhi; Russia, Hindustan Agricultural Research Welfare Society, Agra; Southern Federal University, Russia; Cambridge International Agriculture Organization, CIAO; IAgSc, BHU, Varanasi; International Maize and Wheat Improvement Center (CIMMYT), India, New Delhi; ICARDA- INDIA, New Delhi; Hansraj College, Delhi University, New Delhi and D.Y. Patil Agriculture and Technical University, Kolhapur.

(x) Awards to college/faculty

S. No.	Name of teachers/ Scientists	Name of award	Awarding agency	Date of award
1.	Prof. D.K. Singh	Outstanding contributions during the NAAC visit	ANDUAT, Kumarganj, Ayodhya	10.10.2024
2.	Dr. Vinod Kumar	Best performance faculty award during the NAAC visit	ANDUAT, Kumarganj, Ayodhya	10.10.2024
3.	Dr. T. Pandiaraj	Best performance faculty award during the NAAC visit	ANDUAT, Kumarganj, Ayodhya	10.10.2024
4.	Dr. Akanksha Tiwari	Young Teacher Award	Agricultural Technology Development Society, Ghaziabad, Uttar Pradesh	2025
5.	Dr. Renu Gangwar	Best Teacher Award	Agricultural Technology Development Society	24-26 February, 2025
6.	Dr. Anil Kumar Singh	Dr. M.S. Swaminathan Award	Agriculture Forum for Technical Education of Farming Society	15-17 October, 2024

(xi) Social programmes/days/events organized:

1. **Dr Bhimrao Ambedkar Jayanti:** On April 14, 2024, the college celebrated the birth anniversary of Baba Saheb Dr B.R. Ambedkar, the Main Architect of the Indian Constitution. All staff and students paid floral tributes to Baba Saheb Dr Ambedkar, and thereafter, the Associate Dean, Prof. D.K. Singh, gave speeches praising the vision and leadership of Baba Saheb, the monumental role played by him in the making of the Indian Constitution and his stellar contribution as the first Law Minister of India

2. **World Environment Day:** The world environment was celebrated on 5th June 2024 in collaboration with the Social Forestry Department of Azamgarh, with the theme of "Land Restoration, Desertification and Drought Resilience. The programme consisted of a Lecture series on "Land Restoration, Desertification and Drought Resilience and Plantation

3. **International Yoga Day:** International Yoga Day is celebrated with enthusiasm on June 21. Yoga sessions were held from17 to 21 June 2024to raise awareness of the benefits of practicing yoga. Instead of yoga practice, different entertaining events likea plantation, cycle races were also organised.

4. **Independence Day:** Independence Day was celebrated with great enthusiasm on 15th August 2024 on the College Campus with the staff and students to mark the 77th year of freedom from British rule. On this special occasion, the programme started with flag hoisting by the Dean, Prof. D.K. Singh, followed by the National Anthem.

5. **Parthenium Awareness Week:** Parthenium Awareness Week was celebrated at the campus from August 16 to 22, 2024. A wide range of activities were conducted to spread maximum awareness among staff members, students, campus workers, and people in different villages. All the staff members of the college actively participated in the Parthenium eradication drive by removing the weeds present outside the college. To spread awareness in the surrounding villages on August 18, a programme was organised in Tamuli village in Azamgarh involving village

people, farmers, and farm women, and mass awareness was done. Subsequently, an on-road rally was held to enlighten the public about Parthenium weeds. Dean lauded the organisers' efforts to manage this deadly plant across a greater area with public engagement.

6. **National Sports Day:** The College of Agriculture, Azamgarh, celebrated National Sports Day by organising one-day sports events in the college on August 29, 2023. The theme for this year was "Sport for the Promotion of Peaceful and Inclusive Societies." Speaking on the occasion, Prof. D.K. Singh, Dean of the college, said that National Sports Day is celebrated to commemorate the achievements and services of hockey legend Major Dhyan Chand on his birthday. He alluded to the fact that sports help develop overall character to become more efficient, confident, and adaptable. It teaches various life skills and healthy habits to students. He further advised the students to maintain a proper balance between sports activities and studies for overall growth and development. The event was highlighted by organising sports activities such as volleyball matches, athletes, etc. The event concluded with the distribution of trophies and medals to the winners of various events.

7. **Constitution Day Celebration:** National Constitution Day was celebrated at the college on November 26, 2024, to commemorate the adoption of the Indian Constitution. The entire college reaffirmed its commitment to the Indian Constitution by taking the pledge. The whole college team paid floral tributes to Babasaheb Dr. B.R. Ambedkar

8. **Republic Day:** The ceremony commenced with the unfurling of the National Flag by the Associate Dean, Prof. D.K. Singh. He addressed the gathering and highlighted the achievements of the college. He underscored the steps the college has taken to ensure the overall development of its students and took pride in mentioning that the college is well ahead of the academic standards.

9. **Cleaning up the Tamsa River**: Upon the clarion of Shri Surya Pratap Sahi, Minister of Agriculture, Agricultural Education, and Research, the college under Prof. D.K. Singh, Dean, organised the cleaning of the river Tamsa on June 23, 2024. The volunteer students, along with the faculty and staff of the college, collected large amounts of trash from the river with full zeal and enthusiasm. The main focus is raising awareness about clean water bodies, rejuvenating them, and giving a strong message to the local community. They urged people to ensure the sanctity and purity of the holy river. The participation of students in the cleanliness drive was appreciated by the Dean of the college.

10. **Bade Bhandara Celebration:** The college organised a grand Bhandara event on the occasion of Bade Mangal Day on June 18, 2024. This event was organised at the Lord Shiv temple located in Kotwa, Azamgarh. The event was programmed with a prayer part and then offering 'Prasad (blessed food) to the public. All the faculty and staff members of the college, along with the students, have participated in the programme under the leadership of the college dean.

11. **World Drug Day Celebration:** On June 26, 2024, in view of the World Anti-Drug Day Awareness Rally, it was organised at the college campus to the adjacent villages. The students and staff of the college took out a massive rally to mark the 'International Day against Drug Abuse and Illicit Trafficking'. More than two hundred people participated in the rally. The rally organised to create awareness of the growing menace of drug addiction among youngsters was flagged off by Prof. D.K. Singh, Dean of the college. The NSS officer and Assistant Dean of Student Welfare, Dr. Anil Kumar Singh, narrated the various harmful effects of drug addiction and illicit hooch. During the programme, health awareness about drug abuse-related information was raised among the people.

(xii) Dean Student Welfare: Student Welfare activities

1. **Tablet Distribution Programme:** On June 21st, 2024, the college hosted a tablet distribution ceremony as part of the Uttar Pradesh Free Tablet Yojana, an initiative under the Swami Vivekanand Yuva Shikshanikaran Yojana by the state government. The esteemed guest at the ceremony was Shri Surya Pratap Sahi, Minister of Agriculture, Agricultural Education, and Research. The event commenced with the lighting of a lamp, followed by Jal Bharo by the dignitaries. Professor D.K. Singh, the College Dean, extended a warm welcome to the guest of honour with a bouquet and a memento. Totally, 145 students of the college have received the tablets. The Hon'ble Minister emphasised the empowerment that comes with technology, stating that the world is in the hands of the students through the tablet.

2. In the financial year 2024-25, a total, 194 students of the college have received scholarships as part of the Uttar Pradesh Shulk Pratipurti Evam Chhatravitti scheme by the state government.



(xiii) Library:

Activities related to strengthening, like purchase of books, computers, magazines, journals, digitisation, etc., total number of books.

- Total number of books available in the library-708
- A total of 426 books were purchased during this financial year
- A computer was installed in the library to provide patrons with access to online resources and other digital services
- Installation of KOHA software in the college library was done. It's designed to manage library operations, including cataloguing, searching, patron management, acquisitions, and circulation.

(xiv) Visit of peer team

- **Visit of the NAAC Peer Team:** The National Assessment and Accreditation Council (NAAC) peer team visited the university on the 22nd, 23rd and 24th of April, 2024 and another team of NAAC revisited the college on May 28, 2024. The college dean welcomed the team along with faculty members and students.



NAAC Team Visit to the College for Accreditation

- **ICAR-Peer Review Team visited the college for Accreditation:** The Indian Council of Agricultural Research (ICAR) Peer Review Team (PRT) visited the college on December 23rd and 24th, 2024. The Honorable Vice-Chancellor, Dr. Bijendra Singh, the Dean of the college, and other staff members welcomed the PRT with a floral bouquet. The assessment process began with a presentation from the Dean, providing an overview of the college, followed by a presentation outlining the various SSR criteria by Dr. T. Pandiaraj, the Coordinator for ICAR accreditation. The PRT then conducted a physical verification of the college, which included visits to lecture halls, laboratories of different



ICAR-Peer Review Team visited the College for Accreditation

(xv) Publications:

a. Research articles:

S. No.	Title	NAAS ratings
1.	Kumar,V., Pandiaraj, T. and Singh, D.K. (2024). Eco -Friendly Management of Soil Nitrogen by Using Leguminous P lants: A Review. *Indian Journal of Agriculture and Allied Sciences,* 10(3), 24-31	3.99
2.	Rai, V.L., Singh, V.P. and Singh, D.K. (2024). Management of Insect -Pests of Tomato Crop in Field and Protected Structures. *Indian Journal of Agriculture and Allied Sciences,* 10(3), 32-36	3.99
3.	Rana, S.K., Kumar, M., Singh, A.K., Kushwaha, R.R., Maurya, K.K. and Prakash, G.(2024). Assessment of Growth Rate and Instability of Pearl Millet in Selected States of India. *African Journal of Biological Sciences*, 6(14), 12579-12588. (SCOPUS)	NA
4.	Kumar, M., Rana, S.K. and Menon, S.V. (2024). Statistical Modelling and Trend Analysis of Sugarcane Yield in the States of India.*Economic Affairs*, 69(3), 1199-1205.	7.00
5.	Kumar, M., Singh, G., Singh, S. and Mishra, A. (2024). Perfo rmance of the Major Pulses Crop in India: Growth And Instability. *Asian Journal of Research in Crop Science*, 9(4), 348-357.	NA
6.	Prakash, G., Kumar, M., Rana, S.K. and Gowda K.E. (2025). A Statistical Approach for Assessment of Growth Rate and Instabilit y of Wheat in Selected States of India. *Journal of Modern Applied Statistical Methods*, 24(1), 76-89. (SCOPUS)]	NA
7.	Kumar, M., Gowda K.E., S., Prakash, G.and Menon, S.V. (2025). Assessment of Trend Pattern of Rice Production in Some Rice Growing States of India. *Journal of Experimental Agriculture International*, 47(1), 582-591.	5.14
8.	Singh, G. and Kumar, M. (2025). A Statistical Approach for Analysis of Trend Pattern of Pigeon Pea in India. *Journal of Agriculture and Ecology Research International* 26(1), 1-12.	4.69
9.	Kumar, M., Singh, S., Singh, G. and Mishra, A. (2025). Temporal Instability and Growth Trends of Lentil (*Lens culinaris* L.) in India: A Period -Wise Analysis from 2000 to 2021. *Journal of Global Agriculture and Ecology*, 17(2), 9-14.	4.29
10.	Mishra, A., Kumar, M., Singh, G. and Singh, S. (2025). Empirical Analysis of the Growth Dynamics and Instability of Cotton, Jute, and Mesta in India. *Asian Journal of Advances in Agricultural Research*, 25(3), 21-28.	4.35
11.	Kumar, M., Mishra, A., Singh, G. and Singh, S. (2025). Trend Pattern Analysis of Cotton Using Linear and Non -Linear Models. *Journal of Basic and Applied Research International*, 31(2), 6-17.	4.50
12.	Singh, S., Kumar, M., Singh, G. and Mishra, A. (2025). Evaluation of Trend Dynamics of Lentil Crop in India Using Statistical Models. *Journal of Advances in Food Science & Technology*, 12(2), 1-12.	3.66
13.	Rana, S.K., Kumar, M. and Singh, G. (2025). A Computational Framework for Trend Pattern Analysis of Pearl Millet Production Using Linear and Non-Linear Models. *Bioscene*, 22(1), 88-102.	NA
14.	Kumar, V., Singh, D.K., Singh, V.K. and Kumar, V. (2024). Low Tunnels - A Tool for Crop Advancement in Vegetable Crops: A Review. *International Journal of Farm Sciences* 14(3-4), 80-85.	4.10

15.	Tiwari, A., S ingh, P., Singh, D.K, Singh, P, Yadav, P and Singh, A.K. (2024). Pattern of Marketing and Trade in Pulses: National and International Scenario. *Plant Archives*, (24), 485-492	5.59
16.	Gangwar, R., Singh, D.K. and Arya, N. (2024). Gender Mainstreaming in Agric ulture and Rural Development in India. *Progressive Research: An International Journal* . 19(1), 148-152.	4.37
17.	Yadav, P., Pandiaraj, T., Kumar, V., Singh, D.K., Pandey, S.K., Singh, A.K and Kumar,V. (2024). Precision Agriculture & Nano -Technology. *Indian Jo urnal of Agriculture and Allied Sciences*. 10(3), 99-103.	3.99
18.	Patel, S., Singh, C.P., Rahul, S.N. and Rajput, S.K.S. (2024). Forewarning Model for Mustard Aphid, *Lipaphisery simiii* (Kalt.) Through Growing Degree Days. *Journal of Entomological Research*, 48(4): 472-475.	5.63
19.	Patel, S., Rajput, S.K.S., Maurya, M.K. and Rahul, S.N. (2024). Comparative Efficacy of Different Insecticides Against Onion Thrips, *Thrips tabaci* Lind. *Journal of Entomological Research*, 48(S), 818-821.	5.63
20.	Singh, A.K. , Singh, D.K., Pandey, S.K. , Gangwar R. and Yadav, P. (2024). Demand Function of Catch Fish Consumers in Allahabad Gangetic Region, *International Journal of Agriculture and Allied Sciences* , 10(4), 19-22.	3.99
21.	Pandey, S.K. , Singh,D.K., Pandiaraj, T. (2025). Grow th and Yield Performance of Palak (*Spinaciao leracea* L.) Plant Under hydroponic Farming System for Sustainable Safe Food Production, *Agriculture Association of Textile Chemical and Critical Reviews Journal,* 13(1), 127-130.	6.00

b. Books:

S. No.	Title of books
1	Rai, V.L. and Singh, D.K. (2024). Practical Manual on Fundamentals of Entomology, Rathore Academic Research Publications, ISBN: 978-81-970975-8-4
2	Kumar, M., Prakash, G. and Mishra, A. (2024). A Practical Guide of Agricultural Statistics. Mahi Publication, Gujarat, India, ISBN: 978-93-6678-819-7.
3	Akanksha Tiwari, Piyusha Singh and D.K. Singh (2025). Principles of Seed Technology, Rathore Academic Research Publications, ISBN: 978-93-48121-81-3

COLLEGE OF HORTICULTURE & FORESTRY

Dr. Bhagwandeen, Dean

The College of Horticulture and Forestry (CHF), located at the main campus of Acharya Narendra Deva University of Agriculture and Technology (A.N.D.U.A.T.), Kumarganj, Ayodhya (U.P.), was established in 2006.

DEGREE PROGRAMMES:

Sr. No.	Name of degree programme	Department
➢	B.Sc. (Hons.) Horticulture	College of Horticulture & Forestry
➢	B.Sc. (Hons.) Forestry	
➢	M.Sc. (Horticulture) Fruit Science	Fruit Science
➢	M.Sc. (Horticulture) Vegetables Science	Vegetable Science
➢	M.Sc. (Horticulture) Floriculture & Landscaping	Floriculture & Landscaping
➢	M.Sc. (Horticulture) Post Harvest Management	Post-Harvest Management
➢	M.Sc. Silviculture & Agroforestry	Silviculture & Agroforestry
➢	Ph.D. (Horticul ture) Fruit Science	Fruit Science
➢	Ph.D. (Horticulture) Vegetables Science	Vegetable Science
➢	Ph.D. (Horticulture) Floriculture & Landscaping	Floriculture & Landscaping
➢	Ph.D. (Horticulture) Post Harvest Management	Post-Harvest Management
➢	Ph.D. Sil viculture & Agroforestry	Silviculture & Agroforestry

NEW FACULTY MEMBERS JOINED IN THE COLLEGE

Assistant Professor	Associate Professor	Professor
4	Nil	2

NEW STUDENTS ADMITTED DURING THE YEAR 2024-25

Undergraduate	Post-graduate	Ph.D.
122	72	28

TOTAL STUDENTS' STRENGTH IN UG, PG AND PH.D. PROGRAMMES

Undergraduate	Post-graduate	Ph.D.
330	136	55

NEW COURSE PROGRAMMES STARTED

From the academic session 2024–25, the College of Horticulture and Forestry (CHF) has introduced a B.Sc. (Hons.) Forestry program and commenced two Ph.D. programs in Post-Harvest Management and Floriculture and Landscaping, aiming to enhance academic and research excellence in forestry and horticultural sciences.

TEACHING ACTIVITIES: ELP/RAWE PROGRAMMES

In the academic session 2024–25, sixty-two final-year students of B.Sc. (Hons.) Horticulture participated in specialized training under the Experiential Learning Programme (ELP) in two areas: Processing of Fruits and Vegetables for Value Addition and Nursery Production and Management. Under the processing module, students gained hands-on experience in the processing technology of seasonal fruits and vegetables, focusing on the preparation of value-added products such as jam, jelly, murabba, candies, pickles, squash, syrup, and ready-to-serve (RTS) beverages for marketing and demonstration purposes. In the nursery production module, students were involved in raising nurseries of fruits, vegetables, and flowers, which were subsequently marketed. At the end of the semester, students submitted detailed work reports, and their performance was evaluated by a committee constituted by the Dean, College of Horticulture and Forestry.

The Rural Horticultural Work Experience (RHWE) programme was organized for final-year B.Sc. (Hons.) Horticulture students. A total of 62 students were registered and placed in ten villages of Ayodhya district 1-Saray Dhanei 2-Ajrauli 3- Sidhauna 4-Belkhara 5-Dhili Giridhar 6-Masedha 7- Pragash Ka Purva 8- Parsawan 9- Gokula 10-Methuara under the course RHWE-422: Student READY Placement in Villages. As part of the programme, students conducted an in-depth study of the villages, focusing on the existing agricultural practices, as well as the social, cultural, and economic conditions of the farming communities. This hands-on exposure enabled them to gain practical insights into rural life and the challenges faced by farmers, thereby bridging the gap between academic learning and field realities.



Commercial production of nursery plants and value-added products under ELP Program



Students visiting rural framers and Kisan Gosthi program during end of RHWE program

STRENGTHENING OF INFRASTRUCTURE

Three new interactive panels equipped with audio facilities were installed in undergraduate classrooms to enhance the teaching and learning process. Additionally, one interactive panel each was installed in the Department of Fruit Science and the Department of Post-Harvest Management to further support effective instructional delivery in MSc & PhD classes. The modernization of the Fruit Science and Vegetable Science laboratories has been successfully completed, with upgraded infrastructure and advanced equipment to support research, practical training, and quality education. Another new laboratory has been established in Department of Floriculture and Landscaping.



Latest ICT tools installed to support effective instructional delivery



Laboratory Department of Fruit Science



Laboratory Department of Floriculture & Landscape

Laboratory Department of Vegetable Science

Upgradation of existing lab infrastructure and establishment of new laboratory

RESEARCH ACHIEVEMENTS

- New blocks of grapefruit, sweet orange, mandarin, lime, lemon, fortunella, citrus rootstocks, dragon fruit, fig, and papaya have been established for research, training, and educational purposes. **Grapefruit**: Flame, Cutter Valencia, S-GRAPF, FOST, REBL, RARU, RIRD, FLAG, MARG; **Sweet orange**: JSO-1, JSO-2, JSO-3, JSO-4, Mosambi, Blood Red, Western, Lane late, Fisher; **Mandarin**: PAU Kinnow-1. Kinnow, Daisy, Wilking, Okiwas, Mudman, Khaman, Nagpur Mandarin, W. Murcott, DRAGMAN, OVAMAN, RURD, Willow, Cooman,



Kinnow Fig



Dragon Fruit

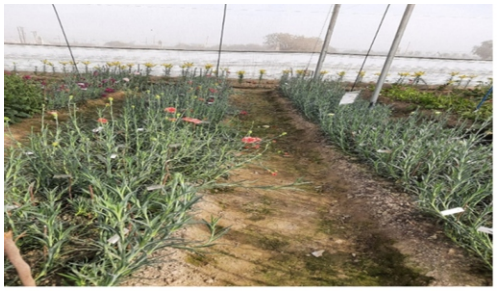
Fremont, Fewtre, Tample, Michel; **Lime**: Kagzi, NRCC-4, Acid Lime, NRCC-7, Phule Sharbati, Sai Sharbati, PKM-1, Jaidevi, Vikram, Parmalini, PDKV Brahmi, RL-1 Barapani, Balaji; **Lemon**: Baramasi, Pant lemon; **Fortunella:** Kumquat; **Rootstock**: Rough lemon, Rangpur lime, Gou Tou, Carrizo citrnage, Swingle citrumelo, Kuhr, Troyer citrnage, SOOR-4, Kinkoji, X-639, Cleoptera, RI-16-J, U-852, Volkameriana, NRCC-4, NRCC-3, NRCC-1, LIAR, Pectinifera, Rubidoux, NRCC-5, Alemow, Adajamir **Dragon Fruit**: Red Fleshed, White Fleshed, Dragon White, Dragon Red, Sabour (Kishanganj Selection 1), IIHR (White), Jumbo red, Sian red, Israelly yellow, Regular red, White flesh **Fig:** Poona, Excel, Diana, Dinkar, 6 genotypes from Turkey **Papaya**: Arka Prabhat, Red Lady, Sinta, Pusa Nanha, Pusa Delcious, Pusa Peet

- A potential new mutant line of chrysanthemum has been identified. Mutagenesis of the chrysanthemum variety *Little Pink* using EMS and sodium azide resulted in the development of a novel mutant line. The mutant exhibited a reduced plant height (40 cm), an increased flower count (138 flowers per plant), pink flower colour, spoon-shaped flower form, and an early flowering response (80 days).



Little Pink Identified Mutant

Flowers crops like carnation, Baboona/ Bijli, China aster, Lilium were introduced in the university for research and education purpose.



Carnation



Baboona/ Bijli



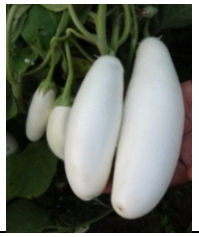
China aster



Lilium

VARIETIES

Name (OP/F_1)	**Release/Notification Year/No./Date/IC No.**	**Salient Features**
Narendra Kamna NDBG-16 **(OP)** 	**S.O. 4917(E)** (CVRC) 13.11.2024 IC0624415	Fruits are light green, 35 -40 cm length with a fruit girth of 21 -25 cm, attractive, cylindrical. First picking in about 55 -60 days after sowing, tolerant to downy mildew. Average yield is about 300 q/ ha. Recommended for cultivation in Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Karnataka, Tamil Nadu & Kerala.
Narendra Sita NDBGH-14-10 **(F_1)** 	**S.O. 4917(E)** (CVRC) 13.11.2024	Attractive, cylindrical without neck which is suitable for market demand. First picking after 54 days after sowing, tolerant to downy mildew and fruit fly. Average yield of about 310 q/ha. Recommended for cultivation in Uttar Pradesh, Punjab and Bihar.

Narendra Suyog Narendra White Brinjal-1 (OP) 	**S.O. 4917(E)** (CVRC) 13.11.2024 IC0642414	Fruits are white, oblong with cluster bearing, field tolerance to shoot and fruit borer resistant. Average fruit yield is 320 q/ha. Resealed for cultivation in U.P., Bihar, Punjab and Jharkhand
Narendra Haldi-4 (NDH-11)  **(OP)**	**S.O. 4917 (E)** (SVRC) 13.11.2024	Cultivated during May -June with the spacing of 30 x 25 cm. It can provide the rhizome yield of 345-350 q/ha. It has high curcumin content (6.60 -6.67%) and moderately resistant against foliar diseases. Recommended for cultivation in Uttar Pradesh.
Narendra Aonla-25 	**S.O. 4917(E)** (CVRC) 13.11.2024	Average fruit yield/plant is 34.73 kg/plant, fruit weight 52.76g , fruit size 4.18 cm x 4.41 cm, stone sh ape-round and size - small, total number of seed 06, segments-6, TSS pulp 11.500Brix, acidity (0.89%) and vitamin C-545.93 mg / 100 g pulp.
Narendra Aonla-26 	**S.O. 4917(E)** (CVRC) 13.11.2024	Average fruit yield/plant is 55.56 kg, fruit weight 45.68g , fruit size 3.93 cm x 4.15 cm, total number of seed 06, segments-6, TSS pulp 10.850Brix, acidity (1.10%) and vitamin C 483.68 mg / 100 g pulp.

Narendra Bael-8 	**S.O. 4917(E)** (CVRC) 13.11.2024	Fruit yield (kg)/plant is 108.89kg, fruit weight 1.23 kg, 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%) a nd vitamin C 19.91 mg/100g pulp, very less fibre content, pulp colour-pale yellow, pulp taste-sweet
Narendra Bael-10 	**S.O. 4917(E)** (CVRC) 13.11.2024	Average fruit yield/plant is 104.34 kg, fruit weight 1.87 kg, fruit size 26.51 cm x 25.02 cm, shell thickness 2.49 mm, total number of seed 80-110, locules in cross section 11-12, TSS pulp 30.890B, acidity (0.40%) and vitamin C 21.81 mg/100g pulp, pulp colour-pale yellow, pulp taste-sweet were recorded.
Narendra Bael-11 	**S.O. 4917(E)** (CVRC) 13.11.2024	Fruit shape- elliptical, average yield/plant is 99.60 kg, fruit weight 1.87 kg, fruit size 26.00 cm x 24.68 cm, shell thickness 2.62 mm, locules in scattered section 12-14, Pulp colour- whitish yellow, Mucilage very less, Number of seeds 90-103, TSS pulp 33.98 (0Brix), acidity (0.36%) and vitamin C 35.15 mg / 100 g pulp were recorded

TECHNOLOGIES DEVELOPED

1. Priming turmeric seed rhizomes with Trichoprime @ 5% prior to storage is recommended for improving the vigour of rhizome buds, enhancing sprouting, and protecting seed rhizomes from fungal pathogens during storage, resulting in a yield increase of 5.51% compared to chemical treatment, and ensuring uniform tiller emergence while preventing the growth of storage rot pathogens (In Proceedings of XXXV AGM of ICAR-AICRP on Spices on 15 October – 17 October 2024 at CCSHAU, Hisar, Haryana).
2. Four training systems in guava, namely Tall Spindle, Vertical Axis, Open Center Leader, and Tatura Trellis, were standardized at a plant spacing of 3.0 m × 1.5 m. The cultivar **Lalit,** under Tall Spindle and Open Center systems, recorded yield of 700–800 q/ha in four-year-old trees, which is seven to eight times higher than traditional cultivation methods.
3. Guava trees produce fruit twice a year during the rainy and winter seasons under North Indian conditions. This technology has enabled year-round guava production through the standardization of pruning intensity, making it possible to harvest fruits any time.

(A) High density planting of guava under different training system (B) Standardization of pruning intensity in guava.

PATENTS

1. Design Patent granted on *Automated Fruit Harvesting Drone Using Artificial Intelligence* to Dr. Rajni Rajan, Dr. Kuldeep Pandey, Dr. Jagveer Singh, Dr. Ajay Tripathi, Dr. D.K. Upadhyay, Dr. Pragya Pandey, Dr. Aastik Jha, Mr. Divyansh Mishra, Mr. Avdhesh Kumar, and Mr. Prabhat Kumar (2025); (Desigen No. 423157-001).
2. Design Patent (No. 442685-001, dated 27.03.2025) granted on *Battery-Powered Whitefly Light Trap* to Dr. Narendra Kumar, Dr. Manoj Kumar Maurya, Dr. Mahendra Kumar Bele, Dr. Pradeep Kumar Dalal, Er. Gaurav Gurjar, Er. Satyanarayan Dube, and Dr. Sachin Sharma
3. Design Patent (No. 444283-001, dated 25.03.2025) granted on *Farmer Advisory Assistant AI Device* to Dr. Juri Das, Dr. Mandeep Rawat, Dr. Subedar Singh, Dr. Sriman Kumar Patel, Dr. Manoj Kumar Maurya, Dr. Abhimanu Chaturvedi, Mr. Vishal Yadav, and Dr. Sulekha.
4. Design Patent (No. 429006-001, 2024) granted on *Plant Canopy Temperature Monitoring Device* to R. Singh, A. Singh, Sanjeev Singh, A. Singh, S. Kumar, S. Kumar, S. Kumar, and U. Singh
5. Design Patent (No. 456662-001, 2024) granted on *Soil Structure Device* to A. Singh, A. Kumar, K.A. Pandey, Sanjeev Singh, B. Yadav, M. Kumar, and R.P. Singh

RESEARCH PROJECT UNDER OPERATIONS

i. Model floriculture unit for year around production (SADP) by UP Govt.

ii. Determination of bird assemblages and associated habitat characteristics in protected and unprotected wetlands of eastern Uttar Pradesh by UPCST

iii. Biodiversity assessment of Kaimoor Wildlife Sanctuary, Mirzapur, eastern Uttar Pradesh by Kaimoor Wildlife Division

iv. Determining the factors affecting the breeding success of Vultures in selected areas under Kaimoor Wildlife Division, Mirzapur, eastern Uttar Pradesh by Kaimoor Wildlife Division

v. All India coordinated research project on medicinal, aromatic plants and beetle vine.

vi. All India coordinated research project on arid zone fruits

vii. All India coordinated research project on agroforestry

viii. All India coordinated research project on potato

ix. All India coordinated research project on spices

x. All India coordinated research project on vegetable crops

xi. Mission for Integrated Development of Horticulture

RESEARCH PROJECT SUBMITTED

Sr. No.	Title of Project	Principal Investigator	Period	Funding Agency	Am ount (Rs. in Lakhs)
1.	Standardization of Canopy Management Practices for High - Density Guava Trees	Dr. Niranjan Singh	Three Years	UPCST	**38.86**
2.	Development of Innovative Training and Pruning Techniques for Managing Tree Canopy in High - Density Guava P lantations	Dr. Niranjan Singh	Three Years	UPCAR	**43.41**
3.	Survey, Identification and Conservation of Elite Jackfruit (*Artocarpus heterophyllus* Lam.) Genotype of Eastern Uttar Pradesh	Dr. Atul Yadav	Three Years	UPCST	**22.00**
4.	Understanding Molecular and Biochemical Pathways to Mitigate Fruit Dropping and Cracking in Bael	Dr. Jagveer Singh	Three Years	UPCAR	**38.19**
5.	Assessment of Diversity and Establishing a Field Gene Bank of Wood Apple (*Limonia acidissima* L.)	Dr. Kuldeep Pandey	Three Years	UPCST	**22.39**
6.	Conservation and Commercialization of Underutilized Paniyala [*Flacourtia jangomas* Lour. Raeusch] to diversify the Fruit Production	Dr. Kuldeep Pandey	Three Years	DST	**49.65**
7.	Exploring the climate smart agronomic management practices to coordinate the productivity, recourse use efficiency and carbon footprint in rice -wheat system	Dr. Sanjeev Singh	Three Years	UPCAR	**39.80**
8.	Innovative Approaches for virus - free seed tuber production in priority potato varieties	Dr. Ashish Kumar Singh	Three Years	UPCAR	**29.56**
9.	Development of novel bio - formulation of Trichoderma spp. For disease management in vegetable crops	Dr. Manoj Kumar Maurya	Three Years	Anusandhan National Research Foundation (ANRF)	**51.64**
10.	Harnessing of native Trichoderma strains for integrated disease management in tomato cultivation of eastern Uttar Pradesh	Dr. Manoj Kumar Maurya	Three Years	UPCST	**19.46**

11.	Optimizing and evolving strategies to sustain western honey bee *Apis mellifera* L. under hot and floral dearth conditions	Dr. Pradeep Kuma r Dalal	Three Years	Anusandhan National Research Foundation (ANRF)	**55.30**
12.	Development of integrated pest and pollination management protocol for yield enhancement of okra crop in Eastern Uttar Pradesh.	Dr. Pradeep Kumar Dalal	Three Years	UPCST	**55.30**

STUDENTS' PLACEMENTS: Total 0**8** students have been placed in various public and private organizations during 2024-25.

TRAINING PROGRAMMES/WORKSHOPS/CONFERENCES ORGANIZED

S. No.	Training/Workshop/conference organized	Funding agency	Duration	Year
1.	बेल एवं आवंला की उन्नत उत्पादन तकनीकी	ATMA, Govt of Bihar	01-08-2024 to 05-08-2024	2024
2.	Aromatic and Seed Spices Cultivation for Livelihood Security and Sustainble Development	MIDH	28-03-2025 to 29-03-2025	2025
3.	Advances in Production Technology of Aromatic and Seed Spices	MIDH	8-10-2024	2024
4.	Advances in Production Technology of Aromatic and Seed Spices	MIDH	16-10-2024	2024
5.	Advances in Production Technology of Aromatic and Seed Spices	MIDH	18-10-2025	2024

TRAINING PROGRAMMES/ WORKSHOPS/ CONFERENCES ATTENDED

1. Dr. Jagveer Singh attended winter school training programme on Advanced Breeding Strategies for Developing Stress Tolerance in Plants, 04-02-2025 to 24-02-2025 at PAU, Ludhiana
2. Dr. Kuldeep Pandey attended winter school training programme on Smart agriculture and way forward; New age technologies for management of salt affected agro-ecologies from 20-2025 to 12-03-2025 at ICAR-CSSRI, Karnal, Haryana.
3. Dr. D. K. Upadhyay attended seven days training on "*Big Data Analysis for Agriculture Research*" at Department of agriculture, 360 Research Foundation during 01-07 July, 2024.
4. Dr. D. K. Upadhyay attended 18 Days Patent Agent Professional Training: course organized by Turnip Innovation, Kolkata during 29 July to 15 August, 2024.
5. Dr. D. K. Upadhyay attended 21 days training on "*Breeding Vegetable crops for Climate Resilience*" at Department of Vegetable

Science, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan (HP) during 05-25 February, 2025.

6. Dr. D. K. Upadhyay attended 30 days training on "Novel approaches in agriculture System" Hindustan Krishi Anusandhan Bhawan, Moradabad (UP) during 01-31 March, 2025.

7. Dr. P. K. Dalal attnded 21-Day ICAR sponsored advanced training course on "Pest Management Interventions in Changing Climatic Scenario for Sustainable Agriculture" organized by Center for Advanced Faculty Training, Department of Entomology, CCS Haryana Agricultural University, Hisar from 5th to 25th February 2025.

8. Dr. Ashish Kumar Singh atttended 21 days training on "Breeding Vegetable crops for Climate Resilience" at Department of Vegetable Science, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan (HP) during 05-25 February, 2025.

9. Dr. Manoj Kumar Maurya attended 21 days ICAR Sponsored winter school training on "Innovative Approaches for the biotic stress management of Vegetable Crops" organized by ICAR – IIVR Varanasi during 18th Feb- 10th March, 2025.

10. Dr. Anil Kumar attnded Participation on 30 days International Agriculture Winter School Cum Training Program on "Novel Approaches in Agricultural Systems" held on Date:1-30March 2025.

11. Dr. D. K. Upadhyay participated in three days International Conference on *'Advancements in Basic Science, Environmental studies and Traditional Medicine for Traditional Drug Recovery and Development (TMT3D-2024)'* at BHU, Varanasi during 21-23 Nov., 2024.

12. Dr. D. K. Upadhyay participated in Three days Second National Genetic Congress '*Genetic and Genomics for a Better Future: Microbes to man'* at ICAR-Indian Agricultural Research Institute, New Delhi during 11-13 Dec., 2024.

13. Dr. D. K. Upadhyay participated in Seminar on "*BioVision 2025: Innovation & Applications in Biotechnology"* at East Champaran, Bihar during 21-23 March, 2025.

14. Dr. P. K. Dalal participate in 3-day international conference of advancements in basic science, environmental studies and traditional medicine for translational drug discovery and development*"* held at Banaras Hindu University during 21-23 November, 2024.

15. Dr. P. K. Dalal participate in 3-day National Symposium on "Harnessing Potato Innovations, Diversity for food and Nutritional Security" held at ICAR-CPRI RS, Modipurum, Meerut during 27-29 January, 2025.

16. Dr. Pradip Kumar participated in National Symposium on Spices and Aromatic Crops–Strategies for Smart Production, Product Diversification and Utilization (SYMSAC-XI). Organised by Indian Society for Spices, Kozhikode, Kerala, ICAR- Indian Institute of Spices Research, Kozhikode, Kerala on 07-09 January, 2025.

17. Dr. Pradip Kumar participated in 35thAnnual Group Meeting of ICAR- All India Coordinated Research Project on Spices on 15 October – 17 October 2024 at Choudhary Charan Singh Haryana Agricultural University, Hisar, Haryana

18. Dr. Ashish Kumar Singh participated in 42nd Annual Group Meeting of AICRP on potato during 22-24 September, 2024 at ANDUAT, Ayodhya

19. Dr. Ashish Kumar Singh participated in District level workshop horticultural crops held on 25 October, 2024 at Gandhi Auditorium, Divisional Commissioner Office, Ayodhya

20. Dr. Manoj Kumar Maurya participated in International Conference on 'Advancements in Basic Science, Environmental studies and Traditional Medicine for Traditional Drug Recovery and Development (TMT3D-2024)' organized by National Environmental Science Academy (NESA), New Delhi, held at BHU Varanasi during 21-23 November, 2024

21. Dr. Manoj Kumar Maurya participated in National Symposium on "Harnessing Potato Innovation, Diversity for Food and Nutritional Security" organized by ICAR-Central Potato Research Institute R.S. Modipuram Meerut, UP. During 27-29 January, 2025

22. Dr. Anil Kumar participated in International conference on "Agriculture and Allied Science Recent Advances & Innovative Approaches for Climate Smart Agriculture" held on Date:25-26 November 2024, at Banaras Hindu University, Varanasi-221005.

AWARDS TO COLLEGE/FACULTY

S. No.	Name of teachers/scientists	Name of Award	Awarding agency	Date of award
1.	Dr C.N. Ram	Best Poster Presentation	CPRI, RS Modipuram, Meerut Uttar Pradesh, organized by ICAR - CPRI Shimla.	29 January, 2025
2.	Dr. D. K. Upadhyay	NESA Distinguish Scientist Award	National Environmental Science Academy, New Delhi	23 November, 2024
3.	Dr. Manoj Kumar Maurya	Young Scientist Award	National Environmental Science Academy, New Delhi	23 November, 2024
4.	Dr. Pradeep Kumar Dalal	Young Scientist Award	National Environmental Science Academy, New Delhi	23 November, 2024
5.	Dr. Kuldeep Pandey	Dr. Rajendra Prasad Budding Scientist Award	Indian Society of Horticultural Research and Development (ISHRD)	19 October, 2024
6.	Dr. Aastik Jha	Best Teacher of the College Award -2023 - 2024	A.N.D.U.A.T., Kumarganj, Ayodhya	05 September, 2024.
7.	Dr. Aastik Jha	Best Teacher of the University Award 2023 -2024	A.N.D.U.A.T., Kumarganj, Ayodhya	05 September, 2024.
8.	Dr. D. K. Upadhyay	Inspiring Educator Award 2024	International STEM & Robotics Championship	05 September, 2024
9.	Dr. D. K. Upadhyay	Best Teacher Award	Samagra Vikas Evam Paryavaran Sanrakshan Samiti, Prayagraj, UP	08 September, 2024.

EXTENSION ACTIVITIES

Radio Talk

S. No.	Name of Scientist	Topic	Date	Channel
1.	Dr. Kuldeep Pandey	फल वृक्षों मे समसामियक कार्य	17-04-2025	Prasar Bharti, Akashvani, Ayodhya
2.	Dr. Kuldeep Pandey	फलदार वृक्षों का प्रबंधन	14-10-2024	Prasar Bharti, Akashvani, Ayodhya
3.	Dr. Kuldeep Pandey	फल वृक्षों मे समसामियक कार्य	07-05-2024	Prasar Bharti, Akashvani, Ayodhya
4.	Dr Jagveer Singh	ड्रैगनफ्रूट की खेती कर कमाए लाभ	01-04-2025	Prasar Bharti, Akashvani, Ayodhya
5.	Dr Jagveer Singh	नींबू वर्गीय फसलों की अच्छी पैदावार कैसे ले	02-09-2025	Prasar Bharti, Akashvani, Ayodhya

PUBLICATIONS

a. Research articles:

S. No. Title

1. Gaikwad, P. N., Sidhu, G. S., Brar, N. S., Singh, J., Tokala, V. Y., Sharma, A., & Manchanda, P. (2025). Roles of metabolites in fruit maturation, HLB-defense regulation and crosstalk between phytohormone signalling pathways in citrus. *Plant Growth Regulation*, 1-35.

2. Singh Sidhu, G., Kumar, D., Sharma, V., Singh, J., & Kumar Malhotra, P. (2024). An Efficient Protocol for Direct in vitro Regeneration in 'Daisy'and 'W. Murcott': Commercially Important Mandarins. *Applied Fruit Science*, *66*(4), 1619-1629.

3. Rodge, R. R., Rajan, R., Pandey, K., Kaur, H., Jabroot, K., Chaudhuri, M., & Karadak, S. M. (2025). Optimization of gamma irradiation doses (60Co) for mutagenesis in strawberry (Fragaria× annanasa Duch) cv. Winter Dawn.

4. Poojan, S., Dwivedi, S. K., Pandey, D., Singh, S. K., Siddiqui, S., Pandey, H., Singh J., Pandey, K., & Rajan, R. (2025). Physiological characterization of bael genotypes of sub-tropical region of India for cold hardiness and fruit quality. *Genetic Resources and Crop Evolution*, *72*(4), 4089-4105.

5. Rodge, R. R., Rajan, R., Kaur, H., Khan, J., & Pandey, K. (2024). Standardization of EMS doses for mutagenesis in strawberry (Fragaria× ananassa duch) cv. winter dawn. *Electronic Journal of Plant Breeding*, *15*(3), 752-757.

6. Poojan, S., Dwivedi, S. K., Pandey, D., Singh, A., Siddiqui, S., & Pandey, K. (2024). Nutraceutical Profiling and Plant-Based Products of Bael for Human Health. *Applied Fruit Science*, *66*(4), 1697-1706.

7. Kumar, A., Rajan, R., Pandey, K., Ramprasad, R. R., Kaur, G., Vamshi, T., & Singh, T. (2024). Impact of new generation plant growth regulators on fruit crops–A Review. Horticultural Science, 51(1), 1-22.

8. Rajbhar, R., Ram, C. N., Prasad, L., Kumar, R., Kumar, V., and Yadav, L. 2024. Evaluation of growth, yield, and biochemical attributes of bitter gourd (Momordica charantia L.). Int. J. Adv. Biochem. Res. https://doi.org/10.33545/26174693.2024.v8.i6h.1394

9. Rajbhar, R., Ram, C. N., Kumar, A., Jha, A., Singh, A. K., and Vipin. 2024. Studies on heritability (narrow sense) and genetic advance analysis for growth, fruit yield and its component traits in bitter gourd

(Momordica charantia L.). Afr. J. Biol. Sci., 6(5), 10093–10099. https://doi.org/10.48047/AFJBS.6.5.2024.10093-10099

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b. Books

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2. Ram, C.N.; Dalal, P.K.; Maurya, M.K.; Singh, Sanjeev; Upadhyay, D.K.; Jha, Aastik; Kumar, Anil; Singh, A.K.; Yadav, Lokesh and Tiwari, Chandroday Prakash (2024). Advance Production Technology of Potato. *Abhiram Prakashan, Lucknow*. ISBN- 978-93-93453-72-3
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10. Singh, Kumar Ashwani and Jha, Aastik. 2025. Protected Cultivation of Vegetable Crops. *P.K. Publishers and Distributors*, New Delhi. ISBN-978-81-19428-48-9
11. Nithyanandam, Rumugam; Arora, Sagar; Chandravanshi, Ramprakash; Upadhyay, D. K. and Kumar, Manish (2025). Breeding of Vegetable, Tuber, and Spice Crops. *String Production, Roorkee.* ISBN: 978-93-6048-753-9.
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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 comprises of seventeen departments including one instructional livestock farm complex (dairy farm) and one Veterinary Clinical Complex (Veterinary Polyclinic).

i. New Faculty Added:

Assistant Professor	Associate Professor	Professor
4	4	-

ii. New Students Admitted During The Year 2024-25

UG	PG	Ph.D.
68	38	05

iii. Total Students' Strength In UG, PG And Ph.D. Programmes During The Year 2024-25 (as On 31st March)

BVSc First Year	BVSc Second Year	BVSc Third Year	BVSc Fourth Year	BVSc Fifth Year	MVSc	PhD
80	57	66	72	50	69	20

iv. TEACHING ACTIVITIES:

a. Teaching Veterinary Clinical Complex (TVCC): Clinical Cases and Revenue generated

During last one year, **treatment of 7169 animals** brought by farmers from different district of central and eastern UP, were performed at Veterinary Clinical Complex. Total revenue generated was **Rs. 512170.00 (Rs. Five Lakh Twelve Thousand One Hundred Seventy only)** through consultation fee charged during last one year.

Number of Animals Treated at Different Units of Veterinary Clinical Complex

Gynaecology	Medicine	Surgery	Sample Testing	Total
1446	2491	2076	1156	**7169**

Revenue generated (INR) by Different Units of Veterinary Clinical Complex

Gynaecology	Medicine	Surgery	Sample Testing	Total
19840	136030	117260	239040	512170

b. Livestock Farm Complex :

Units maintained at department of livestock farm complex

S. No.	Species	Breed	Number
1.	Buffalo	Murrah	53
2.	Cattle	Sahiwal, Tharparkar & H.F. Cross	136
3.	Goat & Sheep	Barbari, Sirohi & Muzzafarnagari	106
5.	Pig	Large White Yorkshire	20
6.	Poultry	RIR & Kadaknath	1760

Revenue generated

Total receipt generated Rs. 25,37,097.00 (Rupees twenty-five lakh thirty seven thousand ninety seven only) by Livestock Farm Complex department through sale of various items like milk coupon, livestock and FYM etc.

v. Research

a. Research projects (ongoing):

Name of project	Name of PI /Co-PI	Funding agency	Budget (Rs in lakh)
Detection of status of acaricide resistance, their mitigation with ethno -botanicals and managemental practices for control of ticks and ticks borne diseases in eastern Uttar Pradesh	Dr. Amit Singh (PI) Dr. V.K. Pal (Co-PI)	UPCAR, Lucknow	23.66
Network project on Animal Genetic Resources	Dr. Jaswant Singh (PI) Dr. Manoj verma (Co-PI)	ICAR-NBAGR, Karnal	10.50
FMD collaborating center under NAHDCP programme of GOI	Dr. R. K. Joshi (PI) Dr. Namita Joshi (Co-PI) Dr. Vibha Yadav (Co-PI)	ICAR-National Institute of Foot and Mouth Disease, Bhubaneswar	As per demand

b. Patents

One patent of **registration of design for** MICROFACTURE DETECTING AI- DEVICE **(design No.431813-001 dated 26/09/2024)** is obtained in the name of Dr. Vipin Kumar Yadav, Dr. Anil Kumar Gangwar,Dr. Sangeeta Devi Khangembam,Dr. Yogendra Singh,Dr. Prafull Kumar Singh and Dr. Surendra Pratap Chakravarty.

vi. EXTENSION ACTIVITIES

a. College stall : College of Veterinary Science & Animal Husbandry organized a stall on 48th All India Vice Chancellor Convention held on 13-14 Feb 2025, at ANDUAT, Kumarganj, Ayodhya.



College stall in All India Vice Chancellor Convention

b. Health and infertility camp

Name of the program and the place	Name of Faculty	Date	No. of Participants
Pandit Deen Dayal Upadhyay Mandaliya Virat Pashu Arogya Shivir/Mela, organized by State Animal Husbandry Department at Haraiya, Basti	Rama Kant Sachin Gautam	09.02.2025	>1000
Deen Dayal Upadhayay Pashu Mela Baldiray Block, Sultanpur.	A.K.Verma K.D.Singh	17.10.2024	>140
Vaccination and Deworming Camp	S.V. Singh	26.04.2025	26 dogs
Vaccination Camp on the occasion of World Veterinary Day	Sonu Jaiswal Anil Kumar Singh Alok Kumar Singh	28.09.2024	15 dogs





Vaccination Camp on the occasion of World Rabies Day

c. Radio/TV talks delivered:

1 Dr Sonu Jaiswal delivered a Radio talk on "Sardio Ke Mausam Me Pashuon Ki Ke dekhbhal" on AIR, Ayodhya on 07.11.2024.

2 Dr Sonu Jaiswal delivered a Radio talk on "Pashu badhyakaran se hone wale labh" on AIR, Ayodhya on 27.03.2025.

3 Dr. Dharmesh Tewari delivered a Radio talk on "Pashuo ke liye sanyulit aahar" on AIR, Ayodhya on 12.04.2024

4 Dr. Dharmesh Tewari delivered a Radio talk on "Hare chare ko sanrakshit karne ki vidhi evam upyogita" on AIR, Ayodhya on 10.09.2024

5 Dr. Dharmesh Tewari delivered a Radio talk on "Jade mei utpann hone wale hare chare ka sanrakshan" on AIR, Ayodhya on 02.12.2024

6 Dr. Dharmesh Tewari delivered a Radio talk on "Garmi ke Mausam mei doodharu pashuo ka prabandhan" on AIR, Ayodhya on 24.04.2025

7 Dr. Rama Kant delivered a Radio talk on "दुधारू पशुओ में मिल्क फीवर रोग के लक्षण, उपचार एवं बचाव" on AIR, Ayodhya on 23.08.2024.

8 Dr. Rama Kant delivered a Radio talk on "पशुओ में त्वचा सम्बन्धी रोग: कारण, लक्षण एवं बचाव" on AIR, Ayodhya on 25.11.2024.

9 Dr. Rama Kant delivered a Radio talk on "पशुओ में खुरपका एवं मुँहपका रोग के लक्षण, निदान एवं उपाय" on AIR, Ayodhya on 09.12.2024.

10 Dr. Rama Kant delivered a Radio talk on "पशुओ में श्वश्न सम्बन्धी समस्यायें : कारण एवं निवारण" on AIR, Ayodhya on 01.05.2025.

11 Dr.V.K. Pal delivered a Radio talk on "Surra rog lakshan, nidaan evum upchar paltu pashuon me"at Prasar Nideshalaya, ANDUAT, Kumarganj on 23.08.2024.

12 Dr. A.K. Verma delivered a Radio talk on topic "Care and management of sheep and goat in winter" on dated 03.01.2025 at AIR, Ayodhya.

13 Dr. A.K. Verma delivered a Radio talk on topic "Sheep and Goat Farming" on dated 15.07.2024 at AIR, Ayodhya.

14 Dr. K.D. Singh delivered a Radio Talk on topic "Winter Management of Poultry Birds" on dated 09.12.2024 at AIR, Ayodhya.

15 Dr Rajesh Verma delivered a TV Talk on " Rakt parjeevi se hone wale rog, upchar evam roktham" at DD Kisan, Lucknow on dated 11.09.2024.

16 Dr.V.K.Pal delivered a T.V. talk on "Theileriosis Disease in dairy Cattle" at APC DD Kisan on 19.01.2025

vii. TRAINING PROGRAMME ORGANIZED

- **Farmer's training**

Department of Veterinary Clinical Complex was involved in organization and delivered lectures on different topics in 3 days training on 'Cattle Health Management' from 27th to 29th November 2024, sponsored by PGSS, Gorakhpur and trained 20 Farmers.



Farmers' Training

- **Equine Management Training**

Three days training on "An introduction to equine welfare behaviour, compassionate handling and farriery" from 4/03/2025 to 6/03/2025 in collaboration with Brooke India.



Equine Management Training

- **MAITRI Training**

Department of Veterinary Gynaecology & Obstetrics organized 4 MAITRI (Multipurpose Artificial Insemination Techniciansin Rural India) trainings in the financial year 2024-25 in which a total of 133 trainees from different districts of Uttar Pradesh were trained. The trainings were organized by the VGO department of CVSc.& A..H in collaboration with Uttar Pradesh Livestock Development Board under National Programme for Bovine Breeding component of scheme National Programme for Bovine Breeding and Dairy Development (NPBBDD). Various dates of the said trainings are as:

The objective of the training was to generate self-employment among rural educated youth by providing doorstep Artificial Insemination (AI) facility to farmers with sorted as well as conventional semen, primary aid to animals, vaccination of livestock and digital records of feeding .



Participants in MAITRI training

S.No.	Date (From)	Date (to)	No. of participants
1.	14/10/2024	12/11/2024	30
2.	16/12/2024	14/01/2025	35
3.	04/02/2025	05/03/2025	34
4.	25/03/2025	23/04/2025	34

viii. Workshop/Conference organized:

Department of Veterinary Medicine, C.V.Sc. & A.H., A.N.D. U.A. & T. Kumarganj-224229, Ayodhya (U.P.) in collaboration with Neogen organized Workshop on "Farm Biosecurity" on 26/03/2025. Dr Biswajith from Neogen gave a brief presentation on farm biosecurity. The students who have brought laurels to the college were felicitated with certificates by Hon'ble Vice Chancellor sir, the chief guest of the program.



Workshop on Farm Biosecurity

ix. TRAINING /SUMMER SCHOOL/ WINTER SCHOOL/ SEMINAR/ SYMPOSIA/ CONFERENCE, ETC. ATTENDED BY FACULTY FROM APRIL 2024 TO MARCH 2025.

1. Dr. D.Niyogi , Professor & Head, Department of Veterinary Pathology participated in the one day Workshop on " Youth, Engagement and Strategy (Y.E.S.) for Elemination of Lymphatic Filariasis (E.L.F.)" organised by Ministry of Health and Family Welfare, Govt. of India on 31st January, 2025 at Hotel Savvy Grand, Lucknow, U.P.
2. Dr. D.Niyogi , Professor & Head, Department of Veterinary Pathology participated in Veterinary Pathology Congress -2024, 41st Annual Conference of IAVP and 15th Annual Meeting of ICVP and National Symposium on "Exploring Veterinary Pathology and Diagnostic Innovations in Animal and Poultry Diseases amidst Climate Challenges" held at Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu, UT of J & K, India from 28-30 November, 2024.
3. Dr. Vibha Yadav, Associate Professor , Department of Veterinary Pathology participated in National Conference of Indian Association for Women Veterinarian conference from 13th November 2024-14th November 2024 on the topic "Role of women veterinarian for Viksit Bharat" organized by U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura (U.P.).
4. Dr. Pankaj Maurya, Associate Professor , Department of Veterinary Physiology participated in XXII Annual Conference and International Symposium of Society of Animal Physiologist of India on "Advances in Physiological Research in Omic Era for Sustainable Animal Production and Livelihood Security under Changing Climatic Scenario" from Nov 27-29, 2024 organized by ICAR-CIRC.
5. Dr. Asha Kumari Verma , Assistant Professor , Department of Veterinary Public Health participated in Indian Association for Women Veterinarian conference from 13th November 2024-14th November 2024 on the topic "Role of women veterinarian for Viksit Bharat" organized by U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura (U.P.).
6. Dr. Ramakant , Assistant Professor , Department of Veterinary Medicine participated in In 5th Annual Convention of Veterinary Internal and Preventive Society & International Symposium on " Headway in Veterinary Medicine: Improving Animal Health and Productivity with Respect to Antimicrobial Resistance' on November 22nd - 23rd, 2024. Jointly organized by Department of Veterinary Medicine, College of Veterinary &

Animal Sciences, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110 (U.P.) & Veterinary Internal and Preventive Society.

7. Dr. Ramakant, Assistant Professor, Department of Veterinary Medicine participated in online Training Programme on Course Production and Management for MOOCs, organized by ICAR-National Academy of Agricultural Research Management Rajendranagar, Hyderabad during 20-24 January, 2025.

8. Dr. Ajeet Verma, Assistant Professor, Department of Livestock Farm Complex participated in National Conference on "Precision Livestock Management Technology towards Strengthening Farming Efficiency and Animal Welfare organized by Department of Animal Production, Rajasthan College of Agriculture , MPUAT, Udaipur from 26-28 February 2025.

9. Dr.V.K.Pal, Associate Professor , Department of Veterinary Parasitology participated in the National Symposium cum Alumni meet 2024 on "Futuristic Approaches for Animal Health, Management and Welfare: Challenges and Opportunities" Organized by C.V. Sc. &A. H., Birsa Agricultural University, Ranchi Jharkhand on Nov., 29- 30, 2024.

10. Dr. Rajesh Kumar, Department of Veterinary Gynaecology & Obstetrics participated in XI Annual Convention and National Conference of Society for Veterinary Sciences and Biotechnology (SVSBT) on "Biotechnological Innovation to Augment Health and Productivity of Livestock and Poultry for sustainable Livelihood," organized by Sri. Venkateswara Veterinary University , Andhra Pradesh from 23-25 October 2024.

11. Dr. Dharmesh Tewari, Assistant Professor, Department of Animal Nutrition participated in World Animal Nutrition Conference on, Newer Vistas to Animal Nutrition Research Towards Climate Resilient Animal Production for Livelihood ,Food and Nutritional Security" held at Nagpur Veterinary College , Maharashtra Animal and Fishery Sciences University ,Nagpur from 20-22 January, 2025.

12. Dr. Amit Singh, Professor & Head, Department of Veterinary Parasitology participated in the 33rd National Congress of Veterinary Parasitology and National Symposium organized by the Department of Veterinary Parasitology, College of Veterinary Science, Rajendra Nagar, Hyderabad from 17th to 19thDecember, 2024.

13. Dr. Manoj Kumar Verma , Associate Professor , Department of Animal Genetics and Breeding participated in XVII Annual Convention of Indian Society of Animal genetics and Breeding held at Bihar Animal Sciences University during 21-22 November ,2024.

14. Dr. R.K.Verma, Assistant Professor, Department of Livestock Production Management participated in XXXI Annual Convention of Indian Society of Animal Production and Management held during 26 to 28 February ,2025 at Department of Animal Production , Rajasthan College of Agriculture , MPUAT, Udaipur.

15. Dr.S.K. Maurya , Professor & Head , Department of Veterinary Physiology & Biochemistry participated in 8th annual convention of society of Veterinary Biochemists and Biotechnologists of India (SVBBI) and National Symposium on "Unlocking the Potential of Veterinary Biochemistry and Biotechnology for Food and Nutrition Security" organized at DUVASU Mathura from 20-21 December 2024.

16. Dr. Naveen Kumar Singh, Assistant Professor , Department of Veterinary Clinical Complex participated and presented a paper (oral) in three days international conference on "Global Research Initiatives for Agriculture, Science and Technology" jointly organized by India Gandhi Krishi Vishwavidyalaya (IGKV) Raipur & National Agriculture Development Cooperative Ltd. (NADCL) Baramula, UT of J & K.

Training programme

1. Dr. Asha Kumari Verma , Assistant Professor , Department of Veterinary Public Health participated in 21 days ICAR- CAFT (Center for Advance Faculty Training) course on "Emerging Trends in Serological, Molecular and Cell Based Diagnostics in Veterinary Sciences" from 22nd Jan-11th Feb 2025 organized by College of Veterinary Sciences, LUVAS, Hisar.

2. Dr. Kh. Sangeeta Devi , Assistant Professor, Department of Veterinary Surgery & Radiology

attended in 21 days International Online Training Program on ", Advanced Nutritional Strategies for Enhancing farm Efficiency and Eco-Friendly Poultry, Fish and Animal Production" from 01st to 26th March 2025, organized by College of Veterinary and Animal Husbandry, Kishangarh (BAU, Patna).

3. Dr. Pramod Kumar, Assistant Professor, Department of Veterinary Physiology, attended in 21 days International Online Training Program on ", Advanced Nutritional Strategies for Enhancing farm Efficiency and Eco-Friendly Poultry, Fish and Animal Production" from 01st to 26th March 2025, organized by College of Veterinary and animal Husbandry, Kishangarh (BAU, Patna).

4. Dr. Rabindra Kumar, Assistant Professor, Department of Veterinary Gynaecology & Obstetrics , attended in 21 days International Online Training Program on ", Advanced Nutritional Strategies for Enhancing farm Efficiency and Eco-Friendly Poultry, Fish and Animal Production" from 01st to 26th March 2025, organized by College of Veterinary and animal Husbandry, Kishangarh (BAU, Patna).

5. Dr. Dharmesh Tewari, Assistant Professor, Department of Animal Nutrition participated in Massive Open Online Courses (MOOC) on " Artificial Intelligence in Agriculture" held during February 1-28, 2025 offered by ICAR-NAARM ,Hyderabad.

6. Dr. Dharmesh Tewari, Assistant Professor, Department of Animal Nutrition participated in five days online workshop cum training program on " Climate -Smart Solutions for Heat stress in Livestock and Poultry, organized by Department of Animal Nutrition , Institute of Veterinary Science and animal Husbandry, Siksha O Anusandhan, Bhubaneshwar , Odisha from 7th to 11th January, 2025.

7. Dr. Rishikant, Assistant Professor, Department of Veterinary Pharmacology & Toxicology, participated in Massive Open Online Courses (MOOC) on " Artificial Intelligence in Agriculture" held during February 1-28, 2025 offered by ICAR-NAARM ,Hyderabad.

8. Dr. R.P. Diwakar, Assistant Professor, Department of Veterinary Microbiology, participated in Massive Open Online Courses (MOOC) on " Artificial Intelligence in Agriculture" held during February 1-28, 2025 offered by ICAR-NAARM ,Hyderabad.

9. Dr. D.P. Srivastava, Assistant Professor, Department of Veterinary Pathology, participated in Massive Open Online Courses (MOOC) on " Artificial Intelligence in Agriculture" held during February 1-28, 2025 offered by ICAR-NAARM ,Hyderabad

10. Dr. Pankaj Maurya, Associate Professor , Department of Veterinary Physiology participated in Massive Open Online Courses (MOOC) on " Artificial Intelligence in Agriculture" held during February 1-28, 2025 offered by ICAR-NAARM ,Hyderabad.

11. Dr.Jyoti Yadav, Assistant Professor , Department of Veterinary Extension participated in Massive Open Online Courses (MOOC) on " Artificial Intelligence in Agriculture" held during February 1-28, 2025 offered by ICAR-NAARM ,Hyderabad.

12. Dr. Kunwar Dhananjay Singh , Assistant Professor , Department of Livestock Farm Complex participated in the training program on " Climate Resilience Livestock Farming" organized by Training and Education Centre, ICAR-IVRI ,Pune held during 20th to 24th January 2025, via virtual mode.

13. Dr. R.K.Verma, Assistant Professor, Department of Livestock Production Management participated in 21 days National Refresher Course on " Current Development in Veterinary and Fisheries Sciences" jointly organized by RAJUVAS (Bikaner, Rajasthan), KUFOS (Kerala) and NADCL(Baramulla,J.K.) held from 04-24 June 2025.

14. Dr. Naveen Kumar Singh, Assistant Professor, Department of Veterinary Clinical Complex successfully completed 75 days Pre refresher Training Course of NCC at Officers Training Academy, Kamptee, Nagpur from 29.07.2024 to 09.10.2024.

15. Dr. Naveen Kumar Singh, Assistant Professor, Department of Veterinary Clinical Complex participated in 21 days national refresher course on "Current Developments in Veterinary and Fisheries Science" organized by Rajasthan University of Veterinary and Animal Sciences (RAJUVAS), Bikaner, Kerala University of Fishries and Ocean Studied (KUFOS), Kerala & National Agriculture Development

Cooperative Ltd. (NADCL) Baramula, UT of J & K. from 04-24 June, 2025.

16. Dr. Alok Singh , Assistant Professor, Department of Veterinary Clinical Complex participated in CAFT training at Madras Veterinary College, Chennai entitled "Recent updates in Veterinary Imaging artificial intelligence and machine learning tools in the diagnosis of farm and pet animal diseases" from 22 Jan 2025 to 11 Feb 2025.

17. Dr. Anil Singh, Assistant Professor, Department of Veterinary Clinical Complex participated in 21 days online faculty development programme (FDP -2024) on Recent advances in Agricultural technology for sustainable development Agriculture, Veterinary, Fishery and allied sectors organized by NADCL (Baramulla) and ICAR- Agricultural technology application research institute (ATARI), Pune from September 10 to 30, 2024.

18. Dr. Anil Singh, Assistant Professor, Department of Veterinary Clinical Complex participated in ICAR sponsored 21 days Winter school training programme on Modern techniques for clinical management of opthalmic affection in animals organized by OUAT, Bhubaneswar from February 12 to 4 March 2025.

x. STUDENTS' WELFARE

Student corporate Interaction Program

The College of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture and Technology, Ayodhya, organized three days student corporate interaction program from 2.12.24 to 4.12.24 for the final year BVSc and AH students pursuing internship, in which personalities of pharmaceutical industry interacted with the student and brief them all about the career prospects of a veterinary and in general specially the scope in corporate world. It was attended by Intas pharmaceuticals, Sushima pharmaceuticals, Bhavya animal Health Services Private Limited and Virbac Animal health services ltd. Another student corporate interaction program was organized on 4.06.2025 for the fourth year BVSc and Ah students. The lead speaker Dr Amit Singh marketing manager Alembic Pharmaceutical Limited from Mumbai briefly discussed about the important products and discussed in detail about career opportunities for veterinary graduates.





Students Corporate Interaction

Oath Taking Ceremony

Oath taking ceremony for the passing out veterinary graduates was organized by College of Veterinary Sciences Acharya Narendra Deva University of Agriculture and Technology Ayodhya on 7th of December 2024.





Oath taking ceremony by pass-out BVSc &AH students

Veterinary Physiology Quiz-2024

Department of Veterinary Physiology and Biochemistry, CVSc.& A.H., KUmarganj, Ayodhya organized Institute Level Veterinary Physiology Quiz-2024 in association with Society of Animal Physiologists of India (SAPI) on 11.09.2024. Two students from CVSc. &A.H., Kumarganj, Sri Parth Tripathi (V-14153/23) and Sri Amit Verma (V-12477/22) got **third position** in North Zone of the Zonal Level Veterinary Physiology Quiz competition at International Institute of Veterinary Education and Research (IIVR), Rohtak, Haryana on 15.09.2024. Dr. P.K. Maurya, Assoc. Professor, Department of Veterinary Physiology and Biochemistry



All India Physiology Quiz Competition by SAPI

xi. IMPORTANT DAYS CELEBRATED

Har Ghar Tiranga Abhiyan

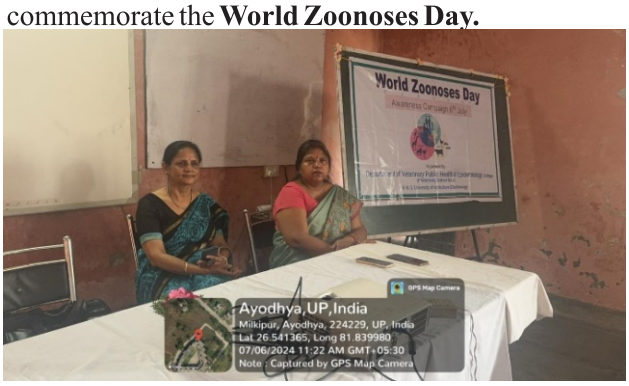
In this program, 'Jagarukta abhiyan' was performed by various faculty members of CVSc.&A.H. in the various villages nearby to the university on 13th 14th and 15th August, 2024.



Har Ghar Tiranga Abhiyan programme at primary school

World Zoonoses Day

Department of Veterinary Public Health and Epidemiology, College of Veterinary Science and Animal Husbandry of A.N.D. University of Agriculture and Technology, Kumarganj, Ayodhya (UP) organized **awareness programme** to commemorate the **World Zoonoses Day.**



Awareness Campaign at ND DAV Public School, Kumarganj

World Rabies Day

Under the guidance of the Department of VCC, CVSc. &A.H. Kumarganj, World Rabies Day was organized on 28th September 2024 at Veterinary Hospital Anand Nagar Bhitara, Milkipur, Ayodhya with the basic objective to raise the awareness about the disease and its post bite management.



World Rabies Day celebrated at Government Veterinary Hospital

Padhe Vishwavidyalaya- Badhe Mahavidylaya Program

Member in the Padhe Vishwavidyalaya-badhe Mahavidylaya Program was organized in village (Birauli Jham) adopted by Mahavidylaya.



Padhe Vishwavidyalaya- badhe

Mahavidylaya Program in adopted village

xii. AWARDS

- **Dr. Sonu Jaiswal** received a Certificate of Excellence' for securing top 10 (5th) position in All India Clinical Case Study Competition organized by Aimil Animal Health India on 25/04/2025.
- **Dr. Naveen Kumar Singh** received Best Veterinarian Award – 2025 by National Agriculture Development Cooperative Ltd. (NADCL) Baramula, UT of J & K on 20-22 Jan, 2025.
- **Dr. Alok Singh & Dr. Naveen Kumar Singh** received 2nd best oral presentation award during Veterinary clinical Case Conference organized by RAJUVAS, Bikaner and Veterinary Internal and Preventive Medicine Society (VIPM) on 8th -9th April 2025.
- **Dr. Anil Singh** obtained outstanding Ph.D. Thesis Award at the ICAN 2025 organised by Society of Agri. Res. and Social Dev. (SARSD) (New Delhi), Susthayi Krish Foundation (WB), and Southern Federal University, Rostov-On-Don, Russia on May 29-30, 2025.
- **Dr. Anil Singh** obtained 1st prize in All India Clinical Case Study Competition organized by Aimil Animal Health, India on 25.04.2025.
- **Dr. Anil Singh & Dr. Sonu Jaiswal** received 1st prize in oral presentation during Veterinary clinical Case Conference organized by RAJUVAS, Bikaner and Veterinary Internal and Preventive Medicine Society (VIPM) on 8th - 9th April 2025.
- **Dr. Asha Kumari Verma** received 3rd Prize on Poster Presentation during 18th Conference of Indian Association for Women Veterinarian on 13-14 Nov, 2024.
- **Prof. (Dr) A.K. Gangwar** received appreciation award from VC, ANDUAT. Kumarganj on 10th October 2024.
- **Prof. (Dr) A.K. Gangwar** received Appreciation award at COVAS, Kisanganj, Bihar on 12th July 2024.
- **Prof. (Dr) A.K. Gangwar** received Best Reviewer award from Indian Veterinary Association at BASU, Patna on WVD 2025.
- **Prof. (Dr) A.K. Gangwar** received Guest of Honour from AICRP on Potato, ICAR-CPRI, Shimla (HP) on 22-24 September 2024.
- **Dr. Kh Sangeeta Devi** received Best Reviewer award from Indian Veterinary Association at BASU, Patna on WVD-2025.
- **Dr. Kh Sangeeta Devi** received Reviewer Excellence Award from Editor, ARCC Journal on 11.02.2025.
- **Dr. Kh Sangeeta Devi** received Excellence in Research Award from AEEFWS Society at VGU, Jaipur, Rajasthan on 18-20 April 2025.
- **Dr.Vipin Kumar Yadav** received Excellence of Research Award from University of agriculture sciences, Raichur on 27 April 2025.
- **Dr. Jyoti Yadav** received Krantijyoti Savitribai Phule Women's Achiever's Award-2025 from Pashudhan Praharee on 26-1-2025.
- **Dr. Vijendra Kumar Pal** received Best teacher award from ANDUAT, Kumarganj on 10th Oct. 2024.
- **Dr. Vijendra Kumar Pal** received Best Poster Presentation award at College of Veterinary Science & Animal Husbandry, Birsa Agricultural University, Kanke, Ranchi, Jharkhnd 30th Nov., 2024.

xiii. PUBLICATIONS

a. *Research articles :*

S.No	Research Article	NAAS
1.	Verma, H.C., Singh, K.D., Verma ,M.K., Kumar, S., kumar, A., and kumar, R, (2025). Indigenous Traditional Knowledge Used For Reproductive Disorders and Constraint Faced by Small Dairy Farmers. *The Indian Journal of Animal Reproduction, 46,(1):33-38*	4.13
2.	Kumar, A., Kumar, S., Verma, H.C., Yadav, J., Verma, R. K., Singh, K.D., Kumar, A., , Niyogi, D., and Srivastava , D. P. (2025). Constraint Perceived by University Teachers and Veterinary Medical Officers (VMOs)in Eastern and Western Plain Zone of Uttar Pradesh. *AMA, Agricultural Mechanization in Asia, Africa and Latin America 56(I06):20721-20725.*	6.40
3.	Kumar, A., Kumar, S ., Verma, H.C., Yadav, J., Verma, R. K., Singh , K.D., Kumar, Ajeet., Kashyap, S.S and Srivastava, D. P. (2025). Socioeconomic & Psychological Profile of Veterinary Medical Officers (VMOs) in Ea stern and Western Plain Zone of Uttar Pradesh *AMA, Agricultural Mechanization in Asia, Africa and Latin America,56(I06):20839-20848.*	6.40
4.	Anmol, singh, N., Jaiswal, V., Yadav J, Sarasambi, M. K Chandra, N., singh, J., Verma, M. K. and Singh, V.K. (2025). Characterization and conservation of the Jaunpuri goat: Socio-economic and morphometric insights from Eastern Uttar Pradesh: A review. *International Journal of Advanced Biochemistry Research* , 9(1): 766-770.	5.29
5.	Singh, N., Kumar, R., Verma, H.C., Kumar, B., sachan, N. (2024) Management of Accidental Uterine Rupture in a Pregnant Goat. *The Indian Journal of Animal Reproduction,45(2):126-128* .	4.13
6.	Verma, A.K., Pramanik, P.S., Verma, M. K., Singh, K.D. and Pal, V.K. (2024). Effect of Moringa oleifera leaf powder supplementation on carcass characteristics and oxidative stress of broiler chickens. *Indian Journal of Animal Health*, 63(2), 269- 273.	5.38
7.	Verma, R.K.,Pramanik, P.S., Singh, K.D., Verma, A.K.,Verma, M.K., Abhishek Kumar, Singh, H.K. and Amit Kumar, Shrivastava, D.P. (2024). Evaluation of Rumination Time and Body Activity for Timely Oestrus Identification in Dairy Cows, *AMA*, 55(7), 18445-18554.	6.40
8.	Verma, H.C., Singh, K.D., Verma, M. K., Kumar, S., Kumar, A. and Kumar, Rajesh (2024). Indigenous Traditional Knowledge Used for Reproductive Disorders and Constraints Faced by Small Dairy Farmers. *The Indian Journal of Animal Reproduction*, 46(2), 33-38.	4.13
9.	Verma, A.K., Pramanik, P.S., Verma, M.K., Maurya, P.K., Singh, K.D., Kumar, S. and Gautam, S. (2024). Effect of Moringa oleifera Leaf Extract on Performance, Hemato-biochemical Parameters and Economics of Broiler Production. *Indian Journal of Animal Research,* 1-6. doi: 10.18805/IJAR.B-5525.	6.4

10.	Abhishek Kumar, S.K. Maurya, Pankaj Kumar Maurya, Pramod Kumar, Kunwar Dhananjay Singh, Vikas Rai, Raj Kapoor Verma, Dharam Prakash Shrivastava. (2024). Efficacy of Exogenous Melatonin on Hemato Biochemical and Immune Status of Muzaffarnagari Sheep in Different Seasons. *AMA*, *Agricultural Mechanization in Asia, Africa and Latin America* 55(07):18371-18383.	6.40
11.	R.K. Verma, P.S. Pramanik, K.D. Singh, Subodh kumar, S.S. Chauhan, Abhishek Kumar, Hemant Kumar Singh, Nitish Gupta, Dharam Prkash Shrivastava. (2024). Assessment of Body Activity and Rumination Time for Early Detection of Heat Stress in Dairy Cows. *AMA*, *Agricultural Mechanization in Asia, Africa and Latin America* 55 (08):18625-18634.	6.40
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b. Books:

S.No.	Name of Book
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c. Book Chapters

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COLLEGE OF FISHERIES

Prof. C. P. Singh, 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. The college was established with a vision to be a leading institution of the country through quality education, research and extension at par with international standards.

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1. Aquaculture
2. Fisheries Resource Management
3. Aquatic Animal Health Management
4. Aquatic Environment Management
5. Fish Processing Technology
6. Fisheries Engineering
7. Fisheries Extension, Economics and Statistics

The College offers Bachelor of Fisheries Science (B.F.Sc. Hons.), M.F.Sc. and Ph.D. degree programme. M.F.Sc. and Ph.D. are being awarded in two departments- Aquaculture and Fisheries Resource Management. The students are getting admission through Uttar Pradesh Combined Agriculture and Technology Entrance Test (UPCATET) and from 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 Ph.D. degree M.F.Sc. in concerned discipline is the basic qualification for admission.

(i) New faculty added:

Four new faculties have joined during October-November, 2024

Assistant Professor	Associate Professor	Professor
4	-	-

ii. New students admitted during the year 2024-25:

In the academic year 2024-25 total 47 students have taken admission in the college.

UG	PG	Ph.D.
29	14	4

iii. Total Students strength in UG, PG and Ph.D. programmes during the year 2024-25 (as on 31st March)

Undergraduate	Post-graduate	Ph.D.
95	30	8

iv. Teaching activities

a) Implemented the new courses designed as per the recommendations of the **Sixth Dean Committee report** from the academic year 2024-25.

b) Organized Deeksharambh for newly admitted students in B.F.Sc. programme.





Orientation and Deeksharambh programme

c. Student READY Programme

The B.F.Sc. IV year (seventh semester) students of the college were attached with various

aquaculture farms to learn different activities related to fish/ shrimp farming in various states including Haryana, Punjab and Uttar Pradesh during in-plant attachment of 56 days. After in-plant attachment students were engaged in villages for rural fisheries work experience (RFWE) programme for next 56 days. Based upon the activities performed and work done during these programmes, students prepare their report and presented their work through power point presentations. These programs helped them to understand about work culture pattern of aquaculture industries and better extension exposure of fish culture in rural areas of the state.





Students involved in different activities during their In-plant attachemnt





Students involved in different activities during Rural Fisheries Work Experience

d. Experiential Learning programme (ELP)

The students were engaged in Experiential Learning programme (ELP) which is major component of Student Rural Entrepreneurship Awareness Development Yojna (READY) in the eighth semester of graduation degree programme. In this programme, the students were associated with rearing of fishes in earthen ponds and learn the activities related to carp culture. Batch of nineteen students were allotted three earthen ponds.





Students involved in different activities during Experiential Learning Programme

v. Strengthening of infrastructure

1. **4 interactive boards** have been installed in the UG classroom to promote smart teaching using digital tools and flip learning methods.
2. **PTZ camera** has been installed in the committee room of the college to promote effective online meetings and smooth video conferencing**.**
3. The laboratories of various departments has been strengthened with equipment and machineries like:

a) **Aquaculture Lab**: Refrigerated centrifuge, Homogenizer.

b) **FRM lab**: Water Analyzer, Microscope.

c) **FPT lab**: Soxhlet Apparatus, Micro- Kjeldahl Unit, Weighing Machine, pH meter.

d) **Aqua-clinic**: Refrigerator

4. **Instructional Fish Farm** has been strengthened with new facilities like:

a) In pond cage culture Unit.

b) Poultry and Duckery unit to develop integrated fish farming units in the farm.

c) Makhana cum fish culture units.



Duck and Poultry Unit at Instructional Fish Farm



In –pond cage culture unit and Makhana culture pond at Instructional Fish Farm

vi. Research achievements:

(a) Research projects: The tremendous efforts has been taken for strengthening of research facilities and achieving good success in ongoing research projects. The faculties of the college have also submitted some new projects, the details of ongoing and submitted projects are given below

Sl. No.	Name of Research Project	Funding agencies	Status
1.	Strengthening and Modernization of Instructional Fish Farm at College of Fisheries, A.N.D.U.A.&T., Kumarganj, Ayodhya	RKVY	Ongoing
2.	Developing Index of Biotic Integrity (IBI) for assessing ecological health of Saryu and Gomti rivers of eastern Uttar Pradesh suffering from anthropogenic stresses	CST-UP	Ongoing
3.	Species validation, breeding, growth and nutritional perspectives of the cat fish *Clarias magur* for diversification of aquaculture in Eastern Uttar Pradesh	UPCAR	Submitted
4.	Development, Standardization and Adoption of Freshwater Pearl Culture Technique in Eastern Uttar Pradesh	SADP	Submitted

vii. Number of students successful in exams (JRF/SRF/NET or other exams)

1. Mr. Puneet Patel, Ph.D. (Aquaculture) has qualified UGC-NET
2. Mr. Rajesh Das, M.F.Sc. (Aquaculture) and Ms. Shreya Rao (B.F.Sc.) student of the college has qualified ICAR-PG entrance examination and pursuing their higher studies at ICAR-Central Institute of Fisheries Education, Mumbai.

viii. Students' Placement

1. Four students out of twenty students of recently passed out batch (i.e. 2020-24) are placed in different industries like Aqua Connect, Dayal, Neospark Pvt. Ltd. and Prajakta Life Science while rests are pursuing their higher studies.

ix. Training Programme/ workshop/ conferences organized

1. **Two batches of three days training program** for fish farmers of seven divisions namely Ayodhya, Devipatan, Gorakhpur, Prayagraj, Azamgarh, Jhansi and Vindhyachal of the state was organized from 3rd to 5th March, 2025 and 6th to 8th March.



Training Programme organized during 3rd to 8th March

x. Training/ Conference/ Seminar/ Workshop attended by faculty

1. Dr. Shashank Singh, Assistant Professor, Department of Aquaculture, participated in 21 days Winter School on Genetics and Genomics Tools for Sustainable Aquaculture and Fisheries at ICAR- Central Marine Fisheries Research Institute, Kochi, Kerala from 15th January to 4th February, 2025.
2. Dr. Dinesh Kumar, Assistant Professor, Department of Aquaculture, participated online in Hands-on learning workshop on Jamovi for Statistical data analysis (a new and modern approach of statistics) organized by AVASTAMBH, Kanpur from 22 – 24th January, 2025.
3. Dr. Dinesh Kumar, Assistant Professor, Department of Aquaculture, participated online in Hands-on National Workshop on Molecular Docking: Basic to Application in Drug Discovery jointly organized by Raghunath Girls' Post Graduate College, Meerut and AVASTAMBH, Kanpur from 29th November to 3rd December, 2024.
4. Dr. Shashank Singh, Assistant Professor, Department of Aquaculture, participated online in 30 days short course cum Training on Rural Development Project Management jointly organized by Global Forum for Sustainable Rural Development and National Institute of Technology, Malang, Indonesia from 16th November to 15th December, 2024.

5. Dr. Suman Dey, Assistant Professor, Department of Fisheries Extension, Economics and Statistics, participated online in `National Webinar on Research Ethics and Academic Publishing organized by Central University of Tamil Nadu, Thiruvarur on 27th November, 2024.

6. Dr. Suman Dey, Assistant Professor, Department of Fisheries Extension, Economics and Statistics, participated online in 30 days short course cum Training on Rural Development Project Management jointly organized by Global Forum for Sustainable Rural Development and National Institute of Technology, Malang, Indonesia from 16th November to 15th December, 2024.

7. Dr. Suman Dey, Assistant Professor, Department of Fisheries Extension, Economics and Statistics, participated and presented a paper in online Seminar on Agricultural Transformation in India: Challenges, Issues and Opportunities organized in Purulia, West Bengal on 9th January, 2025.

8. Dr. Suman Dey, Assistant Professor, Department of Fisheries Extension, Economics and Statistics, participated online in five days Faculty Development Programme cum training on Empowering Higher Education Institutions in Technology enabled Learning and Blended Learning organized by Somaiya Vidya Vihar University, Mumbai from 13th – 17th January, 2025.

9. Dr. Suman Dey, Assistant Professor, Department of Fisheries Extension, Economics and Statistics, participated and presented a paper in online National Seminar on Progressive Agriculture: Vikshit Bharat: Preparedness for Eastern Region (PAVER-2025) organized by ICAR-RCER centre, Patna from 21st-23rd February, 2025.

10. Dr. Suman Dey, Assistant Professor, Department of Fisheries Extension, Economics and Statistics, participated in an online training on Digital Innovations for Aquaculture Development organized by MANAGE, Hyderabad on 28th March, 2025.

xi Awards to College/faculty

Sl. No.	Name of teachers/ scientist	Name of Award	Awarding Agency	Date of Award
1.	Dr. Radhakrishnan K.V.	**Best Teacher Award**	Acharya Narendra Deva University of Agriculture & Technology (ANDUA&T), Kumarganj, Ayodhya	05.09.2024
2.	Dr. Radhakrishnan K.V.	**Best oral presentation Award** in the National Seminar on Advances in Environment Management for Sustainable Fisheries & Livestock Production (AEMS-2024)	Dept. of Aquatic Environment Management, College of Fisheries (BASU), Kishanganj, Bihar, India	19.11.2024
3.	Mr. Pradip Kumar Maurya	Young Scientist Award	Society of Life Sciences	07.03.2025

xii. Extension activities

- Brainstorming session on "**Empowering fisheries students with modern technology solutions especially focused on Growel 360 degree App"** organized on 13.12.2024. The experts from Growel Feeds Pvt. Ltd, a leading manufacturer of aqua feed in India withheld the sessions and also enlightened on the further career opportunities in the sector.



Expert lecture during brainstorming session

- Faculty of the college visited Anganwadi centres of the adopted village on 25.07.25 to explain the importance of cleaning to the children



Faculty of the college at anganwadi centre of adopted village

- In the month of July, several events like painting, speech and story-telling competitions was organized in the primary and junior school of adopted village



Faculty of the college at primary and junior school of adopted village

xiii. Social programmes/ Days/ events organized

- Saplings of plants distributed and planted in adopted village to commemorate Van Mahotsav Week in the month of July.



- On the occasion of National Fish Farmers Day (i.e. 10th July) seed ranching and matsya palak gosthi organized to share knowledge on scientific fish farming and enhance fish production in the adopted village.



Seed Ranching in adopted village



Matsya Palak Gosthi Programme in adopted village

- National Flags were distributed in the adopted village during Har Ghar Tiranga programme.



- Cleanliness drive organized as "Swachchhta Hi Sewa" between 17th September to 2nd October, 2024 to commemorate Gandhi Jayanti



Faculty & students of COF during "Swachchhta Hi Sewa" programme



Cleanliness drive between organized as "Swachchhta Hi Sewa"

- On the occasion of World Fisheries Day (i.e. 21st November) several competitions like quiz, slogan, logo, poster and rangoli organized for the students of the university. Apart from these, seed ranching with 50000 carp fingerlings was also done in the Thauri Ghat of Gomti River.

Seed Ranching at Thauri Ghat of Gomti River

- An event on Padhe Vishwavidyalay, Badhe Vishwavidyalay evam Padhe Mahavidyalay, Badhe Mahavidyalay was organized An oath ceremony at college level and sensitization programme for the students of the adopted village.



Padhe Vishwavidyalay, Badhe Vishwavidyalay evam Padhe Mahavidyalay, Badhe Mahavidyalay

xiv. Publications:

a. Research articles

Sl. No.	Title	NAAS rating
1.	Tiwari S., Pramanik, P.S., Chauhan, S. S., Kashyap, S.S., Verma, R.K., Tewari, D., Singh, S. and Shrivastava, D.P. (2025). Assessing profitability and sustainability in poultry cum fish and dairy cum fish integrated farming systems.AMA, 56(6): 20715-20720.	6.40
2.	Sajina, Maurya, P.K., Saha, B., Nirdesh, and Gupta, R. (2025). Assessing managerial competency of directors of farmer producer organization in Tripura. International Journal of Agriculture Extension and Social Development, 8 (4): 543-546.	5.04
3.	Sajina, Maurya, P .K., Saha, B., Nirdesh. (2025). P erformance of farmer producer organizations and its associated factors: case study in Tripura . International Journal of Agriculture Extension and Social Development, 8 (4): 538-542.	5.04
4.	Patel, P. K., Sahu, B., Tripathi, M. K., Venkatesh, K., Acharya, P. Gokul, S., Singh, C. P., Kumar, D. and Singh, S. (2025). Formulation and Evaluation of Economical Extruded Fish Feed for GIFT Tilapia (*Oreochromis niloticus*) Fingerlings: A Study in Sustainable Aquaculture. Journal of Advances in Biology & Biotechnology, 28(3): 982-995.	5.30
5.	Patel, P. K., Venkatesh, K., Gokul, S., Tripathi, M. K., Singh, S., Kumar, D., and Maurya, M. (2025). Comparative growth performance of Indian Major carps and exotic carps in an Aquaponics systems with cucumber (*Cucumis sativus*). Journal of Advances in Biology & Biotechnology, 28(3): 703-711.	5.30
6.	Singh, A., Kumar, D., Prasad, L., Singh, C. P. and Singh, S. (2024). Effects of using vermicompost as fish pond manure on *Labeo rohita* (Ham.) growth. International Journal of Advanced Biochemistry Research, 8(12): 05-09.	-
7.	Kumar, R., Jaiswar, A. K., Prasad, L., Sarma, K., Landge, A. T., Nayak, B. B., Ahirwal S. K. and K. G. Mandal (2024). *Macrognathus aral* (Bloch and Schneider 1801): Growth, condition, age, mortality, recruitment and exploitation in running and stagnant ecosystems in Gandak Basin, India. Indian Journal of Fisheries, 71(1):105-111.	6.40
8.	Misra, V.K., Borah, S., Kumar, N., Kumar, R., Singh, C. P., Singh, S., Kumar, D., Pathak, M., Tripathi, A. N. and Thungun, P. K. (2024). Impact Assessment and Yield Gap Analysis of Composite Fish Culture Technology in North East Region with Special Reference to Arunachal Pradesh, India. Uttar Pradesh Journal of Zoology, 45(22): 83-91.	5.24
9.	Misra, V.K., Pathak, M., Tripathi, A. N., Singh, S., Singh, C. P., Upadhyay, A. D. and Kumar, D. (2024). Economic Impact of Periphyton -Based Stunted Fingerling Production in Arunachal Pradesh, India. Uttar Pradesh Journal of Zoology, 45(20): 525-534.	5.24
10.	Misra, V.K., Pathak, M., Tripathi, A. N., Singh, S., Singh, C. P., Upadhyay, A. D. Kumar, D., and Kadirwell, G. (2024). Assessment of the Composite Fish Culture Training Impact on Participants' Knowledge Acquisition in Arunachal Pradesh under Eastern Himalayas. Journal of Scientific Research and Reports, 30(12): 224-234.	5.17
11.	Misra, V.K., Kumar, N., Kumar, R., Singh, C. P., Singh, S., Kumar, D., Tripathi, A. N., Pathak, M., and Upadhyay, A. D. (2024). Impact of Technological Interventions on the Yield and Income of Tribal Farm Women's in Arunachal Pradesh under Eastern Himalayan Region. Journal of Scientific Research and Reports, 30(12): 242-254.	5.17

12.	Patel, P.K., Sahu, B., Nanda, S., Acharya, P., Kumar, D., Lavkush and Venkatesh K. (2024). To Standardise Parameters for Preparation of Extruded Feed Using Various Conventional and Non-Conventional Ingredients. Uttar Pradesh Journal of Zoology, 45(8): 121-135.	**5.24**
13.	Singh, M. B., Prasad, L., Kumar, D., Kanaujiya, S., Pathak, A., Soni, M., Dubey, S. and Kalaria, K., K. (2024). Assessing the Effectiveness of Cow Manure and Gypsum Soil Amendments in Mitigating Sodic Soil Conditions and their Influence on the Length-weight Relationship of *Labeo rohita* . Uttar Pradesh Journal of Zoology, 45(7): 118-125.	**5.24**

b. Books

Sl. No.	Title of the Book
1.	Gupta G., Singh, S. and Kumar, M. (2025). Fundamentals of Fish Biochemistry – Practical Manual. Cornous Publications LLP. ISBN: 978 -81-986832-3-6.

MAHAMAYA COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY, AMBEDKARNAGAR

Dr. N. C. Shahi , Dean

The College of Agricultural Engineering & Technology was started with B.Tech Agricultural Engineering Programme in 2003-04 at main campus Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya. The College was shifted at Ambedkar Nagar and renamed as "Mahamaya College of Agricultural Engineering & Technology" in 2005.

- **No. of departments: 06**

1. Farm Machinery and Power Engineering (FMPE)
2. Irrigation and Drainage Engineering (IDE)
3. Process and Food Engineering (PFE)
4. Soil and Water Conservation Engineering (SWCE)
5. Renewable Energy Engineering (REE)
6. Basic Engineering and Applied Sciences (BEAS)

- **No. of degree program: 03**

Sr. No.	Program	Discipline
1	B. Tech	Agricultural Engineering
		Computer Science & Engineering
2	M. Tech. (Agricultural Engineering)	Farm Machinery and Power Engineering
		Irrigation and Drainage Engineering
		Process and Food Engineering
		Soil and Water Conservation Engineering
		Renewable Energy Engineering
3	Ph.D. (Agricultural Engineering)	Farm Machinery and Power Engineering
		Irrigation and Drainage Engineering
		Process and Food Engineering
		Soil and water Conservation Engineering

i. New faculty added

Assistant Professor	Associate Professor	Professor
4	1	1

ii. Number of students admitted in UG, PG and Ph.D. program during 2024-25

	Undergraduate	Post-graduate	Ph.D.
No. of students	63	6	02

iii. Total students strength in UG, PG and Ph.D. program during the year 2024-25 (as on 31st March)

	Undergraduate	Post-graduate	Ph.D.
No. of students	132	14	09

iii. Teaching activities: ELP/RAWE programmes:

- Total **26 students** of B. Tech (IV), Agricultural Engineering were registered for both Experiential Learning on Campus (Student READY)-10 weeks & Industrial Attachment/ Internship Outside Campus (Student READY)-10 weeks.
- For Industrial Attachment/ Internship Outside Campus (Student READY)- 10 weeks students got internship from 15th July 2024 to 30 September 2024 at several industries such as
    1. Escorts Training & Development Centre (ETDC) Bengaluru – 560081, Karnataka,
    2. Captain Tractors Pvt. Ltd. Rajkot Gujrat,
    3. Anant Irrigation, 38 AKVN Industrial Area, Ruddhi Bhawsingpura, Khandwa (M.P.) 450001.
    4. Pride Seeds Akbarpur Ambedkar Nagar.
- Experiential Learning on Campus (Student READY)-10 weeks was carried out in college from 1st October 2024 to 10th December 2024 and students were engaged for two weeks each in five departments namely,
    1. Farm Machinery & Power Engineering,
    2. Renewable Energy Engineering,
    3. Irrigation and Drainage Engineering,
    4. Soil & Water Conservation Engineering
    5. Process Food Engineering.

iv. Research achievements: varieties and technology developed, patent, MoUs Research projects (under operations and submitted)

➢ **Under operations (On going)**

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

➢ **Project submitted:**

S. No.	Title of project	Name of PI	Funding Agency
1	Development of Improved Grain Storage System for Marginal/Small Farmers in Uttar Pradesh	Dr. N.C. Shahi	UPCAR, Lucknow
2	Development of crop yield model using remote sensing and field observation in Eastern Uttar Pradesh.	Dr Shivam	UPCAR, Lucknow
3	Study of biochar production, application for soil health improvement and carbon sequestration	Dr. Paul Arjun Sanjay	UPCAR, Lucknow

4	Establishment of plasticulture technology center for high value vegetable cultivation under unfavourable growing conditions of Uttar Pradesh.	Dr. Vikas Kumar Singh	UPCAR, Lucknow
5	Development of Standard Operating Procedures (SOP) for Nutrient Management in Orchard using drone technology in Uttar Pradesh.	Dr. Neeraj Kumar Singh	UPCAR, Lucknow
6	Development of Low -Cost Auto Steering for Application in Agricultural Operations.	Dr. Prabhakar Shukla	UPCAR, Lucknow
7	Design and Development of AI -Based Unmanned Ground Spraying System for Wider Crop.	Dr. Manish Kumar	UPCAR, Lucknow
8	Development of Low -Cost Yield Monitoring System Mounted on Combine harvester for Yield Prediction Model in Eastern part of Uttar Pradesh.	Dr. P K Mishra	UPCAR, Lucknow
9	Development of Standard Operating Procedures (SOP) of Drone for Nutrient Management of Rice and Wheat Crops in Uttar Pradesh.	Dr. Neeraj Kumar Singh	UPCAR, Lucknow
10	Standardization and up scaling of pulp processing technologies for north Indian mango varieties.	Dr. Vipul Chaudhary	UPCAR, Lucknow
11	Establishment of Plasticulture Technology Center for Sustainable Development of Farmers and Entrepreneurs	Dr. Shivam	SADP
12	Establishment of Geo -informatics Laboratory for Natural Resources Management	Dr. Shivam	RKVY
13	Design, development and experimental investigation of agro voltaic system for the eastern Uttar Pradesh Region	Dr. Paul Arjun Sanjay	SADP
14	Application of drone technology in orchard management	Dr. Neeraj Kumar Singh	SADP

Patent Publication: During 2024-25, Total 11 patents were granted and 2 published by faculties of MCAET.

Table 1. Details of patents published/granted to ANDUAT

S. No.	Patent Application No.	Status of patents published/granted	Inventor's name	Title of patent	Date of filing	Patents published/ granted date	Patent publication No./patent granted No.
			Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar				
1.	202411074267 A	Published	Ms. Varsha Kamboj, Shefali Massey, Navin Chandra Shahi	EXTRACTION AND DYEING PROCESS OF SILK FABRIC USING BARK OF PINUS	01/10/2024	27/12/2024	NA
2.	202511006522 A	Published	Er. Shraddha Singh, Dr. Navin Chandra Shahi, Dr. Sabbu Sangeeta, Umesh Chandra Lohani, Sachin Kumar, Arshi Siddiqui, Shikhangi Singh, Ashutosh Tiwari, Dr. Meenal	PROCESS FOR DEVELOPMENT GREEN TEA TABLETS FOR BEVERAGE PREPARATION	27/01/2025	14/02/2025	NA
3.	410101-001	Granted	Mr. Amar Tiwari, Er. R. J. Singh, Dr. Pramod Kumar Mishra, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. Vijay Kumar Singh, Dr. Vipul Chaudhary, Dr. Shivam, Dr. S. K. Pandey, Mr. Shashank Verma, Mr. Amir Ansari, Mr. Ashu Singh, et al.	TREE SHAKER CUM FRUIT HARVESTER MACHINE	11/03/2024	03/05/2024	168041
4.	421905-001	Granted	Dr. Pramod Kumar Mishra, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. Sandeep Kumar Pandey, Dr. S. K. Pandey, Dr. Tarun Kumar Maheshwari, Dr. Neeraj Kumar Singh, Er. Shashank Verma, Er. Satyam Singh, Er. Amir Ansari, Er. Shubham Yadav, Er. Marutesh Yadav.	SOLAR OPERATED FIELD SPRAYER	01/072024	14/08/2024	177906

5.	425570-001	Granted	Dr. Vijay Singh Meena, Dr. Amitava Rakshit, Dr. Gajendra Singh , Dr. Raj Kumar Jat , Dr. Manish Kumar, Er. Satyam Singh, Dr. Pramod Kumar Mishra, Dr. Sunita Kumari Meena, Dr. Hanuman Prasad Parewa, Dr. Shivam	HYDROTHERMAL MONITORING APPARATUS FOR RICE CROP	02/08/2024	12/09/2024	180426
6.	425565-001	Granted	Dr. Vijay Singh Meena, Dr. Manish Kumar, Dr. Raj Kumar Jat, Dr. Sunita Kumari Meena, Dr. Pramod Kumar Mishra, Dr. Amitava Rakshit, Er. Shyam Nath, Dr. Hanuman Prasad Parewa, Dr. Gajendra Singh, Er. Satyam Singh	MANUAL OPERATED ZERO TILL DRILL MACHINE	01/08/2024	17/10/2024	182974
7.	427175-001	Granted	Dr. Vikas Kumar Singh, Dr. K. N. Tiwari, Dr. Vijay Kumar Singh, Dr. Shivam, Dr. Santosh DT, Dr. Vipul Chaudhary, Dr. Manish Kumar, Er. Shashank Verma, Dr. Paul Arjun Sanjay	GREENHOUSE STRUCTURE FOR YEAR-ROUND CULTIVATION	15/08/2024	10/10/2024	182519
8.	425838-001	Granted	Dr. Vipul Chaudhary, Er. Aryan Prajapati, Ashwani Kumar, Shashank Verma, Vijay Kumar Singh, Pramod Kumar Mishra, Dr. Paul Arjun Sanjay, Shivam, Dr. Vikas kumar sing, Dr. Manish Kumar, Aditya Kashyap, Adarsh Singh.	HAND OPERATED POTATO PEELING MACHINE	05/08/2024	03/10/2024	181905
9.	425839-001	Granted	Vijay Kumar Singh, Aditya Kashyap, Adarsh Singh, Shashank Verma, Vipul Chaudhary, Pramod Kumar Mishra, Vikas Kumar Singh, Paul Arjun Sanjay, Shivam, Manish Kumar, Ashwani Kumar, Aryan Prajapati	HAND CUM POWER OPERATED MAIZE SHELLER	05/08/2024	07/04/2025	196446
10.	431192-001	Granted	Dr. Pramod Kumar Mishra, Arpit Tiwari, Surya Mani Dixit, Manish Kumar 5. Paul Arjun Sanjay, Vijay Kumar Singh, Vipul Chaudhary, Shivam, Sandeep Kumar Pandey, Shashank Verma, Marutesh Yadav, Shubham Yadav	WALK BEHIND BATTERY OPERATED SINGLE ROW SUGARCANE HARVESTER	20/09/2024	24/10/2024	183382

11.	434638-001	Granted	Er. Dev Raj Rastogi, Dr. Manish Kumar , Dr. Pramod Kumar Mishra, Dr. Gajendra Singh, Dr. Paul Arjun Sanjay, Dr. Vijay Kumar Singh, Dr. Vipul Chaudhary, Dr. Vikas Kumar Singh, Dr. Shivam , Dr. Vijay Singh Meena, Er. Shashank Verma, Er. Ashu Singh	SENSOR BASED WALK BEHIND INTER AND INTRA ROW WEEDER	17/10/2024	08/05/2025	199099
12.	435615-001	Granted	Dr. Dharmendra Kumar, Dr. Anjani Kumar , Dr. Manish Kumar, Dr. Pramod Kumar Mishra, Dr. Raghubar Sahu, Dr. Muneshwar Prasad, Dr. Ravindra Kumar Sohane, Dr. Amrendra Kumar, Dr. Rajesh Kumar, Dr. Ajay Maurya, Dr. Amit Kumar, Dr. Reeta Singh	MANUAL OPERATED NUTRILICK MACHINE	24/10/2024	23/12/2024	188371
13.	451140-001	Granted	Er. Ashu Singh, Dr. Pramod Kumar Mishra, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. V. K. Singh, Dr. Shivam, Dr. Vipul Chaudhary, Dr. Sandeep Kumar Pandey, Er. Satyam Singh, Er. Amar Tiwari , Er. Devraj Rastogi	MOTOR OPERATED SEED DRILL	11/03/2025	19/06/2025	202507

vi. No. of students successful in exams (JRF/SRF/NET or other exams)

GATE cleared: 02

1. Akanksha Singh (E-12169/21)
2. Shivam Kumar Sharma (E-12187/21)

vii. Students placements:

Total 17 students (12 off campus and 05 on- campus) placed.

Sr No.	Name of the students	Pass out year	Company	Designation	CTC (lacs)
	On-campus				
1.	Sachin	June 2025	TAFE Tractor	Graduate Executive Trainee	6.0
2.	Vishal Gupta	June 2025	TAFE Tractor	Graduate Executive Trainee	6.0
3.	Ankush Yadav	June 2025	TAFE Tractor	Project officer	3.82
4.	Gyanendra Kumar	June 2025	TAFE Tractor	Project officer	3.82
5.	Ambuj Dixit	June 2025	TAFE Tractor	Project officer	3.82
6.	Vivek Sharma	June 2025	TAFE Tractor	Project officer	3.82
7.	Aman Singh	June 2025	TAFE Tractor	Field officer	3.0
	Off- campus				
8.	Harshit Pandey	June 2023	Sonalika	Senior Field officer	3.5

viii. Training programmes/workshop/conference organized:

➢ **Conference/workshop organized:** Total 02 conference/workshop organized

S. No.	Title of Seminars/ Symposia/Course/ Workshop	Mode of Seminars/ Symposia/Course/ Workshop	Date & Duration
1.	Latest trends in IT Industry & IoT	Physical	4th March, 2025
2.	30 days skill development training sponsored by Unnati Foundation	Physical	19th November to 20th December 2024





30 days skill development training sponsored by Unnati Foundation during 19th Nov. to 20th Dec. 2024

viii. Training/conference/seminar/workshop attended by the faculty during the period April 24 to March 25

1. Dr. Navin Chandra Shahi, Professor, Department of Processing and Food Engineering, MCAET, Ambedkarnagar participated in the National Conference on "Digital Agriculture : Empowering Indian Farming" jointly organized by Indian Council of Agricultural Research (ICAR) and National Academic of Agricultural Sciences (NAAS), NAAS Complex, New Delhi from December 17-18, 2024

2. Dr. Vijay Kumar Singh, Associate Professor, Department of PFE, MCAET, Ambedkarnagar, Successfully completed 21 days CAFT training programme on “Recent Advances in storage and Packaging Technologies for Agro Processing” from 4-24 February, 2025 at the ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road Bhopal - 462 038 (M.P.), India.

3. Dr. Pramod Kumar Mishra, Assistant Professor, Department of Farm Machinery and Power Engineering, MCAET, Ambedkarnagar participated in the 58th Annual Convention of Indian Society of Agricultural Engineers (ISAE) on " Engineering Innovations for Next-gen Digital Agriculture" held on November 12-14, 2024 at Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani 431 402 (M.S.) India.

4. Dr. Pramod Kumar Mishra, Assistant Professor, Department of Farm Machinery and Power Engineering, MCAET, Ambedkarnagar participated in the National Seminar on "Green Energy for Clean Environment & Sustainable Agriculture" held on April 22, 2024 at ICAR-NBFGR, Lucknow (U.P.)

5. Dr. Vipul Chaudhary, Assistant Professor, Department of Processing and Food Engineering, MCAET, Ambedkarnagar participated (Online) in the 58th Annual Convention of Indian Society of Agricultural Engineers (ISAE) on " Engineering Innovations for Next-gen Digital Agriculture" held on November 12-14, 2024 at Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani 431 402 (M.S.) India.

6. Dr. Vipul Chaudhary, Assistant Professor, Department of PFE, MCAET, Ambedkarnagar, Successfully completed 21 days Winter School on "Recent Advances in Food Processing Technologies for Agri-Horti Produce" during 16 January to 5 February, 2025 at Division of Food Science and Postharvest Technology, ICAR-IARI, New Delhi.

7. Dr. Vipul Chaudhary, Assistant Professor, Department of Processing and Food Engineering, MCAET, Ambedkarnagar participated (Online) in International Conference On "Frontiers in Advances and Research for Multidisciplinary Engineering, Management, Environmental and Related Sciences" (FARMERS-2025) March 20"-21", 2025 Organized by Unnat Bharat Abhiyan Cell, Sir Chhotu Ram Institute of Engineering and Technology, Chaudhary Charan Singh University, Meerut

8. Dr. Vikas Kumar Singh, Assistant Professor, Department of Soil and Water Conservation Engineering, MCAET, Ambedkarnagar participated in the ICAR-sponsored 21 Days Winter School Training on “Advances in

production and post-production technologies in pulses for achieving self-sufficiency, food and nutritional security" during 29th January 2025 to 18th February 2025 at ICAR-Indian Institute of Pulses Research, Kanpur, UP.

9. Dr. Paul Arjun Sanjay Assistant Professor, Department of REE, MCAET, Ambedkarnagar participated in the 58th Annual Convention of Indian Society of Agricultural Engineers (ISAE) on "Engineering Innovations for Next-gen Digital Agriculture" held on November 12-14, 2024 at Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani 431 402 (M.S.) India.

10. Dr. Paul Arjun Sanjay Assistant Professor, Department of REE, MCAET, Ambedkarnagar participated in Indo-French Symposium on Biochar: Black is the New Green at IIT Roorkee from 15 to 18th February 2025.

11. Dr. Manish Kumar, Assistant Professor, Department of Farm Machinery and Power Engineering, MCAET, Ambedkarnagar participated in the 58th Annual Convention of Indian Society of Agricultural Engineers (ISAE) on "Engineering Innovations for Next-gen Digital Agriculture" held on November 12-14, 2024 at Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani 431 402 (M.S.) India.

12. Dr. Manish Kumar, Assistant Professor, Department of Farm Machinery and Power Engineering, MCAET, Ambedkarnagar participated in 17th Agricultural Science Congress and ASC. Expo held during 20-22 Feb 2025 at GBPUAT, Pantnagar, UK.

13. Dr. Manish Kumar, Assistant Professor, Department of Farm Machinery and Power Engineering, MCAET, Ambedkarnagar participated in the National Seminar on "Green Energy for Clean Environment & Sustainable Agriculture" held on April 22, 2024 at ICAR-NBFGR, Lucknow (U.P.)

14. Dr. Shivam, Assistant Professor, Department of Irrigation and Drainage Engineering, MCAET, Ambedkarnagar participated in the National Seminar on "Green Energy for Clean Environment & Sustainable Agriculture" held on April 22, 2024 at ICAR-NBFGR, Lucknow (U.P.).

15. Dr. Shivam, Assistant Professor, Department of Irrigation and Drainage Engineering, MCAET, Ambedkarnagar participated in 17th Agricultural Science Congress and ASC. Expo held during 20-22 Feb 2025 at GBPUAT, Pantnagar, UK.

16. Dr. Shivam, Assistant Professor, Department of Irrigation and Drainage Engineering, MCAET, Ambedkarnagar participated in REFRESH Workshop held during June 12-13 2025 organized by Royal University of Bhutan in Paro Bhutan.

17. Dr. Prabhakar Shukla, Assistant Professor, Department of Farm Machinery and Power Engineering, MCAET, Ambedkarnagar participated in the National Seminar on "Green Energy for Clean Environment & Sustainable Agriculture" held on April 22, 2024 at ICAR-NBFGR, Lucknow (U.P.)

18. Dr. Neeraj Kumar Singh, Assistant Professor, Department of Renewable Energy Engineering, MCAET, Ambedkarnagar participated in the National Seminar on "Green Energy for Clean Environment & Sustainable Agriculture" held on April 22, 2024 at ICAR-NBFGR, Lucknow (U.P.)

x. Awards to college/faculty

Sr No.	Name of teachers/scientist	Name of Award	Awarding agency	Date of Award
1	Dr. Vijay Kumar Singh	**Best Teacher**	ANDUAT, Kumarganj	10th October , 2024.
2	Dr. Manish Kumar	**Best Paper Award**	ANRCM, Lucknow, UP	22nd April 2025 .
3	Dr. Manish Kumar	**Best Poster**	ISAE 2024, Parbhani, MH	November 2024

xi. Extension activities:

Sr. No.	Name of the programme and place	No. of participants
1.	Zonal Level Rabi Uptadakta Gosthi at ANDUAT, Kumargunj, Ayodhya – Agri Drone Demonstration on 28 Oct 2024	More than 1000
2.	Exposure visit of students to CII Agro Tech India Krishi Bharat 2024, Lucknow on 17 Nov 2024	More than 50
3.	Exposure visit of students of Jwahar Navodaye Vidhyalaya, Ambedkar Nagar to MCAET, Ambedkar Nagar on 29 Nov 2024	More than 100
4.	Exposure and Survey visit of students to Village Sihmai, Ambedkar Nagar on 19-20 Dec 2024	More than 50
5.	Exposure visit of students to Automatic Nursery Plant at Rajkiya Poudhshala, Akbarpur on 26 Dec. 2004	More than 50
6.	Exposure visit of students of HL Children Academy, Ambedkar Nagar to MCAET, Ambedkar Nagar on 30 Dec. 2024	More than 100
7.	Exposure visit of students of Jwahar Navodaye Vidhyalaya, Ambedkar Nagar to MCAET, Ambedkar Nagar on 05 Feb 2025	More than 100
8.	Exposure visit of students of Jwahar Navodaye Vidhyalaya, Ambedkar Nagar to MCAET, Ambedkar Nagar on 13 Feb 2025	More than 100
9.	Exposure visit of students of Jwahar Navodaye Vidhyalaya, Ambedkar Nagar to MCAET, Ambedkar Nagar on 18 Feb 2025	More than 50
10.	Dr. Neeraj Kumar Singh, Dr. Prabhakar Shukla and Dr. Paul Arjun Sanjay Delivered Multiple Lectures at Opportunities in Field of Agriculture, Precision Farming and Role of Renewable Energy in Future	More than 200
11.	One day Off-Campus Training cum Padhe Vishwavidhyalya Badhe Vishwavidhyalya, Padhe Mahavidhyalya Badhe Mahavidhyalya at Village Sihamai, Ambedkar Nagar on 07 March 2025	More than 50





Participation of MCAET Scientists in Zonal Level Rabi Utpadakta Gosthi at ANDUAT, Kumarganj, Ayodhya

xii. Educational Tour Program: An educational tour program was organized for B.Tech. Agricultural Engineering final year students from 05th to 11th January 2025.





During tour students visited the Sardar Vallabhbhai Patel University of Agriculture and Technology (SVPUAT), Meerut, Indian Institute of Soil and Water Conservation (IISWC), Dehradun, Forest Research Institute (FRI), Dehradun, Indian Institute of Remote sensing, Dehradun, Indian veterinary Research Institute(IVRI), Bareilly, UP.

xiii. Publications

a. Research articles

S.No.	Title of Paper	NAAS rating
1.	Chaudhary, Vipul, Viva k Kumar, Vijay Kumar Singh, Shashank Verma, Harsh Prakash Sharma, Sunil, Ankur Mahendra Arya, Vikash Kumar Singh, and Arjun Sanjay Paul (2025) Standardization of Process for Preparation of Multi Millets Instant Halwa Mix (A Sweet Dish) and Its Quality Evaluation. European Journal of Nutrition & Food Safety 17 (6):263-70. https://doi.org/10.9734/ejnfs/2025/v17i61755	**5.14**
2.	Verma, Shashank, Vijay Kumar Singh, Vipul Chaudhary, Navin Chandra Shahi, Pramod Kumar Mishra, and Sanjay Kumar Singh (2025) Clove (Syzy gium aromaticum): A Champion Spice With Therapeutic and Industrial Potential. European Journal of Nutrition & Food Safety 17 (5):119-26. https://doi.org/10.9734/ejnfs/2025/v17i51712	**5.14**
3.	Vijay Kumar Singh, Shashank Verma, Vipul Chaudhary, Vikas Kumar Sin gh, Shivam, Sanjay Kumar Singh, Amit Shukla, Ambikesh Yadav (2025) Moisture-Dependent Some Physical Properties of Selected Food Grains Environment and Ecology 43 (1A) : 282 —288, DOI: https://doi.org/10.60151/envec/NMFI3237 ISSN 0970-0420	**4.87**
4.	Sunil, Neelesh Chauhan, Ramesh Pal, Vijeta Singh, Satyartham, and Vipul Chaudhary (2025) Effects of Storage on the Crude Fiber, β -Carotene and Iron Content of Cookies Made With Wheat Flour, Pumpkin Flour, and Pumpkin Seeds Flour Blends. European Journal of Nutrition & Food Safety 17 (4):183 - 89. https://doi.org/10.9734/ejnfs/2025/v17i41690.	**5.14**
5.	Vijay Kumar Singh, Shashank Verma, Vipul Chaudhary, Naveen Chandra Shahi (2024) Impact of packaging materials and storage conditions on the shelf life and quality of biscuits. International Journal of Food Science and Nutrition,10(2):9-11	**4.49**
6.	Akanksha Mathur, Vikas K Singh, Shivam, Vipul Chaudhary, KhwahizAli, Mo Akram, Sarvda Nand Tiwari, Vipin Kumar Roshan, Shashank Verma and Sakshi Dixit (2024) Temporal and spatial anal ysis of water quality parameters of upper Ganga basin International Journal of Research in Agronomy 2024; 7(8): 127-136	**5.20**
7.	Akanksha Mathur, Vikas K Singh, Shivam, Vipul Chaudhary, KhwahizAli, Mo Akram, Sarvda Nand Tiwari, Vipin Kumar Roshan, Shashank Verma and Sakshi Di (2024) Assessment of water quality parameters using waterquality index (WQI) of upper Ganga basin International Journal of Research in Agronomy 2024; 7(8): 106-113	**5.20**
8.	Shashank Verma* , Vijay Kumar Singh, Vipul Chaudhary, P K Mishra, Ankit, S N Tiwari, V K Roshan, Mo. Akram (2024) Millets As A Value -Added Product: A Review. Plant Archives Vol. 24, Special Issue (GABELS), 2024 pp.468 -473	**5.59**
9.	Vijay Kumar Singh, Shashank Verma, Vipul Chaudhary, Vikas Kumar Singh, Shivam, Sanjay Kumar Singh, Amit Shukla, Ambikesh Yadav (2025) Moisture-Dependent Some Physical Properties of Selected Food Grains. *Environment and Ecology* 43 (1A): 282 - 288, Article DOI: https://doi.org/10.60151/envec /NMFI3237.	5.25
10.	Vijay Kumar Singh (2025) Assessing packaged food durability using environmental simulation models. *International Journal of Horticulture and Food Science*2025; 7(3): 09-11. DOI: https://www. doi.org/ 10.33545/ 26631067.2025.v7.i3a.272	4.74
11.	Vijay Kumar Singh (2025) Development of a Microwave -Based Protocol for Efficient Dehydration of Ginger Slices. *Asian Journal of Current Research* . Volume 10, Issue 1, Page 237-242, 2025; Article no.AJOCR.12841.	4.78
12.	Vijay Kumar Singh (2025) Inve stigating the Moisture Sorption Behavior of Biscuits under Controlled Humidity Conditions. *Journal of Advances in Food Science & Technology*. Volume 12, Issue 2, Page 13 -19, 2025; Article no.JAFSAT.12837.	3.66

1.	Satyam Singh, Vijay Kumar Singh, Pramod Kumar Mishra, Manish Kumar, Vipul Chaudhary, Shashank Verma and Pawan Singh (2025) Efficacy of Moisture Content on Frictional Properties of Food Grains. *Journal of Scientific Research and Reports*, Vol. 31, Issue 6, 412-421.	5.15
2.	Sachin Ghanghasa, Nitin Kumar, Sunil Kumar, Vijay Kumar Singh (2024) Advancement in measurement and AI-driven predictions of maturity indices in kinnow (Citrus nobilis x Citrus deliciosa): A comprehensive review. *Food Physics* 2 (2025) 100026. https://doi.org /10.1016/j.foodp.2024.100026.	-
3.	Lalit Kumar, Ankit Pawaliya, Shivam, Manish Kumar, Prabhakar Shukla, "Role of Artificial Intelligence in agriculture: A Comprehensive Study for Modern Agriculture", International Journal of Statistics and mathematics, 2025.	4.49
4.	Ankit Pawaliya , Lalit Kumar, Shivam, Manish Kumar, Vipul Chaudhary, "Solving Agricultural Challenges through Mathematical Optimization and Simulation", International Journal of Statistics and mathematics, 2025.	4.49
5.	Singh, N. K., Dogra, B., Manes, G. S., Parihar, D. S., Salem, A., & Elbeltagi, A. (2024). Effect of the spading machine on various soil parameters at different tillage depths. Sustainability, 16(11), 4334.	9.30
6.	Lalit Kumar et al. "Ai Ophthalmology: A Deep Learning Fusion for Detecting Retinal Disorders", 2025 International Conference on Communication, Computer Science and Engineering (IC2SE), IEEE, 2025.	-
7.	Ankit, Shivam, Ram Jeet Singh, Mo Akram, Sarvda Nand Tiwari (2024) "Analysis of rainfall pattern over Ambedkar nagar district in Uttar Pradesh' Plant Archives, Vol. 24 pp.735-741.	**5.59**
8.	Sakshi Dixit, Vikas K. Singh, Shivam, Ankit (2024) 'Comprehensive Review of Crop Water Requirement Estimation Techniques: Approaches, Challenges, and Future Directions' *International Journal of Environment and Climate Change, Vol 14, 11 (664-670)*	**5.13**
9.	Joshi, B., Singh, V. K., Vishwakarma, D. K., Ghorbani, M. A., Kim, S., Shivam, Mattar, M. A. (2024). A comparative survey between cascade correlation neural network (CCNN) and feedforward neural network (FFNN) machine learning models for forecasting suspended sediment concentration. Scientific Reports, 14(1), 10638.	**9.8**
10.	Prabhat K Guru, Parmanand Sahu, Prabhakar Shukla.A critical review on rice cultivation and mechanization level in Indian perspective Results in Engineering Vol 26, June 2025, 105632	**12.00**
11.	Kishan Kumar Patel, Rajesh Kumar Naik, Rahul, Rajaram Potdar, and Prabhakar Shukla. Optimizing Axial Flow Finger Millet (Eleusine coracana L.) Thresher for Efficient Performance: A Taguchi Orthogonal Array Approach Journal of Agricultural Engineering (India) 62(2) 1-14, 2025	**5.85**
12.	Abhishek Pandey, Shubham Chaudhary, Prabhakar Shukla, Abhishek Upadhyay. Mechanization of millet cultivation: Status, technological innovations and future directions International Journal of Research in Agronomy 2025; 8(5): 383-395	**5.20**
13.	Lalit Kumar, Ankit Parwaliya, Shivam, Manish Kumar, Prabhakar Shukla. Role of Artificial Intelligence in agriculture: A Comprehensive Study for Modern Agriculture International Journal of Statistics and mathematics 2025	**4.49**
14.	Krati Goel , Archana Kushwaha , Anuradha Dutta , Satish Kumar Sharma , Navin Chandra Shahi , Dinesh Chandra Joshi , Anuradha Bhartiya and Pranshi Gupta (2025) Impact of bio -processing treatments on the nutritional and anti -diabetic enzyme inhibitory properties of black wheat, barnyard millet, and black soybean. Frontiers in Nutrition. DOI 10.3389/fnut.2025.1554993.	**10.0**
15.	Ashutosh Mishra1, Ramesh Pal, Swati Singh, N.C. Shahi, Shivani Baliyan and Gargi Shekhar (2025) Need, Scope And Development Of Battery- Operated Sensor Based Sugarcane Cutting System For Planter. International Journal of nvironmental Sciences ISSN: 2229-7359 Vol. 11 No. 4.	-

b. Books Published

S.No.	Title
1	Shivam, Himanshu, S. K., & Gupta, P. K. (Eds.). (2024). Agri -Tech Approaches for Nutrients and Irrigation Water Management. CRC Press.
2	Rupal Jain, Prabhakar Shukla, V K Bhargav. Current approach in regenerative agriculture Krishi Chinhaari Agrivision, Chapter 14, page no.-126-133

c. Book Chapters

S.No.	Title
1	Singh, V. K., Tiwari, K. N., Shivam., & Singh, V. K. (2024). Protected Cultivation: Microclimate-Based Agriculture Under Greenhouse. In Agri -Tech Approaches for Nutrients and Irrigation Water Management (pp. 328 -339). CRC Press.
2	Lalit Kumar, et al. "Decodin g Human Activities: Algorithms, Frameworks, and Challenges in Recognition Systems." Neural Network Advancements in the Age of AI. IGI Global Scientific Publishing, 2025. 403-432.
3	Lalit Kumar, et al. "Navigating Truth and Fict ion- Generative AI's Role in Modern Media Literacy." Modern Media Literacy: Generative AI, Social Media, and the News. IGI Global Scientific Publishing, 2025.

COLLEGE OF COMMUNITY SCIENCE

Dr. Sadhna Singh, Dean

The college started as a department in 1986 with B.Sc. Home Science degree programme at College of Agriculture, N.D. University of Agriculture and Technology, Kumarganj, Ayodhya. The Department was upgraded to college on 20 August 1993 and shifted to present building on 17th July 2002. Further with the recommendation of 5th Deans Committee the College was renamed as College of Community Science in 2020. The college has five departments namely, Food and Nutrition, Human Development and Family Studies, Resource Management and Consumer Science, Apparel & Textile Science and Design and Extension Education & Communication Management

Presently College offers M.Sc. Degree programme in all the five departments and Ph.D. Degree in Food and Nutrition, Human Development & Family Studies and Resource Management & Consumer Science. In the session 2022-23 a new graduation degree programme i.e., B.Sc. (Hon), Food Nutrition and Dietetics was started.

i. New Faculty Added:

Assistant Professor	Associate Professor	Professor
05	04	-

ii. New Students Admitted during the year 2024-25

UG	PG	Ph.D.
31	01	05

Total Number of Students in Under Graduate						
I st Year		II nd Year		III rd Year	IV th Year	Total
*CS	**FND	CS	FND	CS	CS	
17	14	11	08	4	15	69

Total Number of Student in PG and Ph.D.		
Name of the Department	**M.Sc.**	**Ph.D.**
Food and Nutrition	02	07
Human Development and Family Studies	01	05
Family Resource Management and Consumer Science	01	02
Total	**04**	**14**

* Community Science ** Food Nutrition and Dietetics

iii. Total students' strength in UG, PG and Ph.D. Programme during the year 2024-25

Under Graduate	Post Graduate	Ph. D.
69	04	14

iv. Teaching activities : ELP/RAWE Programme

RAWE was conducted at village Sidhauna, Kumarganj. All the departments actively participated in this programme and organized various activities and skill-based trainings to the villagers specially focused on women and adolescence girls. This programme aimed to nurture their confidence and entrepreneurial mindset, enabling them to start small home-based enterprises and become sustained earners for their families.

v. Strengthening of Infrastructure

- One new Smart classroom is established to bridge technological gaps and improve teaching learning procedure.
- Laboratory Nursery School is established in the Department of Human Development and Family Studies.
- Establishment of Textile CAD Lab.

vi. Research Achievements:

A. Patent Filed and Granted

S.No.	Detail of patents	Type	Name of Members	Date of Filing Patent	Date of Grant of patent
1.	Device for Real-Time Emotional Regulation	**Design Patent/** Patent No. : 447362-001	1.Dr. Ragini Mishra 2. Dr. Shweta Sachan 3.Dr. Harshita Bisht 4.Dr. Dhirendra Kumar 5.Dr. Shabnam Ansari	08/02/2025	01/05/2025
2.	Emotion Monitoring Smart Mirror	**Design Patent/** Design No. : 449934-001	1.Dr. Ragini Mishra 2. Dr. Shweta Sachan 3.Dr. Harshita Bisht 4.Dr. Dhirendra Kumar 5.Dr. Shabnam Ansari	28/02/2025	08/05/2025
3.	Hormone-Tracking Device	**Design Patent/** Design No. : 445617-001	1. Dr. Ragini Mishra 2. Dr. Shweta Sachan 3. Dr. Harshita Bisht 4. Dr. Dhirendra Kumar 5. Dr. Shabnam Ansari	25/01/2025	05/06/2025
4.	Microclimate Controlling Seat Cushion	**Design Patent/** Design No. : 449933-001	1. Dr. Harshita Bisht 2. Dr. Sandhya Rani 3.Dr. Ragini Mishra 4.Dr. Dhirendra Kumar	28/02/2025	16/06/2025
5.	Ergonomic Wearable Exoskeleton for Desk Workers	**Design Patent/** Design No. : 453082-001	1. Dr. Sandhya Rani 2. Dr. Harshita Bisht 3. Dr. Ragini Mishra 4. Dr. Dhirendra Kumar	26/03/2025	Application Accepted
6.	A method for preparation of kohlrabi pickle and the resulting product thereof.	(Indian Patent Application No. 202511049825)	Kaur G, Sharma S, Sharma A, Sharma I, Kaur I, Pandey P, Pandey K, Singh J, Tripathi A, Maurya N K.	27/06/2025	Submitted & Published

7.	**Herbal Soap**	Patent Design/Patent No:439505-001	1.Miss: Priti 2.Dr. Poonam Singh 3.Prof. Sadhna Singh 4.Dr. Pratiksha Singh 5.Dr. Preeti Singh 6.Dr.Atul Yadav	04/12/2024	06/03/2025
8.	**Foot rest for Tailors**	Patent Design/Patent No: 441246-001	1.Miss Alisha Aftab 2.Dr. Poonam Singh 3.Prof. Sadhna Singh 4.Dr. Pratiksha Singh 5.Dr. Preeti Singh 6.Dr. Babita Verma 7.Miss Sandhya Yadav	19/12/2024	12/03/2025
9.	**Grass Reinforced Carry Bag**	Patent Design/Patent No: 441099-001	1.Miss:Swapnil Singh 2.Dr. Poonam Singh 3.Prof.Sadhna Singh 4.Dr.Atul Yadav 5.Dr. Preeti Singh 6.Dr. Dev Raj Singh 7.Prajjwal Agnihotri	18/12/2024	06/02/2025

B. Research Projects Under Operation and Submitted

S. No.	Name of Research Projects and PI	Ongoing / Submitted	Budget (in Lakhs)	Date of Submission / Duration	Funding Agency
1.	**Dr Sadhna Singh** Establishment of Agriculture Technology Park (Co-PI)	**Ongoing**	472/-	2020	RKVY
2.	**Dr Sadhna Singh** Collection and evaluation of millet germplasm for Improvement and value addition: Focus central- East. UP. (Co-PI)	**Ongoing**	56.12/-	2024	UPCAR
3.	**Dr Sadhna Singh** Development of model farm for Agri. Tourism. (Co-PI)	**Ongoing**	427.65/-	2024	RKVY

4.	**Dr Pragya Pandey** Development & Evaluation of pearl millet-based ready to cook products for commercial purpose	**Ongoing**	30.13/-	Sanctioned (2025-2027)	UPCAR
5.	**Dr Pragya Pandey** Modernization of food and nutrition labs for advancing post-harvest solutions and regional market integration	**Ongoing**	279.50/-	Sanctioned (2025-2027)	PM-RKVY
6.	**Mrs Sarita Srivastava** Development of low- cost value-added products from paddy straw to minimize pollution	**Ongoing**	24.93/-	3 years	UPCAR
7.	**Dr Anisha Verma** Nutri-Smart Village: A Comprehensive Approach for Preventing Malnutrition among Preschool Children through Value Addition and Strategic Interventions	**Ongoing**	32.28/-	30/6/2025	UPCAR
8.	**Dr Anisha Verma** In vitro digestibility and functional properties of formulated extruded and bakery food products enriched with bioactive ingredients	**Ongoing**	49.40/-	31/01/2025	SADP
9.	**Dr Mamta Kumari** Unlocking Hidden Harvests: Market Exploration and Product Innovation for Underutilized Crops	Submitted	51/-	31/03/2025	DST (SYST Scheme)
10.	**Dr Tripti Verma** Biodegradable Edible Cutleries: An Innovative Approach to Reduce Agro Waste Plastic use & combat Malnutrition	Submitted	49/-	31/03/2025	DST (SYST Scheme)
11.	**Dr Tripti Verma** Combating maternal and child malnutrition through Nutri Smart villages: A GIS and ICT- based model for rural health	Submitted		3/2/2025	UPCAR

12.	**Dr Tripti Verma** Formulation of herbal soup premix by utilization of Mushroom powder to treat polycystic ovarian syndrome	Submitted		31/01/2025	UPCST
13.	**Dr Mamta Arya** Development of Sustainable Natural Dyes for Textile Purposes by Exploring Underutilized Plants of Uttar Pradesh	Submitted 25.01.2025	23/-	2 Years	UPCST
14.	**Dr Zeba Jamal** Development of Eco- friendly antimicrobial Cotton Textiles Using Bioactive Plant Extracts found in Eastern Uttar Pradesh.	Submitted 25.01.2025	2	2 years	UPCST

xii. Awards to College/Faculty

S.No.	Name of Teachers	Name of Award	Awarding Agency
1.	Prof. Sadhna Singh	Special Scientist Award	UPCAR
2.	Dr. Anisha Verma	Special Scientist Award	UPCAR
3.	Dr Ragini Mishra	Young Scientist Award	UPCAR
4.	Dr. Tripti Verma	Best Ph.D. thesis Award	UPCAR







Student Achievements :

- Kamya Awasthi. I.D.No C-12153/21 Qualified IELTS Examination and got admission at Sheffield Hallam University, Howard Street, Sheffield S1 1WB in M.Sc. Nutrition and Public Health Management.
- No of Students Qualified UGC NET: 01

Extension Activities :

- College participated in Pradeshik Phal, Sakbhaji Avam Pushp Pradarshni - 2025 held at Raj Bhawan, Lucknow from 7th-9th Feb,2025.
- College organized '**Har Ghar Tiranga**' Programme in 8 villages of Milkipur Vidhan Sabha.



Faculty showcasing various 'handmade articles' to the visitors during exhibition at Raj Bhawan, Lucknow on 08.02.2025



'Har Ghar Tiranga' Programme on 14th August 2024 at Milkipur

- Celebrated Kakori Train Action Centenary Day and organized painting competition on 8th August 2024.
- Department of Apparel and Textile Science organised essay and slogan Competition on the occasion of National Handloom Day. Students showcased their creativity and knowledge



Painting Competition on the occasion of Kakori Train Action Centenary Day on 08.08.2024



Glimpse of Slogan & Essay Competition organized on the occasion of 'National Handloom Day' on 07.08.2024

- College participated in large scale 'plantation drive' at University Sports Ground and also organized various plantation programme at 8 villages of Milkipur Vidhan-Sabha under the programme “EK PED MAA K NAAM”
- Department of Human development and Family Studies organized an awareness programme on 'prevention of world suicide day' at adopted village and college campus to educate the young generation about the impact of suicide on their life, family and society.



Plantation drive organized by college at College Campus & at Mohali Village



Awareness programme at Chandrabali Singh Smarak P.G. College, Kumarganj, Ayodhya on 10.09.2024

- College participated in an exhibition as per the order of Honourable Governor U.P. on the occasion of 'International Yaga Day- Yoga for One earth one Health' with theme 'Prakratika Mahatva: Ek Gyanvardhak Pradarshini'(Pedon ki Upyogita per Pradarshini) on 21.06.2025 at university sports ground.
- College organized a training programme for school children on millets on, 28.9.2024. on the occasion of Nutrition Month. The programme was jointly organized by Dept. Of Food and Nutrition and Dept. Of Human Development and Family Studies.
- International Child Safety Day was celebrated on 1st June 2025 at Village Sidhauna, Kumarganj, Ayodhya.
- College organised World Day Against Child Labour on 12th June 2025 at Village Pithla, Kumarganj, Ayodhya .
- Dept. of Human Development and Family Studies organized training programme on the occasion of International Breast Feeding Week at Village: Bahubada, Vikas Khand: Kudwar, District: Sultanpur on 04.08.2024.
- Dept. of Food and Nutrition conducted practical demonstration on preparation of supplementary foods for babies under National Nutrition Week (1-7th September 2024).
- Dept. of Human Development and Family Studies Organized Childerns' Day Programme at College of Community Science auditorium on 14.11.2024.
- "*Padhe Vishwavidyalaya Padhe Mahavidyalaya"* programme was organized at College of Community Science on 20th December 2024 in which faculty alongwith students participated in book reading session.



Glimpse of "*Padhe Vishwavidyalaya Padhe Mahavidyalaya"* programme at Community Science College on 20th December 2024

ACTIVITIES ORGANIZED BY WOMEN STUDY CENTRE

Members of Women Study Centre jointly organized the following programmes on various occasions :

S.No	Activity	Date	Venue
1.	Awareness Programme on Women and Girl Empowerment Scheme	13.12.24	Pithla
2.	Skill Development Training	18.01.25	Bheekhanpur
i	Preparation of weaning food		
ii	Techniques of Fabric Printing		
3	Skill Development Training	01.02.25	Sidhauna
i	Preparation of Jute Products		
ii	Preparation of Teaching Learning Aid		
4	International Women Day Celebration		
i	College Level -Speech and Drama Competition	01.03.25	Auditorium, Community Science
ii	University Level Speech and Drama Competition	02.03.25	Auditorium, Community Science
5	"Padhe Vishwavidyalaya Padhe Mahavidyalaya" Programme	07.03.25	Pithla
6	International Yoga Day Programme	21. 06.25	Sidhauna
			Pithla
7	Exhibition Conducted		
i	Exhibition in 48th Vice Chancellors Convention, ANDUAT, Ayodhya	13.02.25	ABM Ground
ii	Exhibition on International Women Day	08.03.25	COCS
iii	Exhibition in Awareness Programme on POSH act and cyber security, National Women Commission	10.04.25	COCS
iv	Exhibition in Visit of Deputy C.M. Bihar	09.06.25	ABM Auditorium

Workshop / Training / Seminar organized by College

- Department of Human Development and Family Studies organized one week training programme on the occasion of World Breast Feeding Day.
- Department of Food and Nutrition organised four days training programme on 23.11.2024 under ATMA project jointly with Prasar Nideshalaya, ANDUAT on millet production, processing, and value addition.



Exhibition at ABM Ground on the Occasion OF 48TH Vice Chancellors Convention on 13.02.2025



Farmers and faculty of Food & Nutrition after training

- Department of Human Development and Family Studies organised Two Days Seminar on "सशक्त महिला सशक्त राष्ट्र" from 7-8th march 2025. Dr. Suman Bhanot, Former Dean COCS, graced the occasion with her presence as a chief guest of the Programme .
- National Seminar on 'Rice Fortification a national strategy to address Nutritional Anaemia' organized by Department of Food and Nutrition, Acharya Narendra Deva University of agriculture and technology, World Food Program and Baba sahib Bhim Rao Ambedkar Vishwavidyalaya, Lucknow on 26.10.2024.
- National Seminar on 'Community Health Issues' organized by Department of Extension Education and Communication Management, Acharya Narendra Deva University of agriculture and technology on 08.11.2024.

Conference/ Seminar/training attended by the faculty

1. Dr Ragini Mishra. Associate professor, Department of Human Development and Family Studies presented a paper on the topic "*Family structure and mental health of young adults"* at 2nd International Conference on Emerging Trends in STEM & Health-Agri Sciences for Sustainable Development, MIET Kumaon, Haldwani, Uttarakhand, India held from February 21–22, 2025.
2. Dr. Ragini Mishra Asso. Prof., Department of Human Development and family studies participated and presented a lead lecture in International Seminar on "Yoga and Diet Therapy for Psychological and Life Style Disorders" on 16th June, at Auditorium, College of Community Science, Organized by DSW Office, ANDUAT, Kumarganj, Ayodhya (U.P.)
3. Dr. Zeba Jamal, Asstt. Prof., Department of Apparel and Textile Science, College of Community Science participated and presented a lead paper in 1st International Conference "Innovations to Achieve Climate Resilient Smart Agriculture for Ensuring Global Food & Nutritional Security" on 18-19 Nov 2024 held at ICAR- Indian Institute of Sugarcane Research, Lucknow, U.P.
4. Dr. Prachi Shukla, Assistant Prof., Department of Human Development and Family Studies participated and delivered oral presentation in 1st International Conference "Innovations to Achieve Climate Resilient Smart Agriculture for Ensuring Global Food & Nutritional Security" on 18th-19th Nov., 2024 held at ICAR-Indian Institute of Sugarcane Research, Lucknow, U.P.
5. Dr. Prachi Shukla, Asstt. Prof., Department of Human Development and Family Studies participated and presented a paper in 8th International Conference on "Recent Trends in Advancement of Agriculture, Horticulture, Livestock and Allied Sciences" on 21st-22nd Nov. 2024.
6. Dr Vibha Parihar, Asstt. Prof., Department of Apparel and Textile Science, attended 30days international agriculture winter school cum-training programme on Novel Approaches in Agriculture System from 1-30 march 2025 organised by ICAR-ATARI (II Zone) & All Krishi Vigyan Kendra held at Hindustan Krishi Anisandhan Bhawan, NH-24, Delhi Road, Moradabad. U.P.

Publications: Research Papers/ Book Chapters/ Books/ articles

Research Papers:

S. No	Title	NAAS Rating
1.	Pandey, M., Singh,S., Singh, P., Joshi, N., Kumar, M., Rathor, A. (2024). Optimization of organoleptically acceptable and nutritious instant finger millet (Ragi) Cake for menopausal women. African Journal of Biological Sciences (14):12631-12645.	Web of Science
2.	Dixit, G., Singh, S., Verma, T., Chaudhary, S., Singh, S., Singh, U. (2024). From classic mainstay to modern super food: An extensive analysis of millets functions in contemporary diets. African Journal of Biomedical Research, 27 (6):793-804	Scopus Indexed Q4
3.	Verma , T. et al. (2024) From classic mainstay to modern superfood: An extensive analysis of millets function in contemporary diets. African Journal of Biomedical Research, 27(6S): 793-804	Scopus Indexed Q4
4.	Tomar, V., Varghese, N.S., Yadav, R., Kaur, J., Aggarwal, K., Sharma, R., Pandey, P. (2025) Anti-diabetic potential of selected fruit and vegetable waste - an appraisal of current literature. International Conference on Recent Advances in Waste Minimization and Utilization (RAWMU-2024). Bulgarian Chemical Communications, 57(B):201-227.	Scopus Indexed Q4
5.	Pandey, P., Grover, K., Dhillon, T. S., Chawla, N., Kaur, A. (2024) Development and quality evaluation of polyphen ols enriched black carrot (*Daucus carota* L.) powder incorporated bread. Heliyon 10(3)	Scopus Indexed
6.	Tomar, P., Verma, A., Neeru Bala (2025) Sensory and nutritional assessment of sweet potato based soup mix enhanced with drumstick and herb. International Journal of All Research Education and Scientific Methods, 13(2):41-45.	UGC approved Impact Factor: 8.536
7.	Kumari, M. 2024. Management of Protein Energy Malnutrition through supplementary foods in pre-schoolers. International Journal of Applied Home Science. 11(7&8): 320-324	NAAS: 3.66
8.	Kumari, M. 2024. Building Resilience and Confidence among Rural Women through Skill Development Training. International Journal for Innovative Research in Multidisciplinary Field. 10(52):88-93.	UGC approved Impact Factor: 9.47
9.	Chaudhary, S., Singh, S., Verma, B., Yadav, A. (2024) Importance of maternal nutrition and its effect on child development: A criticalreview. International Journal of Creative Research Thoughts, 12(6). 147-154	_
10.	Verma, B., Chaudhary, S., Singh, P., Arya M. (2024) Gender participation in decision making of farm activities - A comparative study. International Journal of Creative Research Thoughts, 12(6).	-
11.	Poonam Singh et al., (2024). Urbanization and Its Environmental Impact: Challenges and Mitigation Strategies. The Bioscan: An International Quarterly Journal of Life Sciences. 20(1) : 291- 295, 2025	Scopus Indexed
12.	. Poonam Singh, Babita Verma, Preeti Singh, Vibha Parihar and Poonam Singh (2024). An Exploratory Study on Sustainable Resource Management Practices adopted by Rural Households in Ayodhya (U.P.), Journal of Information Systems Engineering and Management. 09(4): 2468-4376.	NAAS: 2.64
13.	Preeti Singh, Manpreet Kalsy and Swapnil Singh (2024). Occupational Health Challenges faced by Chikankari Artisans in India. Quaderns Journal. ISSN No. 1138-5790 12(12): 309-319.	Scopus Indexed Q3
14.	Babita Verma, Poonam Singh, Mamta Arya, Vibha Parihar, Poonam Singh and Chethan R (2024), 'Assessment of floor cleaners on existing floor surfaces in Ayodhya district of Uttar Pradesh'. Journal of information system engineering and management, Vol. 9(4s) pp:528-534.	2.64

15.	Shweta Chaudhary and Babita Verma (2024). Nutraceutical potentials of millets (Shri-Annam): An overview. Agricultural Reviews.	4.84
16.	Chethan R, Poonam Singh, Babita Verma and Piyush K. Singh (2025), 'To study the existing situation of farm wastes in Ayodhya District'. International Journal of Creative Research Thoughts (IJCRT) Vol.13 (6) pp:896-909	-
17.	Swapnil Singh, Preeti Singh, Ajay K. Baheliya, Anjali Srivastava and Archana Yadav (2024). Impact of Globalization on Consumer Food Behaviour : A Comprehensive Review. Archives of Current Research International. 24(6): 308 - 314.	5.13
18.	Garima Singh and Manpreet Kalsy (2024) Banana Fiber Waste: Potential and Utilization. *International Journal of Creative Research. and Thought*. 12 (6).	-
19.	Garima Singh (2024) The Rise of Green and Sustainable Clothing: A Moat for Brands in the Age of Millennials and Gen Z. Journal of the Textile Association.	-
20.	Garima Singh and Ragini Dubey (2024) Empowering Women through Macrame Craft Training. *International Journal of Current Research and Academic Review*. 12 (6).	3.92
21.	Godara, S., Mishra, R., Rani, S., Sangeeta, Gill, P., & Kaur, R. (2025). The unseen stress: Evaluating mental health of working and non-working mothers. *Gradiva Review Journal, 11*(6), 1–10. *(Corresponding author)*	Scopus Indexed
22.	Manizia, L., Mishra, R., Bisht, H., & Kumar, D. (2025). Understanding the roots of gender-based violence: Insights from young adults across socio-demographic groups. *STAPS Journal, 11* (5),864–870. https://doi.org/24.20089/STAPS.2025.V11.5.01822 *(Corresponding author)*	Scopus Indexed
23.	Godara, S., Mishra, R., Rani, S., Sangeeta, Gill, P., & Kaur, R. (2024).Does age affect mental health of working and non -working women. *African Journal of Biomedical Research, 27* (4s), 15484–15487. https://doi.org/10.53555/AJBR.v27i4S.7716 *(Corresponding author)*	Scopus Indexed
24.	Srivastav, S., Singh, A., & Shukla, P. (2025). Assessment of soc io-economic profile and reproductive health knowledge among rural women of Ayodhya district*European Economic Letters, 15*(2), 3450–3453.	Scopus Indexed
25.	Shukla, P., Singh, A., Srivastav, S., Mishra, R., & Sachan, S. (2025). Maternal and child health awar eness and traditions among rural women in Ayodhya: A study on reproductive health, nutrition and traditional beliefs. *Quaderns Journal, 13*(5), 108–114.	Web of Science
26.	Ranjana, Maurya, S. P., Srivastava, S., & Yadav, A. (2025). Nutritional status of undergraduate college students of A.N.D.U.A.&T. Kumarganj, Ayodhya, Uttar Pradesh. *African Journal of Biomedical Research, 28*(2s), 1669–1671.	Scopus Indexed
27.	Meena, A., Shukla, P., Singh, A., Pandey, R., & Srivastav, S. (2025). Does self-esteem affect social a djustment during adolescents: A review. *Journal of Informatics Education and Research, 5*(2), 918–938.	-
28.	Maurya, S. P., Shukla, P., Srivastav, S., & Singh, A. (2024). Job involvement among ICDS scheme functionaries in India: Assessing extension needs for enhanced performance. *Journal of Scientific Research and Reports, 30*(10), 428–434.	5.17
29.	Meena, A., Jamal, Z., Shukla, P., & Singh, A. (2024). A study on academic decision making of young adults in relation to parental control. *Journal of Scientific Research and Reports, 30*(8), 119–127.	5.17
30.	Verma, R., Jamal, Z., Shukla, P., & Pandey, R. (2024). Awareness about government scheme of maternal nutrition among urban area. *European Journal of Nutrition & Food Safety, 16*(8), 60–67.	5.14

31.	Anjali, Jamal, Z., Shukla, P., & Singh, A. (2024). Effect of psychological stress on the general health of young adult girls. *Archives of Current Research International, 24*(10), 1–7.	5.13
32.	Mamta Arya and Garima Singh (2024) Green Mordanting: Utilizing Sericin from Silk Waste in Dyeing of Cotton Fabric. Afr. J. Biomed. Res. 27(4s) 1583-15988.	Scopus Indexed
33.	Mamta Arya and Anita Rani (2025). Value addition of *Dhaincha* (*sesbania aculeata*) fibers through dyeing with synthetic dyes. *STAPS Journals*.11(6).688-695.	Scopus Indexed
34.	Parihar, V. (2024). Development of socio-economic condition of trainees of private training centre in Faizabad district (U.P.) regarding tailoring. Extension Journal: International Journal of Agriculture Extension and Social Development, 7(SP -9), 14–15	5.04

Book Chapters:

1. Shukla, P., Singh, A., Srivastav, S., et al. (2025). Adulthood: Developmental and theoretical perspectives. In K. Begum, B. L. Sahu, & S. A. Mahajan (Eds.), Human development and family studies (pp. 87–108). Emerald Publishing House. ISBN: 978- 93-95345-79-8
2. Singh, A., Shukla, P., Srivastav, S., et al. (2025). Marriage: Legal provisions, laws, adoption, divorce and inheritance. In K. Begum, B. L. Sahu, & S. A. Mahajan (Eds.), Human development and family studies (pp. 134–158). Emerald Publishing House. ISBN: 978-93-95345-79-8
3. Srivastav, S., Singh, A., Shukla, P., et al. (2025). Innovative programmes in early childhood and education. In K. Begum, B. L. Sahu, & S. A. Mahajan (Eds.), Humandevelopment and family studies (pp. 38–52). Emerald Publishing House. ISBN: 978- 93-95345-79-8.
4. Mishra, R., Kumar, D., Sachan, S., Godara, S., & Bisht, H. (2025). Gender studies: Discrimination indicators and developmental indices. In J. Sihag, R. Karnwal, B. L. Sahu, S. Singh, & Vaishali (Eds.), *Family and human development: An interdisciplinary approach* (1st ed., pp. 134-147). Elite Publishing House.
5. Mishra, R., Godara, S., Sachan, S., Kumar, D., & Bisht, H. (2025). Family dynamics: Theoretical framework and socialization process. In J. Sihag, R. Karnwal, B. L. Sahu, S. Singh, & Vaishali (Eds.), *Family and human development: An interdisciplinary approach* (1st ed., pp. 148-167). Elite Publishing House.
6. Sachan, S., Mishra, R., & Verma, T. (2025). Family dynamics: Theoretical framework and socialization process. In J. Sihag, R. Karnwal, B. L. Sahu, S. Singh, & Vaishali (Eds.), *Family and human development: An interdisciplinary approach* (1st ed., pp.148–167). Elite Publishing House.
7. Anuradha, Mishra, R., Srivastava, A., & Sachan, S. (2025). Towards a quality care framework for India's aging population. In R. Joshi, T. Pandey, Kusum, & H. Parveen (Eds.), *Aging gracefully: The path to health and happiness* (pp. 25–40). Navya Book House
8. Mishra, R., & Sachan, S. (2025). Adolescents today — Meaning, significance, characteristics, and developmental tasks. In R. Mishra, S. Sachan, H. Bisht, & D. Kumar (Eds.), *Adolescents today: Challenges, risks and resilience* (pp. 1–10). Sura India. ISBN 978-81-987879-4-1
9. Mishra, R., Sachan, S., Bisht, H., & Kumar, D. (Eds.). (2025). *Adolescents today: Challenges, risks and resilience*. Sura India. ISBN 978-81-987879-4-1
10. Mishra, R., & Sachan, S. (2025). Physical and sexual development in adolescence - The transition from child to adult. In R. Mishra, S. Sachan, H. Bisht, & D. Kumar (Eds.), *Adolescents today: Challenges, risks and resilience* (pp. 11–21). Sura India.
11. Mishra, R., & Sachan, S. (2025). Puberty and its psychological implications. In R. Mishra, S. Sachan, H. Bisht, & D. Kumar (Eds.), *Adolescents today: Challenges, risks and resilience* (pp. 22–34). Sura India.
12. Mishra, R., & Sachan, S. (2025). Cognitive development in adolescence — Theories and gender differences. In R. Mishra, S. Sachan, H.

Bisht, & D. Kumar (Eds.), *Adolescents today: Challenges, risks and resilience* (pp. 35–48). Sura India.

13. Mishra, R., & Sachan, S. (2025). Socio-emotional development during adolescence — Emotional transition and patterns. In R. Mishra, S. Sachan, H. Bisht, & D. Kumar (Eds.), *Adolescents today: Challenges, risks and resilience* (pp. 49–62). Sura India

Books:

- Physical Fitness and sports nutrition . Edited by Prof. Sadhna Singh , Akanksha Yadav, Shweta Chaudhary and Pragya Pandey. (2024). Rama Publishing House. Meerut.Pages: 216
- Sorghum millet (Jowar) written by Puja and Sadhna Singh in book entitled Nutracentical Potential of Millets. Volume I . Edited by Ena Gupta, Neelesh Kumar Maurya and Latika Yadav Published by P.K. Publishers & Distributors, Delhi- 110053 ISBN No. 978-841- 973894-5-0. Pg.:169-183.
- Foxtail Millet (Kakum/Kangni). Written by Puja, sadhna Singh and Priya Singh in book entitled Nutracntical potential of millets. Volume II . Edited by Ena Gupta, Neelesh Kumar Maurya & Latika Yadav Published by PP Publishers & Distributers Delhi- 110053. ISBN No. 978-81-473894-5-0. Pg. 144-153.
- Garib ka Chawal : Kodo Guno ka Bhandar. Shweta Sachan, Tripti Verma, and Sadhna Singh (2025) Edited by Jitendra Kumar singh . Pg. 48-51. Book Shree Anna : Prakariti ka Anmol Upchar.
- Sawana Ka Poshan mahatv avam upyog . Puja, Sadhna Singh, Tripti Verma (2025) Edited by Jitendra Kumar Singh pg. 28-30. Book : Shree Anne : Prakariti ka anmol Upchar
- Poshtik super food rejgeera. Tripti Verma, Shweta Sachan, Sadhna Singh, (2025) Edited by Jitendra Kumar singh Pg. 95-98-Book Shree Ann Prakriti sj Anmol upchar.

DIRECTORATE OF RESEARCH

Dr. S.K.Singh , Director Research

The Directorate of Research with its headquarter at 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 seven 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, (Mahrajganj), Zonal Agricultural Research Sub-Station (ZARSS), Baribagh (Ghazipur), CRS, Bahraich, CRS, Ghaghraghat (Bahraich) and ZARS, Tisuhi (Mirzapur).

RESEARCH ACHIEVEMENTS

A. VARIETIES

➢ Varieties Notified in 2024

A total of 10 varieties of Fruits, Spices and Vegetables of the University have been notified under Gazette Notification No. S.O.4917(E). Ministry of Agriculture and Farmers Welfare (Department of Agriculture and Farmers Welfare, New Delhi) on Dated 13 November, 2024.

S. No.	Crop	Year	Name of the Variety
1.	Aonla	2024	Narendra Aonla-25 Narendra Aonla-26
2.	Bael	2024	Narendra Bael-10 Narendra Bael-8 Narendra Bael-11
3.	Turmeric	2024	Narendra Haldi-4
4	Bottlegourd	2024	Narendra Kamna (NDBG-16) Narendra Sita (NDBGH-14-10)
5	Brinjal	2024	Narendra Suyog (NDB White-1)
6	Mustard (Saag)	2024	Narendra Sarson Saag-1

1. Variety Name : Narendra Aonla-25

Developed By: Dr. Bhanu Pratap, Dr. Hemant Kumar Singh, Dr. H. K. Singh, Dr. A. L. Yadav, Sri Nand Lal Sharma

Salient features:

- Early flowering (starts from last week of February)
- Start bearing in 4th year
- Early ripening (November) and earliest among the released varieties.
- Fruit shape- Flattened round.
- Average Fruit yield 34.73 kg/plant, fruit weight 52.76g, stone shape-round and size- small, total number of seed 06, segments-6.
- TSS pulp 11.50^{0}Brix, acidity (0.89%) and vitamin C-545.93 mg / 100 g pulp.



2. Variety Name : Narendra Aonla-26

Developed By: Dr. Bhanu Pratap, Dr. Hemant Kumar Singh, Dr. H. K. Singh, Dr. A. L. Yadav, Sri Nand Lal Sharma

Salient features:

- Early flowering (starts from last week of February)
- Early flowering (starts from last week of February)
- Full ripening in the month of December.
- Fruits Attractive bright green yellow colour with smooth thin skin of complete ripened.
- Fruit shape- Flattened round.
- Average yield/plant is 55.56 kg, fruit weight 45.68g , total number of seed 06, segments-6,
- TSS pulp 10.850Brix, acidity (1.10%) and vitamin C 483.68 mg / 100 g pulp.



3. Variety Name : Narendra Bael-8

Developed By: Dr. Hemant Kumar Singh, Dr. Bhanu Pratap, Dr. A. L. Yadav, Dr. H. K. Singh, Dr. Sanjay Pathak, Sri Nand Lal Sharma

Salient features:

- Compact foliage, less fruit sunscald and very less thorns under subtropical-arid environment and starts bearing in 4th year.
- Drought tolerant, luxuriant growth and higher fruit yield under less precipitation and high temperature.
- Fruit yield (kg)/plant is 108.89kg, fruit weight 1.23 kg, fruit
- Total number of seed 109-130, locules arrangement-scattered, seed cavity 11-13, shell thickness 2.21 mm
- 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
- Moderately frost resistant.



4. Variety Name : Narendra Bael-10

Developed By: Dr. Bhanu Pratap, Dr. Hemant Kumar Singh, Dr. A. L. Yadav, Dr. H. K. Singh, Dr. R.S. Singh, Sri Nand Lal Sharma

Salient features:

- 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.



5. Variety Name : Narendra Bael-11

Developed By: Dr. Hemant Kumar Singh, Dr. Bhanu Pratap, Dr. A. L. Yadav, Dr. H. K. Singh, Dr. Sanjay Pathak, Sri Nand Lal Sharma.

Salient features:

- Grow under rainfed semi-arid environment and starts bearing in 4th year.
- Compact foliage, less fruit sunscald and very less thorns.
- Drought tolerant, luxuriant growth and higher fruit yield.
- Attractive light yellow colour of pulp of complete ripened fruit.
- Moderately frost resistant.
- Fruit yield- fruit yield/plant is 99.60 kg, fruit weight 1.87-2.0 kg.
- Fruit size- elliptical, 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/100g pulp.



6. Variety name: Narendra Haldi-4 (NDH-11)

Developed by: Dr. Pradip Kumar, Dr. V.P. Pandey, Dr. Bijendra Singh, Dr. G. C. Yadav and Shri. R.K. Gupta

Salient features :

- High yielding, good size of Rhizome and highest dry recovery.
- Curcumin content 6.60- 6.67%, oleoresin 11.10- 13.0%, essential oil 6.9-7.1% and dry recovery 19-21%.
- Yield: 35-37 t ha-1
- Reaction to biotic and abiotic stresses: Moderately resistant against foliar diseases.
- Recommended area: Uttar Pradesh



7. BOTTLE GOURD Variety : Narendra Kamna NDBG-16

Developed By: Dr.G. C. Yadav, Dr. Bijendra Singh and Dr. Pradip Kumar Maurya

Characteristics :

- Fruits are light green,
- 35-40 cm length with a fruit girth of 21-25 cm, attractive, cylindrical.
- First picking in about 55-60 days after sowing, tolerant to downy mildew.
- Average yield is about 300 q/ha.
- Recommended for cultivation in Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Karnataka, Tamil Nadu & Kerala.



8. BOTTLE GOURD Variety : Narendra Sita NDBGH-14-10

Developed By: Dr.G. C. Yadav and Dr. Bijendra Singh

Characteristics :

- Attractive, cylindrical without neck which is suitable for market demand.
- First picking after 54 days after sowing, tolerant to downy mildew and fruit fly.
- Average yield of about 310 q/ha. Recommended for cultivation in Uttar Pradesh, Punjab and Bihar.



9. Narendra Suyog (NDB White-1)

Developed By: Dr.G. C. Yadav and Dr. Bijendra Singh

Salient features

- Fruits are white, oblong with cluster bearing, field tolerance to shoot and fruit borer resistant. Average fruit yield is 320 q/ha.
- Resealed for cultivation in U.P., Bihar, Punjab and Jharkhand



10. Variety name Narendra Sarson Sag-1

Developed By: Dr.G. C. Yadav, Dr. Bijendra Singh and Dr. Pradip Kumar

Salient features

- Average biomass yield of 286.54 q/ha with 2-3 cuttings.
- It is preferred to be grown under rabi season.
- The sowing time of this crop is September to November. The average time for first cutting is 43 days.
- Resistant to Alternaria and white rust disease.
- Recommended for cultivation in Uttar Pradesh.



Varieties to be notified in 2025

Proposed variety of Narendra Haldi-5, Narendra Ber-2 and Narendra Bael-17 Identified to State Varietal Release Committee (SVRC) and presented in Central Varietal Release Committee (CVRC) for notification in Year 2025 (F.No. 3-77/2025 SD-Iv, Government of India Ministry of Agriculture and Farmers Welfare, New Delhi, Dated 15 April 2025)

S.No.	Crop	Year	Name of the Variety
1.	Turmeric	2025	Narendra Haldi-5
2.	Ber	2025	Narendra Ber-2
3.	Bael	2025	Narendra Bael-17

1. Variety name: Narendra Haldi-5 (NDH-98)

Developed By: Dr. Pradip Kumar, Dr. V.P. Pandey, Dr. Bijendra Singh, Dr. R.S.Mishra, Dr. C.N.Ram, Dr. Praveen Kumar Maurya and Shri R.K. Gupta

Salient features:

- High yield potential, dark brown colour bold rhizomes.
- Days to maturity-230-240 (Medium)
- Good for dry recovery, curcumin and essential oil. Curcumin (4.3-5.2), zingiberene (21.61 %), β-sesquiphellandrene (14.71%), Oleoresin (11.09-12.97), Essential oil (6.8-7.0), Dry recovery (19-21%)
- Yield: 35-37 t ha-1
- Reaction to biotic and abiotic: Moderately resistant against foliar diseases
- Recommended area: Uttar Pradesh



2. Variety Name: Narendra Ber-2

Developed By: Dr. Hemant Kumar Singh, Dr. Bijendra Singh, Dr. Bhanu Pratap, Dr. R. K. Pathak, Dr. H. K. Singh, Dr. Ratnakar Dwivedi, Dr. A. L. Yadav, Dr. Sanjay Pathak, Sri Nand Lal Sharma, Dr. A. K. Srivastava

Salient features:

- The tree behavior is medium height and semi spreading in nature.
- Stem rough, dark green foliage, petiole length (1.64cm), leaf shape abovate, serrated margin, apex and leaf base rounded, vein prominent shape.
- Calyx colour light green, blooming period September to October.
- Fruit shape oblong, skin colour dark green in unripe stage and in ripe stage greenish yellow, surface ridged, base round, white flesh colour, cavity at stem end depressed, stone surface rough, shape oval, apex obtuse pointed.
- Average fruit weight 36.58g/fruit.
- TSS 16.52%, Acidity 0.22%, ascorbic acid 130-135mg/100g pulp.
- Fruit yield: 80-90kg/plant.



3. Variety Name: Narendra Bael-17

Developed By: Dr. Hemant Kumar Singh, Dr. Bijendra Singh, Bhanu Pratap, Dr. R.K. Pathak, Dr. A. L. Yadav, Dr. H. K. Singh, Dr. Ratnakar Dwivedi, Sanjay Pathak, Sri Nand Lal Sharma, Dr. A. K. Srivastava

Salient features:

- Foliage semi compact, light green colour leaf, lanceolate leaf shape, cuneate leaf base, acute leaf apex, large leaf size, leaf surface smooth, waxy, rectangular bark splitting.
- Mid-ripening (2nd week of March) and mid among the released varieties.
- It is suitable to grow under sub-tropical ecosystem.
- It is highly suitable for powder /juice/ murabba/candy, attractive pulp colour and very less fibre content.
- Moderately frost resistant.
- Fruit colour light at immature stage, deep yellow colour at maturity, pale yellow pulp colour, fruit surface smooth and slightly flat extra extremely sweet test.
- Fruit weight 2.11Kg, skull thickness 2mm, TSS 34.54, Acidity 0.52, mucilage very less, fibre content less, seed shape oblong and medium bearer.
- Fruit yield/plant- 102kg.



B. TECHNOLOGY DEVELOPED/ RECOMMENDED :

AICRP on Spices

- The technology of turmeric has been recommended for Uttar Pradesh: In PROCEEDINGS OF XXXV Annual Group Meeting of ICAR- All India Coordinated Research Project on Spices on 15 October – 17 October 2024 at Choudhary Charan Singh Haryana Agricultural University, Hisar, Haryana.

Technology of priming turmeric seed rhizomes with Trichoprime @ 5% prior to storage is recommended for improving the vigour of rhizome buds, enhancing sprouting, and protecting seed rhizomes from fungal pathogens during storage, resulting in a yield increase of 5.51% compared to chemical treatment, and ensuring uniform tiller emergence while preventing the growth of storage rot pathogens.



AICRP on Medicinal & Aromatic Plants :

- Technology developed for the management of foliar (*Alternaria* leaf spot) and soil borne diseases (*Macrophominaphaseolina*) of sweet basil by collaborative centers (ANDUAT, Ayodhya, BAU, Islampur, JNKVV, Jabalpur, RPCAU Pusa was approved for recommendation. Soil treatment with FYM @10t/ha enriched with talc-based formulations of *Trichoderma harzianum* along with the *Pseudomonas fluorescence* @ 2% each at the time of planting. First Foliar application *Pseudomonas fluorescence* @ 2% at the onset of disease followed by two spray of neem oil @ 0.3% at 15 days interval reduced the disease incidence.
- Developed Integrated Disease Management modules against major diseases (Downy mildew and Bacterial blight/root rot) of opium poppy by collaborative center MPUAT, Udaipur, RVSKVV, COH Mandasaur, NDUAT, Ayodhya was approved for recommendation. Furrow soil application of FYM (500 g/m^2) enriched with *T. harzianum* + *Pseudomonas fluorescence* @ 2 % 4-5 days prior to sowing + seed treatment with Streptocycline sulphate @ 0.03% (300 ppm) and metalaxyl @ 2.5 g/kg followed by on appearance of disease symptom spray of *T. harzianum* + *Pseudomonas fluorescence* @ 0.5 % then second and third spray with Streptocycline sulphate @ 0.03% (300 ppm) and metalaxyl @ 0.25% at 15 days interval found effective in management of downy mildew and collar rot with minimum incidence of 16.42% and 8.88%. This treatment also yielded higher flesh latex yield (27.8 kg/ha), seed yield (848.45 kg/ha) and capsule husk yield with higher morphine content (11.67%) and highest B:C ratio (1:8.68).
- Technology developed for the management of foliar diseases (*Alternaria* and *Colletotrichum* leaf spot) and soft rot of Aloevera approved for recommendation. Soil application of FYM (1.0 kg/m^2) enriched with *Trichoderma harzianum* along with the *Pseudomonas fluorescence* talc-based formulations each @ 2% at the time of planting and onset of disease symptoms three spray of *P. fluorescence* @ 2% pf talc-based formulation and neem oil @ 0.3% reduced disease leaf spot incidence by 76 per cent and soft rot by 43 per cent. It also increased yield to 23 per cent and cost benefit ratio was obtained 5.5.

AICRP on Arid Zone fruits

Recommendation in 28th Annual Group Meeting of AICRP on Arid Zone Fruits held at SDAU, Sardarkrushinagar (Gujrat) from 21-23 June, 2024 :

- Narendra Aonla 7 is recommended for Gujrat and Uttar Pradesh.
- Bael cv. Narendra Bael - 5 and Narendra Bael - 9 are recommended for commercial plantation in Haryana, Gujrat and Rajasthan State.
- Narendra Ber Selection -1 recommended for commercial cultivation in Uttar Pradesh.
- High Density planting in Bael : In bael 25% pruning with 8.0 X 5.0m tree spacing results in the highest yield (45.97kg/tree} compare to control and 50% pruning. Hence 25% pruning with 8 X 5m tree spacing is recommended for commercial cultivation in Uttar Pradesh.

Recommendation in 29th Annual Group Meeting of AICRP on Arid Zone Fruits held at MPKV, Rahuri (Maharastra) from 22-24 August, 2025 :

- Three spray of Metiram 55% + Pyraclostrobin 5% WG @ 0.25% first at disease initiation, second at 20 days and third at 30 days after second spray was found most effective in reducing (76.15%) Alternaria leaf spot disease of bael with increased fruit yield (42.74%) and monetary return (BC ratio 5.85).

2. Observation of Agro-Meteorology during April 2024 to March 2025

- Length of rainy season decreases with delayed onset of monsoon. Onset in 25th met. week (18-24 June) limits the length of rainy season at par with normal rainy season of the area. Delayed commencement beyond 25thmet. week shrinks the rainy season below the average of 105 days.
- Frequency/ intensity pattern of dry and wet spell of this region worked out on the basis of last 30 years rainfall data). The highest frequency of dry spell of 5-7 days interval occurred almost every year in the month of June while dry spell of 8-11 days occurred once in three years, 12-15 days dry spell interval occurred once in every seven years especially in Sept. month which is very sensitive stage of the crop, for moisture.
- Commencement of monsoon if starts in 24th met. week (11-17 June), even the minimum expected rainfall of the year exceeds the normal. As onset gets delayed, the probability of occurrence of mean annual rainfall decreases by 8-9%. 26th week is the cutoff week for occurrence of average rainfall, beyond which (two weeks are more delay) rainfall

occurs below the normal.

- Prolonged dry spell of 13-15 days duration was more frequent in September month followed by July and short duration dry spell of seven days was also frequent in July and September i.e. during tillering and ear emergence stage of rice crop respectively.
- Sensitivity of rainfall variability index in rice was maximum during 3rd week of July to 1st week of August (tillering stage) and 1st week of September (ear emergence stage), rather than total quantum of rainfall during crop period.
- Terminal drought was more frequent (70%) than mid stage drought (20%) in Eastern U.P.
- Frequency of occurrence of three drought weeks followed by two wet weeks(3w2) was maximum(82%) followed by 3w3 or 3w1(45% each).
- 3rd week of July, 1st & 4th week of August i.e. tillering stage were most sensitive weeks for rainfall dependence in rice in the region having climatic effectiveness index value (0.98-0.99) followed by 1st week of September(index value 0.91) i.e. ear emergence stage
- Distribution of rainfall in the area was erratic in nature. Annual variability of rainfall data from 1970-2024 of the eastern U.P. showed significant decline trend over normal since 1984 onwards S-W monsoon rainfall variability of Eastern U.P. from 1970-2024 showed significant decline in monsoonal rainfall over normal.
- NEPZ zone possess the highest rainfall (1270 mm annual) among the three zones of Eastern U.P. Among the district of this region Gorakhpur, Mahrajganj, possess the highest rainfall. The other two regions like EPZ and VZ have the rainfall at par and falls in medium (1120 mm) and low rainfall (1026mm) category.
- Future scenario of rainfall indicates that frequency of terminal drought will be decreasing trend over normal of 70% with increase in early and intermittent drought in all the zones. In NEPZ, there is projection of 7% increase in post monsoon while in EPZ 5% increase in post monsoonal rain (Oct.-Nov.) and 10-12% in summer rain (March-May) is expected in coming years to come. Recurrence frequency of drought occurrence changed from once in 7-8 years to once in 3-4 years in the region.
- The characteristics of rainfall of Eastern U.P. (i.e. onset and withdrawl of monsoon) from 1976 to 2024 reveals that shift of onset of monsoon from 4 to 6 days toward rainy season consequently length of rainy season also shifts on an average 5 to 6 days early. Average number of rainy days is the highest (57 days) in NEPZ.

C. RESEARCH PROJECTS:

Based on the vocational specific problems affecting productivity and farmers needs, the research programmes are formulated by the scientists concerned.

ONGOING PROJECTS : At present **61 research projects/schemes**, financed by various national and international agencies, were in operation in the university during 2024-25.

Sl. No.	Name of Projects	No. of Projects
I.	All India Co-Ordinated Research Projects (75% ICAR share and 25% State share)	18
ii.	Research Project Financed by International Agency	02
iii.	Research Projects Financed by UPCAR	09
iv.	Research Projects Financed by RKVY	04
v.	Research Projects Financed by other National/State Agencies	10
vi.	Non – Plan Projects 100% Financed by State Govt.	18
	TotaL :	**61**

i. All India Co-Ordinated Research Projects (75% ICAR share and 25% State share)

Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
1.	AICRP on Rice Improvement (CRS, Masodha)	9451955851	Dr. S.C. Vimal OIC, CRS Masodha	1976 to cont.
2.	AICRP on Deep Water Rice (CRS, Ghaghraghat)	9934318392	Dr. Mahendra Singh OIC, CRS Ghaghraghat	1976
3.	AICRP on Maize Improvement (CRS, Bahraich)	7404673927	Dr. Manish Kushwaha OIC, CRS Bahraich	1976
4.	AICRP on Integrated Farming System	9415515216	Dr. Neeraj Kumar Yadav, HoD, Agronomy	1976
5.	AICRP on Seed (Crops)	9451955851	Dr. S.C. Vimal Seed Technology	1978
6.	AICRP on Irrigation Water Management	9450766594	Dr. A.K. Singh, Agronomy	1980
7.	AICRP on Vegetable Improvement	9453909227 6388007474	Dr. Ashtik Jha	1980
8.	AICRP on Medicinal & Aromatic Plants	9936888454	Dr. R.S. Mishra	1980
9.	AICRP on forage Crops Improvement	9450766603	Dr. Shambhoo Prasad	1982
10.	AICRP on Wheat & Barley Improvement	7992281425	Dr. Vinod Kumar Singh	1987
11.	AICRP on Arid Fruits	9415720179	Dr. H.K. Singh	1987
12.	AICRP on Agro-forestry	9454932174	Dr. S. K. Verma	1987
13.	AICRP on Potato Improvement	9451205686	Dr. C. N. Ram	1987
14.	AICRP on Agro-meteorology	9450766594	Dr. A.K. Singh, Agronomy	1990
15.	AICRP on Potential Crops	8700808347	Dr. Vikram Jeet Singh Seed Technology	1995
16.	AICRP on Spices	9415475037	Dr. Pradeep Kumar	1995
17.	AICRP on MULLaRP	8736031933	Dr. Akash Gaurav Singh	2001
18.	AICRP on Chickpea	9452276217	Dr. Shiv Nath	2001

ii. Research Projects Financed by International Agencies.

Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
1.	Accelerated Genetic Gain in Rice (AGGRA-Alliance)-Marginal Environment **(IRRI)**	9415720338	Dr. A.K. Singh (Crop Physiology)	2019-20
2	Climate Smart Practices	9415720338	Dr. A.K. Singh (Crop Physiology)	2020

iii. Research Projects Financed by UPCAR

Sl. No	Name of the Project/ Scheme	Mobile No.	Name of PI	Year of Start
1.	Creating System for Small Scale Solar PV System	7814204593	Dr. P.K. Mishra	2022-23
2.	Status acaricide resistance and their mitigation with ethanol botanical in eastern Uttar Pradesh	7906387548	Dr. Amit Singh	2022-23
3.	Development of low cost value added products from paddy straw to minimize pollution	7800740160	Dr. Suman Prasad Maurya	2022-23
4.	Value Chains of major Agricultural Commodities : A lucrative approach for improving livelihood status of farmer's in Uttar Pradesh	9565800912	Dr. Supriya	2022-23
5.	Improving livelihood status in eastern Uttar Pradesh through assessment of average farmer's: An income enhancement approach.	9565800912	Dr. Supriya	2022-23
6.	Collection and evaluation of Millet gerplasm for improvement and value addition: Focus Central-East Uttar Pradesh	9934874800	Dr. Sanjeet Kumar	2023
7.	Improvement of Agromatic Short Grain Rice Landraces of U.P. through Mutation Breeding	7992075842	Dr. Saurabh Dixit	2024
8.	Study on Socio-economic Livelihood of Farmer's through PM Kisan Samman Nidhi in Eastern Uttar Pradesh	8218468846	Dr. Anil Kumar Singh Asstt. Prof. Azamgarh	2024
9.	Physiological and Molecular approaches for Genetic Enhancement of Temperature stress in Wheat.	9450045391	Dr. Alok Kumar Singh (Crop Physiology)	2024

iv. Projects Financed under RKVY

Sl. No	Name of Project	Mobile No.	Name of PI	Year of Start
1	Establishment of Seed Processing Unit in fulfil the demands of quality and production for increasing farmers income.	9451955851	Dr. S.C. Vimal Seed Tech.	2021-22
2	Strengthening of Modernization of Instructional Fish Farm, College of Fisheries, ANDUAT, Kumarganj, Ayodhya	9519104031	Dr. Sunil Kant Verma Vet. College	2021-22
3	Strengthening of 03 KVKs of ANDUAT, Kumarganj, Ayodhya	9839186235	Dr. Anil Kumar, D.E. Office	2021-22
4	Development of different crop residue management practices.	7814204593	Dr. P.K. Mishra Ambedkarnagar	2021-22

v. Research Projects Financed by Other National/State Agencies

Sl. No	Name of Project	Mobile No.	Name of PI	Year of Start
1.	Gramin Krishi Mausam Seva (GKMS) (i) AMFU - Kumarganj, Ayodhya (ii) AMFU- Bahraich Funding Agency - Ministry of Earth Science **(GOI)**	8318503859	Dr. Amar Nath Mishra	1993

2.	Mission Integrated Development of Horticulture **(MIDH)**	9415474728	Dr. Anil Kumar	2005
3.	Centre of Excellence in Rice **(State Govt.)**	9415720338	Dr. A.K. Singh (Crop Physiology)	2018-19
4.	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 lives for biotic stress resistance. **(DBT, Govt.)**	9450768159	Dr. Subash Chandra	2020-21 to 2024-25
6.	Radiation Induced mutagenesis for the improvement of highly aromatic premium rice variety kalanamak **(BARC, Mumbai)**	7992075842	Dr. Saurabh Dixit	2022
7.	Determination of bird assemblages and associated habitat characteristics in protected and unprotected wetlands of Eastern U.P. **(Council of Science and Technology, U.P.)**	9871360055	Dr.UlmanYasmita Nitin	2023-24
8.	"Developing index of biotic integrity (IBI) for assessing ecological health of saryu and gomti rivers of eastern Uttar Pradesh suffering for anthropogenic stresses".	8730854369	Dr. Radhakrishnan K.V.	2024
9.	Screening and evaluation of mustard germplasm for Aletrnaria blight resistance and agronomic traits".	8896286455	Dr. Gagan Kumar	2024
10	Model Floriculture Unit for year around Production (SADP) State Govt.	9140260145	Dr. Sachi Gupta, CHF	2024-25

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

1.	Sodh Scheme (Rice, Masodha)	Dr. S.C.Vimal, OIC, CRS, Masodha
2.	Oil Seed Project	Dr. Sanjeet Kumar, HOD, GPB
3.	Pulses Project	Dr. Akash Gaurav Singh, GPB
4.	Research on Vegetable Crops	Dr. C.N. Ram, HOD, Veg. Science
5.	Research on Crop Physiology	Dr. R.K. Yadav, Crop Physiology
6.	NARP (Adjusted), Kumarganj (Ayodhya)	DAES (Director, Agril. Expt. Station)
7.	NARP (Adjusted), Masodha (Ayodhya)	Dr. S.C. Vimal, OIC, CRS, Masodha
8.	Foundation and breeder seed production unit and Strengthening of seed testing lab.	Dr. Dr. S.C.Vimal , JD (S & F)
9.	NARP (Adjusted), Tissuhi (Mirzapur)	Dr. R.B. Gautam, OIC, ZARS, Tissuhi
10	Sodh Scheme, Tissuhi (Mirzapur)	Dr. R.B. Gautam, OIC, CRS, Tissuhi
11.	Flood Rice Research Scheme : Ghaghragaht (Bahraich)	Dr. Mahendra Singh, OIC, CRS, Ghaghraghat
12.	NARP (H.Q.), Ghaghraghat	Dr. Mahendra Singh, OIC, CRS, Ghaghraghat
13.	Jute Establishment Scheme, Bahraich	Dr. Manish Kushwaha, OIC, CRS, Bahraich
14.	NARP Sub Station-Bahraich	Dr. Manish Kushwaha, OIC, CRS, Bahraich
15.	NARP (Adjusted), Ghazipur	Dr. Dr. Vinay Kumar Chaurasia , OIC ZARSS, Ghazipur,
16.	Sodh scheme, Ghazipur	Dr. Dr. Vinay Kumar Chaurasia,
17.	Production and processing of fruits in usar wasteland	Dr. Sanjay Pathak, HOD, Fruit Science
18.	NARP adjusted Basuli (Maharajganj)	Dr. D.P. Singh, OIC, ZARS, Basuli

D. MoU during 2024-25 :

Memorandum of understanding with following organization		
S.No.	**Name of the Organisation/ Institution/ Industry with whom MoU is signed with ANDUA&T Kumarganj Ayodhya**	**Year of signed MoU**
1.	UP Council of Agricultural Research (UPCAR), Lucknow	2024
2.	UP Council of Agricultural Research (UPCAR), Lucknow	2024
3.	UP Council of Agricultural Research (UPCAR), Lucknow	2024
4.	Umbrella MoU with ICAR-Directorate of Rapeseed mustard Research , Sewar, Bharatpur, Rajsthan	2024
5.	Indian Institute of Agricultural Research Institute, New Delhi	2024
6.	CIMMYT-Borlaug Institute for South Asia (BISA)	2024
7.	ICAR- Indian Institute of Wheat and Barley Research, Karnal, Haryana	2024
8.	The Genomics Foundation	2024
9.	International Centre of Insect Physiology and Ecology (ICIPE)-Nairobi, Kenya	2024
10.	Banda University of Agriculture and Technology, Banda (U.P.)	2025
11.	Sardar Vallabhbhai Patel University of Agriculture and Technology (U.P.)	2025
12.	Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-AnusandhanSansthan, Mathura (U.P.)	2025
13.	ICAR-Indian Grassland and Fodder Research Institute, Jhansi (U.P.)	2025
14.	ICAR-Central Agroforestry Research Institute, Jhansi (U.P.)	2025
15.	ICAR-Indian Institute of Farming Systems Research, Modipuram, Meerut (U.P.)	2025
16.	CSIR-Indian Institute of Toxicology Research, Lucknow (U.P.)	2025
17.	Information and Library Network centre an IUC of University Grants Commission, Infocity, Gandhinagar (INFLIBNET) Centre-for Shodhganga/Shodhgangotri.	2025

E. Details of Patents Published/Granted to ANDUAT, Ayodhya (U.P.)

S. No.	Patent Application No.	Inventor's name	Title of Patent
1.	423726-001	Dr. Naveen Rao, Dr. Suman Devi, Prof (Dr.) Harvinder Kaur Sidhu, Dr. Vikash Chauhan, Dr. Girish Goyal, Dr. Vikas Kumar, Dr. Raveena, Dr. Ritu, Mr. Ankit Gill and Ms. Neha Sharma	AGRICULTURE DRONE FOR MONITORING AND SPRAYING PESTICIDES
2.	202411045479A	Zeenat Aman and Sadhna Singh	CRISPY SAWAN STICKS
3.	202411037624A	Dr. Atul Yadav, Prof. Sanjay Pathak, Dr. Hement Kumar Singh and Dr. Vimlesh Kumar	INGREDIENTS FOR AONLA TEA
4.	413469-001	Dr. Shayma Parveen, Dr. C. S. Dhanai, Mr. Deepanshu, Dr. Atul Yadav and Mr. Sandeep Yadav	AI BASED PLANT LEAF IDENTIFICATION DEVICE
5.	412390-001	Dr.Harikesh, Dr. Vimlesh Kumar, Dr. Manvendra Singh, Dr. Budhesh Pratap Singh and Dr. Atul Yadav	GARLIC CLOVE CLEANING DEVICE
6.	412389-001	Dr. Sanjay Kumar, Dr. Harikesh, Dr. Atul Yadav, Dr. Jay Kumar Yadav, Deepanshu and Dr. Ajeet Kumar.	WEED DETECTION DEVICE

7.	412388-001	Dr. Harikesh, Dr. Dileep Kumar Tiwari, Dr. Sushil Kumar Singh, Dr. Rajendra Kumar Yadav, Dr. Sandeep Kumar and Dr. Atul Yadav	DEVICE TO EXTRACT SOLAR-GRADE BIOSILICA FROM RICE HUSK
8.	423157-001	Dr. Rajni Rajan, Dr. Kuldeep Pandey, Dr. Jagveer Singh, Dr. Ajay Tripathi, Dr. D. K. Upadhyay, Dr. Pragya Pandey, Dr. Aastik Jha, Divyansh Mishra, Mr. Avdesh Kumar and Mr. Prabhat Kumar	AUTOMATED FRUIT HARVESTING DRONE USING ARTIFICIAL INTELLIGENCE
9.	430533-001	Dr. Girish Goyal, Dr. Mayank Chaturvedi, Dr. Ashok Kumar, Dr. Shambhoo Prasad, Dr. Laxmi Kant Tripathi, Ms. Priyanka Chand, Mr. Aman Parashar, Dr. Naleeni Ramawat, Mr. Shyam Sundar, and Mr. Sonu Goswami.	DIGITAL SOIL ANALYZER FOR CROP HEALTH
10.	430782-001	Dr. Harvinder Kaur Sindhu, Dr. Kunal Pratap Singh, Dr. Harmaninder Jit Singh Sindhu, Dr. Arushi Padiyal, Dr. Bhavana, Dr. Rajkishore Kumar, Dr. Ravi Pratap Singh, Dr. Manoj Kumar, Dr. Shweta Gupta, and Dr. Girish Goyal	IOT BASED AGRICULTURAL WEATHER STATION FOR FORECASTING CROP YIELDS
11.	431192-001	Pramod Kumar Mishra, Arpit Tiwari, Surya Mani Dixit, Manish Kumar, Paul Arjun Sanjay, Vijay Kumar Singh, Vipul Chaudhary, Shivam, Sandeep Kumar Pandey, Shashank Verma, Marutesh Yadav and Shubham Yadav	WALK BEHIND BATTERY OPERATED SINGLE ROW SUGARCANE PLANTER
12.	427175-001	Dr. Vikas Kumar Singh, Dr. K.N. Tiwari, Dr. Vijay Kumar Singh, Dr. Shivam, Dr. Santosh D.T., Dr. Vipul Chaudhary, Dr. Manish Kumar, Er. Shashank Varma and Dr. Paul Arjun Sanjay	GREEN HOUSE STRUCTURE FOR YEAR-ROUND CULTIVATION
13.	425838-001	Dr. Vipul Chaudhary, Er. Aryan Prajapti, Er. Ashwani Kumar, Er. Shashank Verma, Dr. Vijay Kumar Singh, Dr. Pramod Kumar Mishra, Dr. Paul Arjun Sanjay, Dr. Shivam, Dr.Vikas Kumar Singh, Dr. Manish Kumar, Er. Adarsh Singh and Er. Aditya Kashyap	HAND OPERATED POTATO PEELING MACHINE
14.	421905-001	Dr.Pramod Kumar Mishra, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. Sandeep Kumar Pandey, Dr. S.K. Pandey, Dr. Tarun Kumar Maheshwari, Dr. Neeraj Kumar Singh, Er. Shashank Verma, Er. Satyam Singh, Er. Amir Ansari, Er. Shubham Yadav, and Er. Marutesh Yadav	SOLAR OPERATED FIELD SPRAYER
15.	425624-001	Dr. Sachchida Nand Mishra, Dr. Prashant Kumar Singh, Dr. Vikas Chauhan, Dr. Bhagyashree Singh, Ms. Manjot Kaur, Dr. Kundan Kr. Vikrant, Dr. Hoshiyar Singh Negi, Dr. Pankaj Kumar Ojha, Dr. Anjali Tiwari and Dr. Vikas Kumar	PORTABLE IOT BASED AGRICULTURE PLANT HEALTH MONITERING SYSTEM
16.	425570-001	Dr. Vijay Singh Meena, Dr. Amitava Rakshit, Dr. Gajendra Singh, Dr. Raj Kumar Jat, Dr. Manish Kumar, Er. Satyam Singh, Dr. Pramod Kumar Mishra, Dr. Sunita Kumari Meena, Dr. Hanuman Prasad Parewa and Dr. Shivam	HYDROTHERMAL MONITORING APPARATUS FOR RICE CROP

17.	425565-001	Dr. Vijay Singh Meena, Dr. Manish Kumar, Dr. Raj Kumar Jat, Dr. Sunita Kumari Meena, Dr. Pramod Kumar Mishra, Dr. Amitava Rakshit, Er. Shyam Nath, Dr. Hanuman Prasad Parewa, Dr. Gajendra Singh and Er. Satyam Singh	MANUAL OPERATED ZERO TILL DRILL MACHINE
18.	435615-001	Dr. Dharmendra Kumar, Dr. Anjani Kumar, Dr. Manish Kumar, Dr. Pramod Kumar Mishra, Dr. Raghubar Sahu, Dr. Muneshwar Prasad, Dr. Ravindra Kumar Sohane, Dr. Amrendra Kumar, Dr. Rajesh Kumar, Dr. Ajay Maurya, Dr. Amit Kumar and Dr. Reeta Singh	MANUAL OPERATED NUTRILICK MACHINE
19.	202511006522 A	Er. Shraddha Singh, Dr. Navin Chandra Shahi, Dr. Sabbu Sangeeta, Dr. Umesh Chandra Lohani, Er. Sachin Kumar, Er. Arshi Siddiqui, Dr. Shikhangi Singh,Er. Ashutosh Tiwari and Dr. Meenal	PROCESS FOR DEVELOPMENT OF EFFERVESCENT GREEN TEA TABLETS FOR BEVERAGE PREPARATION
20.	451140-001	Er. Ashu Singh, Dr. Pramod Kumar Mishra, Dr. Manish Kumar, Dr. Paul Arjun Sanjay, Dr. V. K. Singh, Dr. Shivam, Dr. Vipul Chaudhary, Dr. Sandeep Kumar Pandey, Er. Satyam Singh, Er. Amar Tiwari, and Er. Devraj Rastogi	MOTOR OPERATED SEED DRILL
21.	434638-001	Er. Dev Raj Rastogi, Dr. Manish Kumar, Dr. Pramod Kumar Mishra, Dr. Gajendra Singh, Dr. Paul Arjun Sanjay, Dr. Vijay Kumar Singh,Dr. Vipul Chaudhary, Dr. Vikas Kumar Singh, Dr. Shivam, Dr. Vijay Singh Meena, Er. Shashank Verma and Er. Ashu Singh	SENSOR BASED WALK BEHIND INTER AND INTRA ROW WEEDER
22.	425839-001	Vijay Kumar Singh, Aditya Kashyap, Adarsh Singh, Shashank Verma, Vipul Chaudhary, Pramod Kumar Mishra, Vikas Kumar Singh, Paul Arjun Sanjay, Shivam, Manish Kumar ,Ashwani Kumar and Aryan Prajapati	HAND CUM POWER OPERATED MAIZE SHELLER

SEED & FARMS

Prof. S. C. Vimal, Joint Director

Seed is the most fundamental input in agriculture, and its quality directly impacts the productivity, profitability, and sustainability of farming systems. In Eastern Uttar Pradesh—a region characterized by small and fragmented landholdings, high population density, rainfed farming, and relatively low productivity—access to genetically pure and high-vigor seed is essential for improving crop yield and farmers' livelihoods.

The seed production chain follows a systematic structure starting from breeder seed, which is produced and maintained by plant breeders or research institutions and represents the highest genetic purity of a variety. This breeder seed is used to produce foundation seed under controlled conditions to maintain varietal identity. Foundation seed is then used to produce certified seed, which is made available to farmers after undergoing strict field and lab evaluations to ensure its physical, physiological, and genetic quality.

In Eastern Uttar Pradesh, quality seed can significantly enhance agricultural output. Good seed alone can contribute up to 15–20% increase in crop yield. It ensures a uniform plant population, better germination, enhanced resistance to diseases and pests, and more efficient use of fertilizers and irrigation. For a region like Eastern UP, where farmers are often resource-constrained, access to certified seed adapted to the local agro-climatic conditions is crucial for risk reduction and productivity enhancement.

Despite the clear benefits, there are notable gaps in the quality seed production and distribution system in this region. Infrastructure for seed processing, testing, and storage is limited, especially at the block and village level. There is often weak coordination between research institutions, seed producers, and end-users (farmers), which leads to underutilization of breeder seed. Moreover, a significant number of farmers still rely on farm-saved seeds due to lack of awareness, affordability, or timely access to certified seed. Delays in seed supply, limited adoption of improved varieties, and absence of localized seed enterprises further exacerbate the problem.

To overcome these challenges, it is essential to strengthen local seed systems. Agricultural universities like ANDUAT and Krishi Vigyan Kendras (KVKs) should function as regional seed hubs to ensure timely production and supply of breeder and foundation seed.

Promoting decentralized seed production through the “Seed Village” concept can empower trained farmers and self-help groups to produce and distribute quality seed at the village level.

In conclusion, ensuring the availability of quality seed through an integrated breeder–foundation–certified seed framework can revolutionize agriculture in Eastern Uttar Pradesh. It has the potential to not only improve productivity but also strengthen the livelihoods of small and marginal farmers, thereby contributing to regional food and income security.

S. No.-	Crop/ Variety		Production			
A.	**Rice**	**B/S**	**F/S**	**C/S**	**T/F**	
1	BPT-5204	151.2	2083.8	-	-	**2235**
2	Sabha Sub-1	40.92	-	90	-	**130.92**
3	Sarju-52	117.25	2322.84	-	-	**2440.09**
4	IR-64 Sub-1	36.36	44	-	-	**80.36**
5	Malviya Sugandha	-	-	-	6	**6**
6	MTU-7029	85.4	1581.14	-	-	**1666.54**
7	ND-359	30.34	-	-	-	**30.34**
8	NDR-2064	34.2	-	-	-	**34.2**

9	NDR-2065	29.75	420	-	-	**449.75**
10	NDR-6093	2	-	-	-	**2**
11	NDR-97	80	-	-	-	**80**
12	NDR99-30-111	34.75	-	-	-	**34.75**
13	Pusa CRD KN-2	14	-	-	3.6	**17.6**
14	Pusa Narendra KN-1	30	-	-	62.5	**92.5**
	Total	**686.17**	**6451.78**	**90**	**72.1**	**7300.05**
B.	**Pigeon pea**					
15	**NDA-2**	**8.7**	**40.62**	-	-	**49.32**
	Grand Total	**694.87**	**6492.4**	**90**	**72.1**	**7349.37**

Breeder, Foundation and Certified Seed Production during and Rabi- 2024-25

S. No.	Crop/ Variety	Production (q)			Total Production (q)
A.	**Wheat**	**B/S**	**F/S**	**C/S**	
1	NW-5054	17.50	-	-	17.50
2	HD-2967	157.50	1179.55	76.50	1413.55
3	DBW-316	72.00	-	-	72.00
4	DBW-222	-	81	362.2	443.20
5	DBW-187	-	142.93	1102.5	1245.43
6	DBW-327	-	225.00	-	225.00
	Total	**247.00**	**1628.48**	**1541.20**	**3416.68**
B.	**Chickpea**				
1	KWR-108	-	99.00	-	99.00
2	Udai	-	36.15	-	36.15
	Total	**0**	**135.15**	**0**	**135.15**
C.	**Lentil**				
1	Azad Masoor	-	33.25	-	33.25
2	KL-320	-	3	-	3.00
3	KLB-2008	-	7.5	-	7.50
	Total	**0**	**43.75**	**0**	**43.75**
D.	**Mustard**				
1	Azad Mahak	-	50.40	-	50.40
2	Giriraj	-	36	-	36.00
3	RH-725	-	128.1	-	128.10
4	RH-761	-	20.5	-	20.50
	Total	**0**	**235**	**0**	**235**
	Grand Total	**247.00**	**2042.38**	**1541.20**	**3830.58**

Recommendations:

- The old seeds of the preceding year seemed to be not revalidated for pursuing crops season in wheat crops.
- Hydropriming and seed coating with drought alleviating bacteria+ biogrow followed by hydropriming and seed coating with Bio NPK treatment could be utilized for enhanced seed quality parameters *i.e.* first count, germination, vigour index-I, vigour index-II, speed of germination, final plant establishment and yield in lentil and field pea crops.
- Foliar spray of salicylic acid 400ppm could be exploited to increase number of primary and secondary branches per plant, total number of siliqua per plant, plot yield and harvest index in mustard crops.
- Azospirillum as a liquid biofertilizer is the most effective among the treatments tested in enhancing wheat growth, development, and yield under field conditions. Its superior performance in terms of seedling vigor, vegetative growth, photosynthetic efficiency, reproductive traits, and final grain yield suggests that it is a potent bio-input for sustainable wheat production. Integrating Azospirillum into wheat farming practices can reduce dependency on chemical fertilizers, improve soil health, and enhance crop productivity in an eco-friendly manner.

DIRECTORATE OF EXTENSION

Dr. R.B.Singh, Director

One of the important mandates of the University is to undertake first-line extension activities that may provide technical backup to line departments and complement and supplement the existing extension efforts of the government line departments of the state. The entire process is being done to help the farming community earn a livelihood in the agricultural sector. The dissemination of day-to-day crop production and crop protection management practices is being carried out through the extension wing. Further, the advanced technology and frontiers of research in agriculture and allied fields are being undertaken through field extension programmes in twenty-five (25) districts of its area of operation. Advising various ways and means for improving the quality and effectiveness of extension work are the main goals of the Directorate. The Directorate of Extension (DoE), ANDAUT has been maintaining liaisons with the State Department of Agriculture (SDA) and other line departments of the state like Horticulture, Fishery, Veterinary & Animal Husbandry and Sugarcane. The DoE provides all necessary scopes for the adoption and dissemination of technologies developed/modified by the University. The Directorate is also shouldering the responsibilities of giving training and technical guidance to the educated unemployed youth and farmers (including farm women) of the state in the field of improved agriculture and allied sectors as a means of generating income for their livelihood. Efforts are also being made to sustain these activities through farm advisory services, on-farm demonstrations, farmers' fairs etc. organized periodically by this Directorate. Apart from this, the Directorate regularly publishes Annual Reports, Newsletters, Monthly magazines and Extension Bulletins etc. Besides, the technologies generated in the University are disseminated through electronic and print media.

Organizational Structure

The Extension Education activities of the University were started in June 1977 at the University headquarters. The 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 08 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 headquarters, Krishi Vigyan Kendras and Krishi Gyan Kendras with the objectives of making provisions for the education of rural people of UP in agriculture, rural industry and allied subjects. To fulfil the above objectives, the Directorate of Extension has been equipped with the following functional units:

- Agricultural Technology Information Centre (ATIC) at University campus
- 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)

A. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (ATIC)



Major services being offered :

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

Table 1: Extension activities performed

Sl No	Particulars	2024-2025	
		Qty	Amt.
1	**TECHNOLOGY PRODUCTS SOLD TO END USERS**		
A	**Seeds**		
A.1	Paddy (Q)	169.75	568000
A.2	Wheat	115.40	420250
B	Millets	2.00	
C	Fish sold	1.22	21960
2	**SERVICES PROVIDED TO END USERS**		
A.	Soil samples analysed	635	-
B.	Agri Clinics	462	-
C.	Animal clinics	528	-
D.	Advisory services	5140	-
E.	**Publications sold**		
E.1	Agril. Extension Literature	7540	150800
E.2	Krishi Diary	4000	500000
E.3	Purvanchal Kheti	12000	125000
3	**INFORMATION PROVIDED TO FARMERS**		
A.	Phone calls from farmers	231	-
B.	Exhibitions conducted	05	-
C.	Letters for farmers	61	-
D.	Reply letters to farmers	61	-
E.	Reply through WhatsApp	326	-
F.	Visit of farmers to ATIC	6667	-

Table 2: Group of Farmers/ Farm Women, Trainees and Students visited ATIC during 2024 – 25

Sl. No.	Group of Farmers/ Farm Women / Officers/Trainees / Stude nts visited through NGOs	Sponsored by	No. of visitors
1.	Within State	Farmers, Farm Women, Rural Youths	2628
2.	Outside State	Farmers, Farm Women, Rural Youths	244
3.	Student Educational Tour	Students	3795
	Grand Total		**6667**

Print Media in Transfer of Technology

Newspapers like Amar Ujala, *Dainik Jagran, Hindustan, Danik Bhaskar* and *Janmorcha*" were used to disseminate the technology fortnightly. Besides other publications, posters, leaflets, folders and handbills were also made available to the farmers.

Information and Communication Services

In modern agriculture; knowledge, information and effective communication is playing a vital role in transferring the latest technologies to the farmers at their doorsteps. Thus, the different modules of information and communication have been established for effective linkages between scientists and farmers. Accordingly, the Directorate of Extension is utilizing various means of mass communication to communicate the agricultural technology at farthest and distant places too.

Use of Electronic Media

In order to disseminate the latest technology to the farmers, the Directorate of Extension arranges for radio talk/ discussions by the University expert on All India Radio Lucknow, Ayodhya, Gorakhpur and Varanasi. The broadcasting of radio and TV talks are being done after recording the same by scientists of KVKs, KGKs and headquarter for benefit of the farming community. The radio and Doordarshan also cover special activities carried out by the University such as Kisan Mela, Agriculture Officers Workshop, Training, Field days and Kisan Gosthi, etc.

Publication of Extension Literature

Published and unpublished literature plays a significant role in dissemination of information and technologies in Agriculture Extension at a nominal cost. These literatures provide detailed information in easily understandable language. Literature in the form of technical bulletins, Krishi dairy, pamphlets, handout, package of practices based books on different crops and allied activity have been published and are being utilized for dissemination of agricultural technology. A popular hindi monthly magazine "*PURVANCHAL KHETI*" is published under this service, which consists popular articles on various aspects by the scientists of different disciplines viz; crop production, horticulture, animal husbandry, beekeeping, fisheries, poultry, piggeries home science etc.

Table 3: 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
- ड्रैगन फल की खेती
- स्ट्राबेरी की खेती
- सब्जी की वैज्ञानिक खेती
- मोटे एवं सूक्ष्म अनाजों की प्राकृतिक खेती एवं मूल्य संवर्धन
- प्राकृतिक खेती – शोध एवं प्रसार
- किसान उपयोगी कृषि तकनीक – विकसित कृषि संकल्प अभियान

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.

Table 4 : Training programme

S.No.	Title of training programme	Date	Participants	Number of participants
1.	Production technology of Groundnut cultivation	23-24.10.2024	Extension Functionaries	20
2.	Government Policies on Shree Anna	20.02.2025	Subject Matter Specialist/Sr. Sci & Head	24
3.	Empowerment of agricultural scientists for sustainable agricultural development	20.03.2025	Subject Matter Specialist/Sr. Sci & Head	55
4.	Organic and Natural Farming	21.03.2025	Subject Matter Specialist	28
5.	Millet Cultivation and Value Addition	22.03.2025	Subject Matter Specialist	22
6.	Climate Resilient Agriculture	24.03.2025	Subject Matter Specialist	24



Hon'ble Minister for Agriculture, Agriculture Education and Research Sh. Surya Pratap Shahi and Vice Chancellor chaired the session during the workshop on 21.03.2025



Hon'ble Vice Chancellor visited ODOP exhibits organized at Directorate on 23.12.2024

Workshop/Group meetings organized

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

Table 5: Workshop/Meetings organized during the year

S.No.	Particulars	Date	Participants	Number of participants
1.	Kisan Samman Diwas	23.12.2024	Farmers, Farm Women, Scientists	350
2.	Scientist-stakeholders interaction workshop (KVK Gorakhpur-I)	21.12.2024	Farmers, Farm Women, Scientists	250
3.	Agriculture Exhibition in 4 8th VC Convention of IAUA	13-14.02.2025	Vice Chancellors, Scientists	550
4.	Review meeting of KVKs	20.02.2025	Senior Scientist & Head, SMS, OS	98
5.	Input distribution and krishak goshthi (Deoria)	13.03.2025	Farmers, farm women and rural youths	525
6.	Strengthening of Extension Functionaries for Sustainable Agricultural Development	20-21.03.2025	Senior Scientist & Head, SMS	115

Krishi Vigyan Kendra

Initially there were six Farm Science Centres (Krishi Vigyan Kendras) established under Directorate of Extension at Bahraich (1985), Basti (1985), Ballia, (1989), Mau (1989), Varanasi (1990) and Siddharthnagar (2002) districts with the financial assistance of ICAR, New Delhi. During 2004 four remandated KVKs at Gorakhpur, Maharajganj, Sonbhadra and Ayodhya districts were brought under administrative control of Directorate of Extension. Five more KVKs have been added to the administrative control of the university in the year 2005 namely, Balrampur, Haidergarh, Azamgarh, Jaunpur and Chandauli. Further two more KVKs at district Ambedkarnagar and Santkabir Nagar was brought up with the university in the year 2009. During the Seventh Plan (2018), 08 new KVKs were established.

The KVK is an innovative institution for transfer of technology, which has been launched with the aim to reduce the time gap between the generation of technology and its adoption. Therefore, in view of need and importance, farmers and farm women are being trained with the latest know-how by organizing different type of residential and non-residential trainings. Under the Farm Advisory Services in addition to Front Line Demonstration, other demonstration/ trials for technology testing for the area, varietal trials on various latest crop varieties released or in pipe line are being tested at the farms of KVKs and farmer's field, every year. The trials are being conducted in consultation with the university scientists. These institutions also provide farm information services through literature, exhibition, training, camps, radio and television talks, field days as well as print and electronic media.

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 404 technologies in 1165 trials conducted at different locations on farmers' fields (Table 6) through on-farm trials (OFT). The KVKs of the university assessed the suitability of 347 crop-based technologies in 905 locations, 46 animal-based technologies in 210 locations and 11 technologies on enterprises in 50 locations. A total of 404 technologies were on crops of which 29 were new and improved crop varieties (Table 6). Among the other crop production and protection technologies, 52 were on INM, 74 each on weed management and on IPM and 57 on IDM. Out of 46 technologies assessed in animal category, 09 were on nutrition management, 07 on dairy management, 12 on feed and fodder management and 03 on production management and 13 on composite fish culture. Among various other enterprises were the other themes wherein 11 technologies were assessed.

Table 6: Details of thematic area wise technologies assessed in OFTs by KVKs

Thematic Area	No. of Technologies	No. of Trials	
Crops			
Integrated Nutrient Management (INM)	52	156	15
Varietal Evaluation	29	88	13
Integrated Pest Management (IPM)	74	167	20
Integrated crop management (ICM)	23	67	11
Integrated disease management (IDM)	57	154	17
Weed Management	74	195	23
Integrated Farming system (IFS)	6	11	3
Farm Mechanization (FM)	12	29	5
Drudgery reduction (DR)	5	5	1
Resource conservation Technology (RCT)	15	33	8
Total	**347**	**905**	
Livestock			
Disease Management	2	10	1
Feed and Fodder management	12	41	6
Nutrition Management	9	60	8
Production and Management	3	11	3
Composite fish culture	13	48	8
Dairy Management	7	40	5
Total	**46**	**210**	
Enterprises			
House hold food security	7	15	2
Value Addition	1	5	1
Nutritional Gardening	3	30	3
Total	**11**	**50**	
Grand Total	**404**	**1165**	



Director Extension, Dr. R.B. Singh inspected growth performance of indeterminate tomato varieties under staking method in polyhouse at KVK Barabanki



On Farm Trial organized on G-9 variety of banana in Ayodhya district

3.2 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 8594 demonstrations were conducted on field crops, horticultural crops, tools and implements and livestock by KVKs (Table 7). In crops, 7936 demonstrations were conducted by 25 KVKs covering cereals, commercial crops, fodder crops, vegetables, fruits, flowers, spices, plantation crops and medicinal plants in 2652.58 ha area. Among the crops, 1245 demonstrations were conducted on pulses, 2487 demonstrations were conducted on oilseed crops, 3117 demonstrations were conducted on cereals and millets crop and 576 on horticultural crops. A total of 288 demonstrations were conducted on commercial crops and spices, 223 on tools and implements, 323 on livestock and fisheries, and 335 on various enterprises. Among cereal crops, 1430 demonstrations were conducted on rice and 1492 demonstrations on wheat varieties and other production and protection technologies. In pulses out of 1245 demonstrations, 695 were in pigeon pea and 405 were in lentil crop. Among the oilseed crops, 1364 were in rapeseed & mustard and 597 in sesame. Among 576 demonstrations on vegetables, 151 were on okra and 100 on onion crop. Among the demonstrations in spices and commercial crops, 65 were on turmeric and among commercial crops, 21 demonstrations were on potatoes.

Table 7: Achievements of FLD during 2024 – 25

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Pulses	1245	420.70	
Oilseeds	2487	928.50	
Cereals & Millets	3117	1135.82	
Vegetables	576	48.21	
Other crops	288	29.85	
Farm implements	223	89.50	
Total	**7936**	**2652.58**	
Livestock & Fisheries	323		788
Other enterprises	335		335
Total	**658**		**1123**
Grand Total	**8594**	**2652.58**	**1123**



FLD on staking method of tomato in district Ayodhya



FLD on drone application in agriculture: KVK Varanasi

Trainings

Training is one of the important mandates of Krishi Vigyan Kendras which play a pivotal role in capacity development of farmers and extension personnel to update their knowledge and skills on improved agricultural technologies. Accordingly, KVKs assess the training needs, prioritize, and conduct various training programmes for farmers and farmwomen primarily focused on knowledge and skills, while it is entrepreneurship development for rural youth and knowledge on frontier areas of science and technology for extension personnel. During the reporting period, KVKs conducted 3298 training programmes to 83789 beneficiaries (Table 8) including farmers, rural youth extension functionaries, sponsored trainings, and vocational trainings.

A total of 2332 training programmes on agricultural and allied technologies to increase the production and productivity of crops, dairy and others were organized for 57955 farmers and farm women, 390 trainings were organized for 9427 rural youth, and 222 trainings were organized for 5031 extension functionaries by KVKs. Sponsored trainings were conducted for 6177 beneficiaries and vocational training for 5199 beneficiaries through 126 and 228 programmes, respectively. Clientele wise details conducted by KVKs are furnished in Table 8.

Table 8: Details of client wise training programmes organized by KVKs

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	2332	42119	15836	57955
Rural youths	390	6792	2635	9427
Extension functionaries	222	4295	736	5031
Sponsored Training	126	5284	893	6177
Vocational Training	228	3729	1470	5199
Total	**3298**	**62219**	**21570**	**83789**



Hands on training of preparation of Jeevamrit under natural farming at KVK Barabanki on 05.02.2025



Hands on training of farmers of Mau district in high tech nursery unit at KVK on 20.09.2024

Extension Activities

KVKs in the zone engaged in a number of extension programmes and activities in 2024-25. 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 9217 extension activities for creating awareness about latest improved agricultural technologies in which 955459 farmers and 13536 Extension Personnel participated and benefited (Table 9). The extension activities included advisory services, exposure visits, animal health camps, technology week, group discussions, method demonstrations, soil health camps, Kisan mela, Kisan gosthi etc. (Table 9). The highest activities (4066) were undertaken as part of advisory services and also the most beneficiaries (567950) were addressed through various mass outreach programmes like Kisan mela, goshthies, visits, discussions, etc. KVKs have organized other extension activities (19009). The major activities like electronic media (42), extension literature (15735), news paper coverage (2199), popular articles (354), radio talks (107), and TV talks (65), Animal treated (426) through health camps were performed.

Table 9: Details of Extension Activities organized by KVKs

Activities	No. of programmes	No. of farmers	No. of KVKs
Extension activities	9217	961436	25
Other extension programmes (mass comm.)	19009	-	25
Mobile advisories	7674	708462	25
Soil samples	12603	19487	18
Technology week celebrations	1788	356584	16
Total	**50291**	**2045969**	



Hon'ble Vice Chancellor and other dignitaries on dias during Kisan Samman Diwas on 23.12.2025



Scientific Advisory Committee meeting organized at KVK Gazipur II

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 4230.40 quintals of seed of cereals and millets, 138.97 quintals of oilseeds, 139.36 quintals of pulses, 426.96 quintals of vegetables and commercial crop seeds were produced and Rs 145,17,389 revenue generated (Table 10). Planting materials including vegetable seedlings (994356), saplings of fruit trees (133310), flowers and ornamental plants (107727), fodder slips (28887), forestry and plantation crops (13250), etc., totalling 1299317 seedlings were supplied to 25261 farmers (Table 10). A total of 19723.20 kg of bio fertilizers, 4962 kg of bio pesticides and 912.50 kg of bio-inputs including vermicompost were produced supplied to 1478 farmers. A total of 986 livestock species, comprising of 928 poultry chicks, 58 goat, 74 turkey and 21706 fingerlings were produced and provided to 306 farmers (Table 10).

Table 10: Production and supply of seeds, planting material, bio-products and livestocks

Category	Quintal/Number	Value Rs.
Seed (q)	4947.50	14517389.75
Planting material (No.)	1299317	2766391.00
Bio-Products (kg)	25597.70	489715.00
Livestock Production (No.)	986	501930.00
Fishery production (No.)	21706	123240.00

Flagship Extension Programmes:

Rojgar Mela and Youth Mahotsav

Acharya Narendra Dev University of Agriculture and Technology, Kumarganj, Ayodhya got privileged to organize Mega Employment Fair and Youth Sammelan on 18 August 2024. Honorable Chief Minister of Uttar Pradesh, Yogi Adityanath inaugurated the mega employment fair, in which thousands of youth participated enthusiastically. The employment fair was organized in the DAV School ground located in the Acharya Narendra Dev Agriculture and Technology University, Ayodhya. Hundred renowned companies from all over the country participated in the fair. The youths provided employment opportunities at the fair according to their qualifications. Chief Minister Yogi distributed tablets and smartphones to 1387 students in the Yuva Mahotsav, due to which the faces of all the youth lit up with joy. Honorable Chief Minister also distributed



Chief Minister laid foundation stone & inaugurated 14 projects worth of Rs. 78 crores

appointment letters to the youth in the employment fair. Honorable Chief Minister carried out various activities in the University such as tree plantation, inspection of technological exhibits, discussion with the youth and companies who had come for employment, etc. Honorable Chief Minister laid the foundation stone and inaugurated 14 projects worth Rs 78 crore of the University. While addressing the youth, the Chief Minister discussed the rapid development work taking place in the State and also gave information about many beneficial schemes for the youth and also announced the recruitment of 60 thousand police in the coming days. Honorable Chief Minister also announced 20 percent reservation for women in police recruitment. Along with the Honorable Chief Minister, Honorable Agriculture Minister, Skill and Development Minister, Youth and Sports Minister, other public representatives and Vice Chancellor of Agricultural University, Dr. Bijendra Singh was also present.



Vice Chancellor presenting Agri – Drone model to Chief Minister Yogi Aditya Nath Ji during the Mela

Natural Farming Sangoshthi

- University organized 'Natural Farming Sangoshthi' on 20th July 2024 at university main campus. The chief guest of the occasion was Acharya Devvrat Ji, Hon'ble Governor of Gujrat and distinguished guest of the function was Shri Surya Pratap Shahi Ji, Hon'ble Minister of Agriculture, Agriculture Education and Agriculture Research, Government of Uttar Pradesh. More than 250 academicians of university, research stations and KVKs, students along with 150 progressive natural farming farmers participated in the Sangoshthi. Natural farming specific lectures were delivered by Acharya Devvrat Ji and other distinguished delegates during the sangoshthi. Hon'ble Vice Chancellor also presented in brief the progress report of natural farming related work done by the university. Krishi Vigyan Kendra, NGOs and progressive farmers also exhibited technologies related to natural farming and its products, millets, value-added products and ODOP products through stalls. Progressive farmers were also facilitated by the organizers.



Dignitaries released Natural farming bulletins for farmers during Natural farming Sangosthi at University campus on 20.07.2024

- Ministry of Agriculture & Farmers Welfare, Govt of India and State Dept of Agriculture, Uttar Pradesh jointly organized 'Regional Consultation Programme on the Science of Natural Farming' in Lucknow on 19th July, 2024. Governor of Gujrat Shri Acharya Devvrat Ji and Minister of Agriculture & Farmer Welfare, Govt. of India Shri Shiv Raj Singh Chauhan were the chief guest of occasion. The programme was presided by Chief Minister of State Yogi Aditya Nath Ji. Majority of Minister of UP and Vice Chancellors of Agriculture Universities were the distinguished guest of the occasion. Senior Scientists & Heads and SMSs of KVKs having Natural Farming projects along with progressive farmers doing Natural farming participated in the programme.

A Live webcast of Release of 17th, 18th and 19th installment of PM KISAN

PM KISAN is a flagship scheme of the Government of India aimed at providing direct income support to all land holding farmer families. The Hon'ble Prime Minister released the benefit of 17th installment on 18th June, 2024; 18th installment on 05th October 2024; and 19th installment on 24th February 2025. University and all Krishi Vigyan Kendra organized a live webcast of the Prime Minister Kisan Samman Nidhi released programme which was inaugurated by Prime Minister Shri Narendra Modi Ji. All of the gatherings at the University headquarter and KVKs listened to the lectures of Prime Minister Shri Narendra Modi Ji and other dignitaries. The Prime Minister, Shri Narendra Modi, inaugurated the programme and released the 17th, 18th and 19th installment amount to more than 11 crores farmers under the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) through Direct Benefit Transfer. More than 1500 farmers and farm women in each district of eastern Uttar Pradesh viewed the live telecast of the programme through Krishi Vigyan Kendras. Each



Governor of Gujrat Shri Acharya Devvrat Ji and Minister of Agriculture & Farmer Welfare, Govt. of India Shri Shiv Raj Singh Chauhan as chief guest and presided by CM Yogi Aditya Nath Ji during Regional Consultation Programme on the Science of Natural Farming at Lucknow on 19.07.2024

KVK 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.

National Farmers Day or Kisan Diwas

The University and all the KVKs under jurisdiction of the University organized Kisan Samman Diwas on the occasion of 121st birth anniversary of 05th Prime Minister Chaudhary Charan Singh, also a farmer's leader, who introduced many policies to improve the lives of the Indian farmers on 23rd December, 2024. The theme, 'Delivering Smart Solutions for Sustainable Food Security and Resilience', highlights the urgent need for technological innovation and climate-resilient practices in agriculture. Kisan goshthies and felicitated of progressive farmers were done on the occasion. Hon'ble Vice Chancellor was the chief guest of the occasion organized by Directorate of Extension in the university campus and felicitated 20 progressive



Hon'ble Vice Chancellor Dr. Bijendra Singh felicitated progressive farm-woman Smt Shabina Khatun (Drone Didi) on the Kisan Samman Diwas occasion (23 December 2024)

farmers of eastern Uttar Pradesh who have done remarkable work in the field of agriculture and allied sectors. Similarly all KVKs also organized the Kisan Samman Diwas at respective centres and felicitated the progressive farmers.

Mandaliya Kharif Utpadakta Goshthi organized

The University organized *Mandaliya Kharif Utpadakta Goshthi* of Ayodhya and Devipatan Mandal at ABM Auditorium on 26th June 2024. The Hon'ble Minister of Agriculture, Agriculture Education and Agriculture Research, Government of Uttar Pradesh Shri Surya Pratap Shahi Ji was the chief guest of Occasion. The Agriculture Minister UP Govt (Minister of State), Shri Baldev Singh Aulakh, MLA Shri Ram Chandra Yadav, Agriculture Production Commissioner, Additional Chief Secretary, Director Agriculture, Commissioner Ayodhya & Devipatan Mandal, Director IRRI SARC, Varanasi was the distinguished guest during the occasion. Colleges, Departments, Krishi Vigyan Kendra, line departments, FPOs/NGOs and progressive farmers exhibited technologies related to millets, vegetables, fruits especially mangoes, value-added products and ODOP products through stalls and scientists delivered lectures during the *Krishak goshthi*.



View of *Mandaliya Kharif Utpadakta Goshthi* at AMB Auditorium (26.06.2024)



Chief Guest Shri Surya Pratap Shahi Ji and other delegates with Vice Chancellor viewed the showcased technologies exhibited during *Mandaliya Kharif Utpadakta Goshthi* (26.06.2024)

Similarly, Scientists of Directorate and Krishi Vigyan Kendras also participated in Mandaliya level *Kharif Utpadakta Goshthi* – 2024, of Gorakhpur, Basti and Azamgarh mandal at Anexy Bhawan Sabhagar, Gorakhpur on 22nd June, 2024 and Varanasi, Azamgarh and Vindhyachal mandal at Varanasi on 24th June, 2024. Krishi Vigyan Kendras also exhibited technologies related to millets, vegetables, fruits and value-added products through stalls and scientists delivered lectures during the *Krishak goshthi*. The Hon'ble Minister of Agriculture, Agriculture Education and Agriculture Research, Government of Uttar Pradesh Shri Surya Pratap Shahi Ji was the chief guest of Occasion. Agriculture Production Commissioner, Additional Chief Secretary and other district administrative officers also participated during the occasion.



Chief guest Shri Surya Pratap Shahi Ji chaired the session during *Mandaliya Kharif Utpadakta Goshthi* of Basti and Gorakhpur Mandal (22.06.2024)



Chief Guest Shri Surya Pratap Shahi Ji viewed the showcased technologies exhibited during *Mandaliya Kharif Utpadakta Goshthi* of Azamgarh, Varanasi and Vindhyachal Mandal (24.06.2024)

Directorate and Krishi Vigyan Kendras scientists participated in Basti and Gorakhpur Mandaliya Rabi Utpadakta Goshthi at Annexi Bhawan, Gorakhpur on 23rd October, 2024 and Ayodhya & Devipatan Mandaliya Rabi Utpadakta Goshthi at Acharya Narendra Deva University of Agriculture & Technology on 28th October, 2024.

Krishi Vigyan Kendras of respective districts also exhibited technologies related to millets and crop residue management through stalls and scientists delivered lectures during the Krishak goshthi. The Hon'ble Minister of Agriculture, Agriculture Education and Agriculture Research, Government of Uttar Pradesh Shri Surya Pratap Shahi Ji was the chief guest of Occasion. The Member of Public Representatives and Agriculture Production Commissioner Smt Monika Garg was the distinguished guest during the occasion.

Pre Annual Zonal Review Workshop of KVKs organized

Pre Annual Zonal Review Workshop of KVKs under university area jurisdiction was organized from 12th to 13th July, 2024 at University campus. In this workshop, the achievements of last year (2023-24) and action plans for 2025 of 32 Krishi Vigyan Kendras were reviewed. Hon'ble Vice Chancellor was the chief guest of occasion and the Guests of Honour on the occasion was Dr. S.K. Singh, former Director, ICAR-ATARI, Jodhpur. During the workshop, all the KVKs under jurisdiction presented their last year progress report and upcoming action plan during the technical session. The technical committee critically reviewed the presentation of reports and provided valuable suggestion to the house. Vice Chancellor also reviewed the progress of KVKs and provided valuable suggestion to the Senior Scientist & Heads. Total 32 KVKs participated in the workshop and more than 80 scientists attended the programme.

National Fish Farmers Day organized

KVKs under the jurisdiction organized 'National Fish Farmers Day' on 10th July 2024 to appreciate the contribution of fish farmers and aquaculture sector to the country's economy. The event was attended by faculty, official staff and progressive fish growers of the district. More than 1500 fish growers in different districts attended the programme. Capacity Development cum Awareness Programme and input distribution to fisheries growers was organized at KVK Varanasi with the support of ICAR-NBFGR, Lucknow on 25th July 2024. The chief guest of the occasion was Hon'ble Vice Chancellor of the University Dr. Bijendra Singh and distinguished guest of the occasion was Shri Shailendra Raghuvanshi, Board of Management of the University. During the technical session, ICAR-NBFGR scientists Dr. Monika Gupta, Dr. Raghuvendra Singh, Dr. Vikas Sahu and Dr. Amit Singh Bisht delivered lecture to the fish growers. More than 250 fisheries growers of the district attended the programme. Similar Capacity Development cum Awareness Programme and input distribution to fisheries growers was also organized at KVK Ayodhya on 15th February 2024 with the support of ICAR-NBFGR, Lucknow. The chief guest of the occasion was hon'ble Vice Chancellor of the University Dr. Bijendra Singh and distinguished guest of the occasion was Dr. U.K. Sarkar, Director, ICAR-NBFGR, Lucknow. More than 150 fisheries growers of the district attended the programme.



Hon'ble Vice Chancellor input distributed to fisheries growers organized at KVK Varanasi with the support of ICAR-NBFGR, Lucknow (25th July, 2024)

State Level Agriculture Seminar on Social Media in Agriculture organized

One day State level Agriculture seminar on 'Importance of Social Media in Agriculture Extension' was organized at University campus on 31 July 2024 under the dynamic leadership of hon'ble Vice Chancellor. He was also the chief guest of the occasion. On the occasion Vice Chancellor addressed the delegates about the importance of social media as the cheapest and easiest medium for the disseminating knowledge to end users. All Krishi Vigyan Kendras should be connected to social media and try to connect more and more farmers with social media. The Vice Chancellor appeal to KVK scientists to share agricultural technologies related videos and share it to YouTube, Facebook, Twitter and other social media platforms. Technical lecture was delivered by Shri P.L. Meena, Assistant Agriculture Officer, Gangapur City, Rajasthan. The seminar was also webcasted to all the agriculture universities, KVKs, line departments and stake holders. More than 250 academician, scientists directly attended the seminar and 760 scientists and delegated attended the programme through online mode. The same seminar was organized by State Department of Agriculture, Uttar Pradesh in Lucknow on 30 July 2024. The Hon'ble Minister of Agriculture, Agriculture Education and Agriculture Research, Government of Uttar Pradesh Shri Surya Pratap Shahi Ji was the chief guest of Occasion. University faculty also participated in the programme.



Vice Chancellor felicitated Shri Pintu Lal Meena, Assistant Agriculture Officer, Gangapur City, Rajasthan during the occasion of state level seminar on 31.07.2024



Hon'ble Vice Chancellor and delegates viewed the presentation of Shri P.L. Meena on 31.07.2024

Workshop on Direct Seeding of Rice

One day Workshop on 'Direct Seeding of Rice' was organized by Govt. of India and World Bank led IRRI, Manila, Philippines as part of UP Accelerator Pragati programme at KVK Ayodhya on 07 May 2024; at KVK Ambedkarnagar on 08 May 2024 and at KVK Barabanki on 15 May 2024. Technical head of World Bank, Dr. Anjali Pransis and Dr. Rishi Narayan Singh delivered lectures on direct seeding of rice, its importance and benefits to farming community. More than 250 farmers and farm women in respective districts attended the programme. Representatives of private partners Buyer, Carteva, Jain Irrigation System, Kisan Craft also participated in the programme. Additional Director Extension facilitated the programme.

Scientists-Stakeholders Interaction Workshop

Krishi Vigyan Kendra Belipar, Gorakhpur organized Scientists-Stakeholders Interaction Workshop on 21st December 2024 at KVK premises under collaboration with ICAR and International Water Management Institute (IWMI). Vice Chancellor of the University Dr. Bijendra Singh was the chief guest of the occasion. Other dignitaries were Dr. A.K. Sikka, IWMI representative India & Bangladesh; Dr. Giriraj Amarnath, Principal Researcher & INTEGRATED Project Lead, IWMI, Colombo, Sri Lanka; Dr. S.K. Jena, Principal Scientist & PI INTEGRATED Project, ICAR-IIWM, Bhubaneswar; Dr. R.K. Jena, Dr. B.S. Satapathy, Senior Scientist & Co-PI INTEGRATED Project, ICAR-IIWM, Bhubaneswar; Dr. R. Rajani, Principal Scientist, ICAR-CRIDA, Hyderabad also participated in the programme. All Senior Scientist & Heads and SMSs of KVKs alongwith various stakeholders were participated in the workshop.

Har Ghar Tiranga programme

"Har Ghar Tiranga" campaign was celebrated by the University, its constituents Colleges and KVKs from 09th August to 15th August, 2024 and various activities were organized by the University to make the this national campaign a grand success. As per direction of Government of India and Uttar Pradesh, "Har Ghar Tiranga" was a campaign of Ministry of culture to encourage the people of India to bring the Tiranga home and to hoist it from 13 - 15 August, 2024 at their homes. In this regard, under the leadership of the Vice Chancellor, officers and employees hoisted the national Flag of India in their homes on 13.08.2024. They also uploaded their photos on Har Ghar Tiranga portal and received the certificate. The University and KVKs also distributed national flag among the college & school students, contract persons, and villagers to spread the message of "Har Ghar Tiranga" and encourage others to participate in this national campaign to hoist national flag at their homes during the period from 13th -15th August.



Hon'ble Vice Chancellor releasing colourful balloon for cycle rally on 09.08.2024

Inauguration of Vice Chancellors Convention and Baldau Vatika

Hon'ble Governor madam inaugurated 48th Vice Chancellors Convention of Indian Agricultural Universities organized at University campus and also Baldau Vatika established at Agriculture Technology Park on 13th February, 2025. Krishi Vigyan Kendras Basti, Barabanki, Amethi, Ayodhya, Bahraich I, Jaunpur I and Sultanpur exhibited technological stalls during agricultural exhibition organized at University campus on the occasion of 48th Vice Chancellors Convention of Indian Agricultural Universities on 13th-14th February, 2025.



Hon'ble Governor inaugurated Baldau Vatika at Agriculture Technology Park on 13.02.2025

Workshop on Strengthening of Extension Functionaries for Sustainable Agricultural Development

Directorate organized two days workshop on 'Strengthening of Extension Functionaries for Sustainable Agricultural Development' on 20– 21st March 2025 at Hi-Tech Hall. Hon'ble Minister, Agriculture and Agriculture Education and Research, Shri Surya Pratap Shahi Ji was chief guest of workshop and Vice Chancellor was the chairman of the programme. More than 160 extension officers and KVKs scientists participated in the programme.



Vice Chancellor honored Chief Guest Shri Surya Pratap Shahi Ji, Agriculture Minister during the workshop

Distinguished Visitors

- Governor of Uttar Pradesh Smt Anandi Ben Patel visited University campus on 20th September, 2024. University organized 26th Convocation on 19 September 2024 and Chancellor and Governor of UP presided the function. Hon'ble Chancellor also awarded 05 progressive farmers for their contribution in the field of agriculture. Chancellor visited Hydroponic unit on 20 September 2024 and reviewed the progress of leafy vegetables in the unit.

- Additional Chief Secretary (Crops), Government of India, Smt. Shubha Thakur, Director (Crops), Govt. of India, Shri Rabindran Prasad, Director Agriculture, Govt. of Uttar Pradesh, Dr. Jitendra Kumar Tomar and other team members visited University on 06 - 08 April, 2024 and reviewed the technologies and units established and displayed for farming community. Additional Director Extension and other officials of University facilitated the visit and interacted with the team members. The team also visited KVK Ayodhya on 06 April, 2024 and reviews the progress of KVK's National Food Security Mission activities and also met progressive farmers and farm women during interaction programme. They also monitored the construction Vegetable Hi-tech nursery unit and also viewed various technological units established at KVK premises viz., goatry, apiary, azolla, vermi-compost, mushroom, NADEP and natural farming unit. Additional Director Extension Dr. R. R. Singh, Joint Director Agriculture, Deputy Director Agriculture, District Agriculture Officer and Senior Scientist & Head, KVK Ayodhya facilitated the programme and visit programme.



Smt. Shubha Thakur, Shri Rabindran Prasad, Dr. Jitendra Kumar Tomar and other team members of NFSM programme visited KVK Ayodhya

- **NAAC peer review team** under the chairmanship of Prof. Saket Kushwaha, Vice Chancellor, Rajiv Gandhi University, Arunachal Pradesh alongwith 06 team members visited University campus from 22 April to 24 April 2024 and reviewed the infrastructure facilities and amenities of University. During the visit, the team also visited Hydroponic units on 23 April and Radio Station on 24 April 2024, the units under the supervision of Directorate of Extension.

- Deputy Director General (Agriculture Education), ICAR, Dr. R. C. Agarwal visited University campus and Narendra Radio Station on 04 May 2024, with hon'ble Vice Chancellor and recorded memorable byte on agriculture education for students. On same day, DDG (Ag. Education) and Vice Chancellor visited district Shravasti and Additional Director Extension and OIC KVK Shravasti facilitated the visit programme. DDG (Ag. Education), ICAR and hon'ble Vice Chancellor visited KVK Balrampur and KVK Bahraich I on 05 May 2024 and interacted with progressive farmers of the district and delivered lecture to the farming community. Additional Director Extension and Senior Scientists facilitated the programme.

- **NAAC peer review team** under the chairmanship of Prof. Pratap Jyoti Handique, Vice Chancellor, Gauhati University, Assam alongwith 05 team members visited University campus from 27 May to 29 May 2024 and reviewed the infrastructure facilities and amenities of University. During the visit, the team also visited **Radio Station** on 27 and 28 May 2024, and recorded technological talks for farmers.

- Deputy Director General (Agricultural Engineering), Indian Council of Agricultural Research, New Delhi Dr. Shyam Narayan Jha visited KVK Ayodhya on 28 May, 2024 and review the progress of KVK's activities and also met progressive farmers and farm women during interaction programme. They also viewed various technological units established at KVK premises viz., Goatry, Apiary, Azolla, Vermi-compost, Mushroom, NADEP and natural farming unit. Scientist & Head, KVK Ayodhya and SMSs facilitated the programme and visit programme.



DDG (Ag. Engg.) Dr. S.N. Jha visited KVK Ayodhya on 28 May 2024

- Honorable Governor of Gujarat State, Shri Acharya Devvrat Ji and Honorable Minister of Agriculture, Agricultural Education and Research of Uttar Pradesh, Shri Surya Pratap Shahi Ji visited the University along with Vice Chancellor of the University Dr. Bijendra Singh Ji on 19th and 20th July 2024 and praised the quality laboratory and technology in the university, as well as also praised the work being done in the field of natural farming. Next day, Governor of Gujarat, Shri Acharya Devvrat Ji, Shri Surya Pratap Shahi Ji participated in the massive tree plantation program "*Ek Ped Maa Ke Naam*" in the University, in which thousands of trees were planted along with students and scientists. After this, Governor gave guidance to the farmers for natural farming in the Natural Farming Sangosthi. Honorable Governor and Agriculture Minister highly praised the work being done in the university and congratulated the university on achieving NAAC A^{++} grade.



Governor of Gujrat Acharya Devvrat Ji alongwith Shri Surya Pratap Shahi Ji and Vice Chancellor fed natural gur to the dairy cow on 19 July 2024

Awards

- Krishi Vigyan Kendra Bahraich I and Jaunpur I awarded for Crop Residue Management work; Krishi Vigyan Kendra Gorakhpur for NICRA work; Krishi Vigyan Kendra Amethi for Natural farming work; and Krishi Vigyan Kendra Azamgarh II, Ghazipur II, Chandauli and Barabanki for ScSP work during Annual Zonal Workshop of KVKs of UP.
- Farm N Food Krishi Samman Award 2024 awarded to Krishi Vgyan Kendra Jaunpur I and Amethi for its significant contribution in the field of agriculture on dated 17 October 2024.
- KVK Mau got awarded as Best Exhibition Award during Kisan Mela – 2024 organized by ICAR- Indian Institute of Seed Science, Mau on 18 October 2024.
- Krishi Vigyan Kendra Bahraich I, Bahraich II, Barabanki and Gonda II received the **Outstanding Award** for outstanding work in the field of agricultural technology dissemination during National Farmers Day organized by Integral Institute of Agricultural Sciences and Technology (IIAST), Integral University, Lucknow on 24 December 2024.
- Krishi Vigyan Kendra Barabanki and Jaunpur I awarded with State Level Inter Agriculture University Utkrisht Krishi Vigyan Kendra Award – 2025 held at the University campus on the occasion of 48th Vice Chancellors Convention of Indian Agricultural Universities on 13-14 February, 2025.

STUDENTS' WELFARE

Prof. D. Niyogi, Dean

Dean Students' 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. Under the able guidance of Hon'ble Vice Chancellor, office of the Dean Student's Welfare holds the responsibility of organizing and managing all matters related to students welfare, conduct and discipline.

HOSTELS:

Being a residential University, Narendra Deva University of Agriculture and Technology has a total of **26 hostels** providing comfortable and safe accommodation for students.

Status of Hostels and their strength (Boys)

S. No.	Name of Hostel	Total Room	Capacity	Occupancy
1.	Yamuna Hostel	104	130	130
2.	Ganga Hostel	108	108	100
3.	Saryu Hostel	112	112	136
4.	Achrawati International Hostel	20	40	39
5	Kalindi Hostel	64	106	104
6	Varuna Hostel	109	109	156
7	Amrawati	46	129	126
8.	Hirnawati Hostel	58	116	114
9.	Rohini Hostel	40	120	115
10.	Brahmhaputra Hostel	40	120	117
11.	Anoma Hostel	35	105	101
12.	Saraswati Hostel	50	100	120
13.	Kisan Bhawan Hostel (I)	86	130	128
14.	Kisan Bhawan Hostel (II)	22	52	51
15.	Godawari Boys Hostel (MCAET)	56	112	61
16.	Kavery Hostel (MCAET)	41	123	27
17.	Azamgarh Hostel (Boys)	88	264	233
18.	Tamsa Hostel	56	140	135

Status of Hostels and their strength (Girls)

1.	Gomti Hostel	53	121	132
2.	Niranjana Hostel	19	38	41
3.	Gomti (Phase-2)	20	60	91
4.	Rapti Hostel	34	68	71

5.	Mandakini Hostel	50	100	140
6.	Girls Hostel (MCAET)	18	30	19
7.	Azamgarh Hostel (Girls)	16	48	38
8.	Sindhu Enclave (A -Type)	85	163	178

DSW/Hostel Warden/Assistant Hostel Warden

S. No.	Name	Designation
1.	**Dr. D. Niyogi**	**Dean Student Welfare**
2.	**Dr. S. P. Singh**	**Assoc.Dean Student Welfare**
3.	**Dr. Shiv Nath**	**Hostel Warden**
4.	Dr. Mahendra Kumar	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 (Hirnawati)
21.	Dr. Alok Kumar Pandey	AHW (Rohini)
22.	Dr. Dinesh Kumar	AHW (Brahmhaputra)
23.	**Dr. N.A. Khan**	**Hostel Warden**
24.	Dr. Shashank. Singh	AHW (Anoma)
25.	Dr. Abhinandan Singh	AHW (Saraswati)
26.	**Dr. J.P. Singh**	**HW (Kisan Bhawan)**
27.	Dr. Pramod Kumar	AHW (Kisan Bhawan)
28.	**Dr. Diwakar Singh**	**HW (Teacher Hostel)**
29.	Dr. Devendra Kumar	AHW (Teacher Hostel)
30.	**Smt. Sarita Sriwastava**	**HW (**Sindhu Enclave**)**
31.	Dr. Harshita	AHW (Sindhu Enclave)
32.	Dr. Priyanka Jaiswal	AHW (Sindhu Enclave)

33.	**Dr. P.K. Mishra**	**Hostel Warden** (MCAET)
34.	Dr. Manish Kumar	AHW (Godawari Mahila Hostel)
35.	Dr. Vikash Kumar Singh	AHW (Kavery Hostel)
36.	**Dr. Vinay Kumar**	**Hostel Warden (Azamgarh)**
37.	Dr. Vimlesh Kumar	AHW (Azamgarh)
38.	Dr. Sandeep Kumar Pandey	AHW (Azamgarh)

Financial Aids/Scholarships:

The financial assistance is available for 100% students who are eligible. There are about 12 types of scholarships such as University Merit 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 enrolled students.

Details of Scholarships in the University:

Sl. No.	Details of Scholarships	No. of Students	Amounts	Remarks
1-	**University Merit Scholarship**			
a)	Ph. D.	14 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	-
3-	Indian Council of Social Science Research (ICSSR)	01 Student	Rs. 130000/ - per semester	-----
4-	Junior Research Fellowship for M. Sc. (Ag./Home Science) students	-02 Students	Rs. 12640/- per month	Selected by ICAR through entrance examination.
5-	SRF for Ph. D. students	--	------	Selected by ICAR through entrance examination.
6-	DST/INSPIRE Fellowship	--	Rs. 25,000/ - per month+ HRA + Contingency	Selected by UGC through entrance examination
7.	National Talent Scholarship B.V.Sc. & A.H. and B. Sc. (Ag./ Home Sci./ Ag. Engg./ Fisheries/ Hort.)	149 Students	Rs. 3000/- per month	Selected by UGC through entrance examination
8-	National Talent Scholarship M. Sc. (Ag./ Home Sci./ Ag. Engg./ Fisheries/ Hort.)	32 students	Rs. 5000/- per month	Selected by UGC through entrance examination
9.	**U.P. Mandi Parishad Scholarship**			
a)	M. Sc. (Ag.)	14 Students	Rs. 3000/- per month	These scholarships h ave 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.)	06 Students	-do-	
c)	B. Sc. (Ag.)	84 Students	-do-	
d)	B. Sc. (Home Sci.)		-do-	

10.	**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	442	Rs. 1200/- per month	
b)	General Category Scholarship	524	-do-	
c)	OBC Category Scholarship	878	-do-	
d)	Minority Category Scholarship	37	-do-	

During the academic year 2024-25, **100% students (UG & PG)** of the university have been benefitted with the scholarship from different sources. The students of different categories have got scholarships and fee reimbursement from the **Social Welfare**, Other Backward Class and Minority departments of **U.P. Government** which are as follows:

(i) Scheduled caste / tribes category - 442 students

(ii) General category - 524 students

(iii) Other Backward castes category - 878 students

(iv) Minority category - 37 students

No. of total students - 1881 students

Other scholarships

- **Mandi Parishad Scholarship - 104** students (UG & PG)
- **ICAR National Talent Scholarship - 149 UG students and 32 PG students**
- **University Merit Scholarship - 14** Ph.D. students**,**

➢ List of Officer In-Charge, Sports Presidents

1.	Dr. Sanjay Pathak	Officer In-charge, Sports & Games	12	Dr. Mamta Kumari	President, Girl's Sports
2.	Dr. Naveen Kumar Singh	Assistant Officer In-charge (Indoor Sports & Games)	13.	Dr. Aastik Jha	President, Swimming
3.	Dr. Deo Narayan	Asstt. Prof. (Sports & Games)/President, Athletics	14.	Dr. Shashank. Singh.	President, Scientific Programmes
4.	Dr. Sanjeet Kumar	President, Lawn Tennis	15.	Dr. Prachi Shukla	President, Social Programmes
5.	Dr. Poonam Singh	President, Cultural Programmes	16.	Dr. Vinod Kumar Singh	President, Cricket
6.	Dr. Asish Kumar Singh	President, Basket Ball	17.	Er. Om Prakash	President, Table Tennis
7.	Dr. Ajay Tripthi	President, Discuss/ Debate	18	Er. V.K. Singh	President, Volleyball
8.	Dr. Adesh Kumar	President, Badminton	19.	Dr. Dharmesh Tiwari	President, Kabbadi
9.	Dr. Akash Gaurav Singh	President, Football	20.	Dr. Susheel Kumar	President, Hockey
10.	Dr. S.P. Singh	President, Kho-kho	21.	Dr. Diwakar Singh	President, Body Building / Yoga
11.	Dr. Sanjeev Kumar	President, Handball			

The university added facility for Billiards game in the multi-purpose hall



Billiard table in the multipurpose hall

Sports Activities:-

- The University has celebrated the **"National Sports Day" (29th August, 2024) in** which 617 students of six houses (Green, Yellow, Blue, Red, Purple and Pink)of the university participated in different Sports (Volley ball, Basketball, Table Tennis and Badminton). The players who secured first, second and third place in the competition of different sports events were honored with medals and certificates.
- On the occasion of the **26th Convocation of the university, traditional sports & games** were organized on 14th and 15th September, 2024 in which 417 students of six houses of the University participated. Different types of traditional sports were organized in the sports grounds of the university like Gillidanda, Chess, Yoga, kith-kith, 100 meter race, long leg race, Puss-up etc. The winners of the competitions were honored with medals and certificates.





Traditional Games on Convocation week celebration

Cultural Programme:-

- University participated in 38th AIU inter university National Youth Festival, ANDUAT at Dr. Hari Singh Gaur Vishwavidyala, Sagar M.P. (26-30th Nov. 2024).



Our students stood 1st in Debate, 2nd in Elocution and 3rd in Installation

- On 148th birth anniversary of 'Iron Man of India'SardarVallabhbhai Patel, National Unity Day or Rashtriya Ekta Divas was celebrated on 21-22 January 2025 at Raj Bhawan, Lucknow. The Students of our university acquired the **first position** in singing **'Patriotic song'** and **second position** in**'poem writing and recitation** 'among the participating students from 36 universities of the State.





Celebration of the 148th Birth Anniversary of the 'Iron Man of India'SardarVallabhbhai Patel, as *Rashtriya EktaDiwas* (National Unity Day) at Raj Bhawan, Lucknow on 21st–22nd January, 2025.

- University participated in 38thAIU inter university National Youth Festival held at Amity University UP, Noida Campus (3rd-7th March, 2025).



Participation in the 38th AIU Inter-University National Youth Festival held at Amity University, Uttar Pradesh (Noida Campus) from 3rd to 7th March 2025.

- **International Day of Yoga:**

  University celebrated "International Day of Yoga" on 21st June, 2024 with 2600 officers/scientists/teachers/employees and students of the Yoga Day practicing different yoga under the supervision of yoga instructors at the same time. Training was given to all participants by yoga instructors regularly for one month. In addition, yoga related events/competitions like quiz, painting, rangoli and yoga asanas competition etc were also organized for a week prior to the Final Yoga Day celebration.

NCC

The university is having Full unit of NCC of UP 13/65 Battalion Ayodhya. Recently 20 cadets were awarded 'B' certificate. The cadets also attended annual NCC camp at Dogra Regiment, Ayodhya Cantt. The cadets also supported blood donation drive with 08 students donating the blood.



Felicitation of NCC cadets by Hon'ble Governor, Uttar Pradesh



Guard of Honour to Hon'ble Governor, Gujarat



Distribution of 'B' Certificate by Hon'ble VC to the NCC Cadets



Interaction of Hon'ble Vice Chancellor with NCC officials



A girl cadet at camp



Participation of NCC Cadets in Blood Donation

- **NSS activities:**

  Seven units of NSS (700 volunteers) is in operation in the university. All NSS units are involved in social welfare activities & different types of awareness campaigns like Nasha Mukti, Plastic Free Society, Voter Awareness, Blood Donation, Plantation Drive, Ek Ped Ma ke Naam, Cleanliness Drive etc.



Cleanliness drive



Plantation drive by the volunteers of NSS



Awareness campaign on "Nasha Mukti"

Hostel renovation:

Renovation of Kalindi, Varuna, Amarawati, Gomti, Niranjana, Saryu, Saraswati, Anoma and other hostels has been done. Sixteen (16) A type quarters has been converted into Girl's hostel in the name of "Sindhu Enclave" after proper renovation and raising boundary wall.

Anti-Ragging Measures:

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

- Hon'ble CM of U.P. Shri Yogi Adityanath distributed tablets 1387 students.



Tablet Distribution

- The Cycle rally, Debate and Quiz competitions were organized on the occasion of centenary celebration of **"Kakori Train Action" on 9th August, 2024.** The 600 officers/scientists /teachers/employees and students of the University participated in the cycle rally which was flagged off by the Hon'ble Vice chancellor of the University.



"Cycle Rally" on 9th August, 2024

- On the Occasion of IndependenceDay, 'TirangaYatra' was organized on **13thAugust, 2024** under the "Har Ghar Tiranga" Programme. Around 1500 participants including Scientists, Teachers, Staff, NCC cadets, NSS Volunteer and other Students of the University participated in the Rally.



"Tiranga Yatra" on 13thAugust, 2024

- Vibhajan Vibhishika Smiriti Diwes was celebrated on 14th August, 2024 by delivering lectures & organizing different completion viz. Quiz, Panting and Poster making.





Hon'ble Vice Chancellor addressing the students during Vibhajan Vibhishika Smriti Diwas

- Under the awareness campaign to **"Visit Spiritual Places"**, cycle rally was organized on **22nd March, 2025** in which about 400 students of the university participated in the 80 km bicycle journey. The journey was completed by visiting various spiritual temples in Ayodhya district and in the villages.



Cycle rally for "Visit Spiritual Places" On 22nd March, 2025

- Organization of Swastha Sansad from 19th to 21st July, 2024



A glimpse of Swastha Sansad

➢ **Lecture by eminent scientists**

Expert lecture on Application of Laser Technology in Agriculture and National education policy 2020 by Dr Lalita, Former Prinicipal Scientist DRDO and Dr R C Agrawal, DDG Agriculture Education, ICAR





Expert Lecture by DDG ICAR Dr. RC Agrawal and Dr Lalitha

DIRECTORATE OF PLACEMENT

Prof. (Dr.) D. Niyogi, Director
Dr. Satyavrat Singh, Deputy Director

Directorate of Placement intends to provide proper guidance, know-how of the job opportunities in the field of Agriculture and allied areas to facilitate the employment of outgoing students of the university every year. It is engaging different firms for soft skill development of students through workshops and trainings and inculcating human values. It organizes activities for grooming, confidence building and overall personality development of the students who hail mainly from rural background. In addition, it renders training on resume building, interactive group discussion, eye catching interview performance with the aim to explore jobs in agriculture and allied sectors. The directorate firmly believes in strengthening the students to the extent that they find and grab the jobs of their choice.

➢ Placement Activities

The Directorate coordinates with different firms and offer placement services to the students. It is also working to provide internship opportunities to the ABM students.

1.	GVK Enterprises	08
2.	Zeneva Crop Science Pvt. Ltd.	06
3.	Samarthya Milk Producer	**04**
4.	Shwetdhara	**04**
5.	NDDB	**01**
6.	Reliance retail	**13**
7.	**Farmerface**	**25**
8.	VNR Seeds	**03**
9.	Dayal group	**04**
10.	DeHaat	**02**
11.	**GCMMF (AMUL)**	**03**
12.	**Ecosafe Agriscience**	**05**
13.	**Bigbasket**	**03**
14.	**Tata Rallis**	**01**
15.	**Big basket**	**03**
16.	**Hyper pure**	**01**
17.	**Safexpress**	**01**
18.	**Kuboto escort**	**01**
19.	**Tractor & farm development**	**04**
20.	**Eicher tractors**	**06**



कृषि विवि में 13 छात्रों को मिली नौकरी

अयोध्या (एसएनबी)। आचार्य नरेंद्रदेव कृषि एवं प्रौद्योगिक विश्वविद्यालय में रिलायंस रिटेल ने छात्रों के प्लेसमेंट के लिए साक्षात्कार आयोजित किया। इसमें 13 अभ्यर्थियों को रोजगार के लिए चयनित किया गया। विश्वविद्यालय स्थित डायरेक्टरेट ऑफ प्लेसमेंट की प्रक्रिया कुलपति डॉ. बिजेंद्र सिंह के दिशा-निर्देशन में आयोजित की गई। कुलपति ने कंपनी में चयनित छात्र-छात्राओं को बधाई एवं उनके उज्ज्वल भविष्य की कामना की।

रिलायंस रिटेल के चार मैनेजर राहुल गुप्त, रक्षित माथुर, रंजन, नीरज श्रीवास्तव एवं एचआर सपना मिश्र ने अभ्यर्थियों का साक्षात्कार लिया तथा उनसे प्रभावित होकर 13 छात्रों का चयन किया। चयनित छात्रों को अपने शैक्षिक प्रमाण पत्र जमा करने के लिए कहा गया है जिसके बाद अगस्त के पहले सप्ताह में नियुक्ति पत्र प्रदान किया जाएगा। कैंपस प्लेसमेंट में कृषि तथा उद्यान एवं वानिकी महाविद्यालय के 30 छात्र-छात्राओं ने प्रतिभाग किया। डायरेक्टरेट ऑफ ट्रेनिंग एंड प्लेसमेंट के निदेशक डॉ. डी नियोगी ने छात्र-छात्राओं से सदैव सकारात्मक सोच के साथ कार्य करने की अपील की। उपनिदेशक डॉ. सत्यव्रत सिंह ने बताया कि अगस्त के पहले सप्ताह में चयनित अभ्यर्थियों को नियुक्ति पत्र दिया जाएगा। बताया कि आगामी दिनों में कई अन्य प्रतिष्ठित कंपनियां छात्रों के प्लेसमेंट के लिये विश्वविद्यालय पहुंचेंगी।

साक्षात्कार में चयनित अभ्यर्थी। फोटो : एसएनबी

कैंपस प्लेसमेंट में 38 छात्र छात्राओं को मिला नियुक्ति पत्र

स्वतंत्र भारत कुमारगंज (अ.) आचार्य नरेंद्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय में फार्मर फेस कंपनी ने छात्रों के प्लेसमेंट के लिए साक्षात्कार आयोजित किया। इस साक्षात्कार में लगभग 100 छात्र छात्राओं ने प्रतिभाग किया। विश्वविद्यालय स्थित डायरेक्टरेट ऑफ प्लेसमेंट की प्रक्रिया कुलपति डा. बिजेंद्र सिंह के दिशा-निर्देशन में आयोजित किया गया। कुलपति ने प्रतिभागी छात्र-छात्राओं के उज्ज्वल भविष्य की कामना की है। फैंपस प्लेसमेंट के लिए विभिन्न महाविद्यालय के स्नातक एवं परास्नातक के अभ्यर्थियों ने प्रतिभाग किया। फार्मर फेस कंपनी के निदेशक की ओर से विश्वविद्यालय के कुल 38 छात्र-छात्राओं को चयनित कर उन्हें नियुक्ति पत्र दिया गया। इस मौके पर कृषि महाविद्यालय की अधिष्ठाता डॉ प्रतिभा सिंह, डायरेक्टरेट ऑफ प्लेसमेंट के निदेशक डा. डी. नियोगी, प्लेसमेंट, डा. सुरभि, डॉ आनंद, सहित अन्य लोग मौजूद रहे।

➢ **Other activities coordinated by placement directorate to impart training to students focusing on their personality development**

- **Workshop on "Startup Spark: Agripreneurship Awareness Program"**

One day workshop on "Startup Spark : Agripreneurship awareness program" was organised by Acharya Narendra University of Agriculture and Technology on 23.12.24 under the able guidance of Hon'ble Vice Chancellor Dr Bijendra Singh in collaboration with ICAR - CISF Lucknow. The resource persons Dr Ravi SC, Dr Karamveer and Dr Alok, scientists from ICAR-CISH ignited the young minds on entrepreneurship, Business opportunity identification, Financial literacy government schemes. Program was attended by 49 post graduate students from Agri-business Management, Food and Nutrition, Fruit Science, Vegetable Science, Post Harvest Technology, Dean College of Agriculture Dr Pratibha Singh showered her blessings to the students. Program was also attended by Dr Jaswant Singh, Dr Umesh Chandra and Dr Supriya. The coordinators of the program were Dr S. V. Singh and Dr Ashutosh Chaturvedi. The program was sponsored by Development Commissioner Ministry of MSME New Delhi Government of India.





Glimpses of **"Startup Spark :Agripreneurship Awareness Program"**

- **World Entrepreneurship Day or Udyamita Diwas** was celebrated on **21st August 2024** in which faculty and students miss Ishita Omar and Mr Arun Arya to encourage students towards entrepreneurship and startups. Every year on August 21st, the world marks World Entrepreneurs' Day, an occasion to honor those who have the courage to create their own paths in the field of business. The purpose of this day is to increase public awareness of the critical roles that entrepreneurship, innovation, and leadership play in promoting societal advancement and economic success. On this day, people get together from all over the world to exchange ideas, tell stories, and encourage one another to follow their business ambitions.

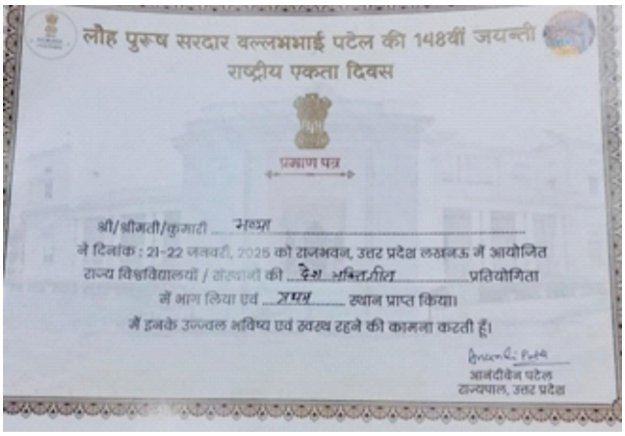


Dr Supriya interacting with the participants



Miss Ishita omar expressing her view

- **National Unity Day or** *Ektā Divas* was celebrated on **31st October 2024**. On the directives of Hon'ble Chancellor for the first time inter university debate, poem, song and skit competitions were organized at different universities. At zonal level, Miss Bhavya got second in solo sing singing at Siddharth University, Mr Vikas Chaurasia got second at Gorakhpur university and Shreya scored third in mono acting. The finals were organised at Raj Bhawan on 21-22 January, 2025 in which Miss **Bhavya scored first position in patriotic song and Mr Vikas Chaurasia stood second in poem writing competition.**





- **NAAS Student Elocution Contest Zone V**

Acharya Narendra Deva University of Agriculture and Technology hosted National Academy of Agricultural Sciences (NAAS) Student elocution contest Zone V on **27th December, 2024**. It was attended by 16 students and 08 Nodal Officers representing 8 different agriculture universities / ICAR institutes. Hon'ble Vice Chancellor Col. (Dr) Bijendra Singh was the chairman of the program. The participants were judged by the panel of experts comprising of Dr SK Pandey, Former Director, ICAR- CPRI, Shimla, Dr Mathura Rai, Former Director, ICAR-IIVR, Varanasi and Dr Rakesh Pandey, Professor Emeritus. The coordinator of the program was Dr D Niyogi (Nodal Officer), Convener was Dr S. V. Singh and Co- Convener was Dr Zeba Jamal. The topic of elocution was "Frontier Sciences in agriculture for developed India". The winners of the contest were Mr Pushpit Joshi from ANDUAT and second position was shared by miss Shagun from GBPUAT, Pantnagar and Samikhya Panda from BHU, Varanasi





Glimpses of NAAS Elocution Contest

- **State level inter Agricultural university elocution contest** was organized at ANDUAT on 17th January 2025 during 48th Vice Chancellor convention. Four topics were decided: Digital agriculture in India, Agritourism in India, Role of Agriculture in one trillion economy of UP., cutting edge agricultural innovations for developed India. The event was attended by 28 students from 05 universities. In the topic Digital Agriculture in India, Chaistha from DUVASU, Mathura stood first followed by Sandeep Singh from DUVASU and Divyansh Mani Tripathi from ANDUAT, Ayodhya. In the theme "Agritourism in India",

Shubhankar Srivastava of ANDUAT got first position followed by Geetakshi Saroha from SVPUAT, Meerut, Vijaylakshmi and Arun Arya from ANDUAT. Saurabh Shukla attained first position in the topic "Role of Agriculture in One Trillion Economy" and Pushpit Joshi secured first position in theme "Cutting edge agricultural innovations for developed India"





Glimpses of State level Elocution Contest

- **Sushasan Diwas** was organized with poem and debate competition to mark the 100th birth anniversary of former Prime Minister Shri Atal Bihari Vajpayee ji. The students recited famous poems of Atal ji.



Miss Vijaylaxmi delivering her speech



Mr Arun Arya reciting poem of Atal Bihari Vajpayee ji

- **Pehli Udaan**

Pehli Udaan was organized **in collaboration with Medha Learning Foundation, Lucknow** for internships for the students of College of Veterinary Science & Animal Husbandry and College of Fisheries **on 06-09-24.**

The resource persons were Mr Ravi Ranjan, Mr Osama and Mr Fawad from **Medha Learning Foundation, Lucknow**. The aim of the program was to improve the soft skills of the students and also to prepare them for interviews, resume writing and facing interviews with self-confidence and financial management



Participants from College of Veterinary



Science Participants from College of Fisheries Science



Mr Fawad from Medha learning taking session

- **Universities students attain top positions in literary competitions at Association of Indian Universities (AIU)** competitions held at Noida. In Elocution competition, the topic was "The Rise of Entrepreneurship and Startup Culture in India: A New Economic Revolution" in which the fourth year B.V.Sc. & A.H. student Mr Pushpit Joshi secured second rank. In debate the 4th Year B.Sc. (Ag) student Mr Subhankar Srivastav and 4th Year B.V. Sc. & A.H. student Mr Pushpit Joshi debated on the topic "Social Media's Influence on Mental Health: A Necessary Evil or an Uncontrollable Crisis?" The selection of words and ideas impressed the judges and the students got the first prize. In Installation competition too, 4th Year students Miss Vrinda Verma, Miss Tulika, Mr Pushpit Joshi and Mr. Shubhankar Srivtastava secured 3rd position.





Students at Association of Indian Universities (AIU) competitions held at Noida

- **Release of student magazine "Avinya"**

A university magazine "Avinya" meaning innovation and creativity, was written, edited as well as designed by the students and was released by Hon'ble Governor on the inaugural ceremony of Vice Chancellor's Convention.





Hon'ble Vice Chancellor with the Editorial Team

Nehru Library

Dr. Subodh Kumar, Librarian

Nehru Library (Formerly Central Library) is the Main Library of this University. It was established in **1976.** The Nehru Library is housed with all modern amenities, and It is situated in a magnificent three storied building covering an area of 3617 square meters.It is one of the main parts of the University set up. Therefore, it exists to serve the objectives of the university. The Nehru library is performing a number of functions such as teaching, research, publication, conservation of knowledge, idea, and extension services. The clientele mainly consist of students, teachers, research scholars and occasionally alumni. There are total collection of Library is **70699.** The mission of the library provides information services an access to bibliographic, full text both in digital and printed form to support the scholarly and information needs of all students, faculty members and staff. library can be accessed online anytime. Readers can access about Nehru library at following address: http://216.48.178.228:81/

Internet/Wi-Fi Facilities: Library Provide free Internet and Wi-Fi facilities to the students and teacher So that student and Research scholars could get easily and rapidly access internet and wi-fi facilities.

Membership of the Library: All the permanent teacher, employees of university and enrolled students can take the membership of the university Library. In the session 2024-25 New student are enrolled in the library is **380**. And there are total member of the Library are **662.**



Users Visit the Library: Faculty Members, Students and outsiders Consulted Library:

S. N.	Year	Total Number of Faculty Members & Students	Total No. of Outsiders
1.	April 2024-March 25	26,699	631

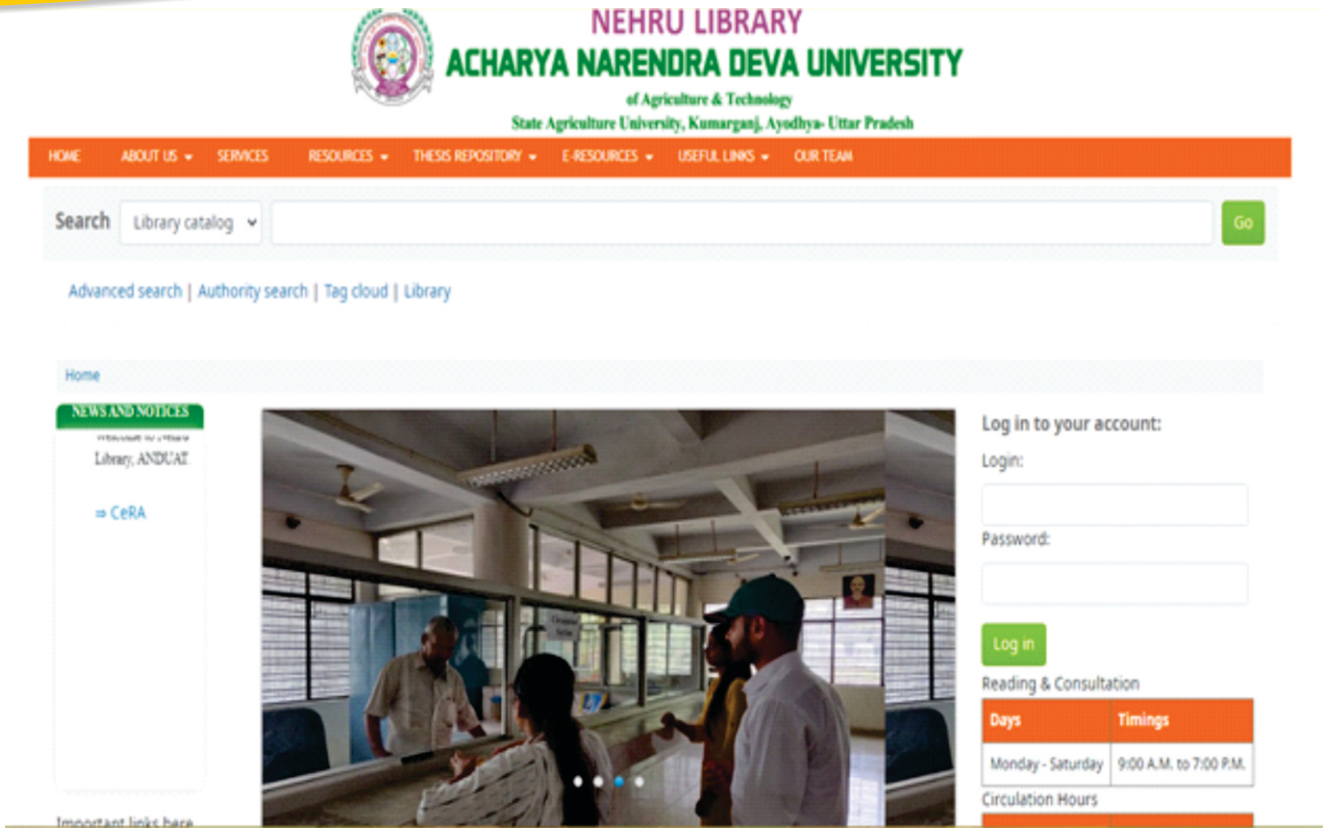
Library hours and management:

The library is open from 9.00 am to 7.00 pm on all working days. The library services are managed by Librarian and supporting staff. The Library is governed by the Library Advisory Committee (LAC).The LAC is the apex body for making policies for the library and functions under the chairmanship of Vice-Chancellor. The Dean of colleges, Directors, Head of the departments and controller are its member.

Days	Timings
Monday - Saturday	9:00 A.M. to 7 :00 P.M.

Entitlement for borrowing books from the Library:

Normally issue and return of Library reading material is operated in whole working day The Librarian can recall any Library reading material at any time if necessity arises. A valid member of the Library may borrow books for a limited period specified in the following Tables. If the due date for return of the book falls on holiday, the next working day will be considered as due date to deposit the borrowed book(s).



Entitlement for borrowing books from the Library

Users	Text Books	Total No. of Books, Manuals etc.	Duration of issuing books and other materials
Undergraduate Students	2	2	15 Day
Postgraduate Students and Research scholar	4	4	15 Day
Teaching Staff	8	8	One Month
Non -Teaching Staff	2	2	One Month
Research students/ Fellow (Jr./Sr.)	4	4	15 Day
Special Members	-	-	-

*Reserve books are to be issued overnight only. Renewal facility is also available.

Overdue Charges:

The following overdue charges are recovered for library material retained longer than period of loan from all borrowers:

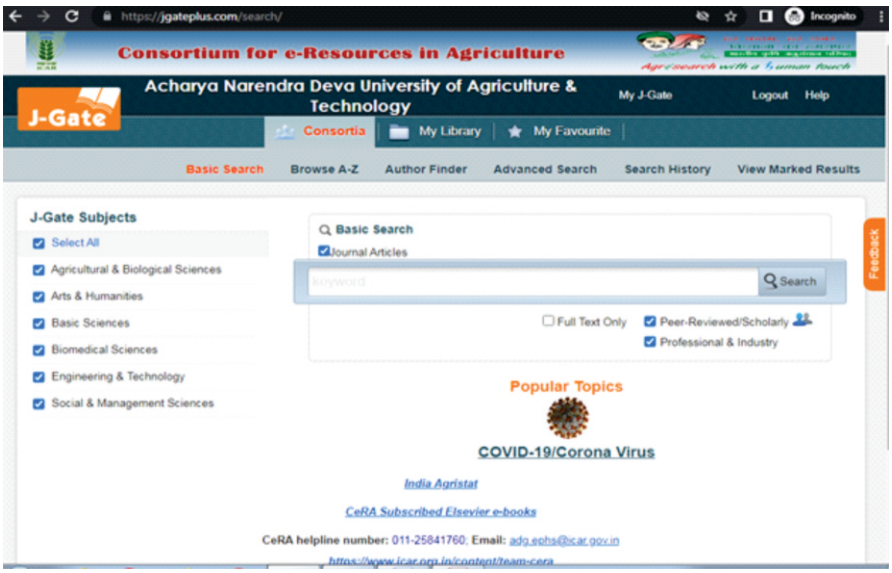
- General Books : 1 Rupess /- per day
- Text books and Bound Periodicals: 1 Rupees /- per day

Notes :-

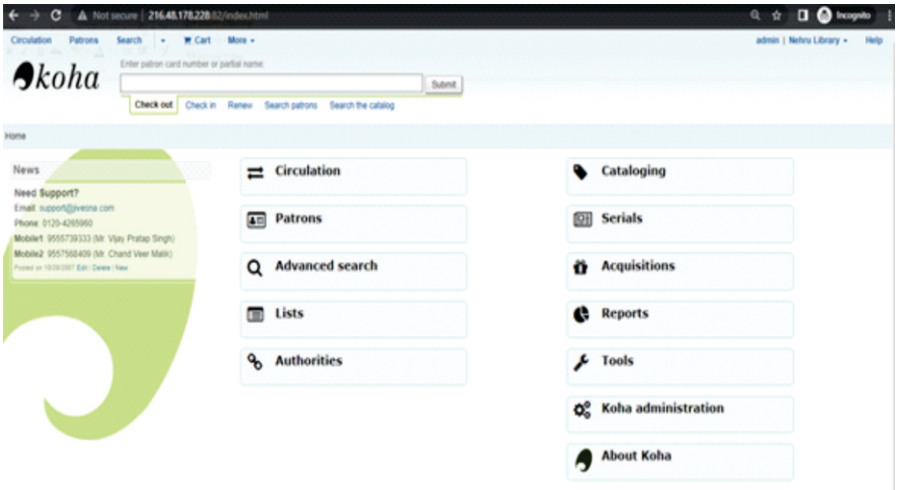
Fine can be reduced or remitted on reasonable grounds by the University Librarian or any official authorized by him on his behalf.

Reprography (Photocopy) services: The student can avail photocopying services from documentation unit. Photocopies of reading material and journal article are provided to students and staff members at the rate of Rs. 1.00 per page. About 1000 photocopies were provided during the period.

J-gate CeRA Services: Nehru library has a regular subscription of consortium for e-resources in agriculture (**CeRA)** and J gate for effective use of Student, research scholar, Scientist and teacher can access e-journal and E-book. CeRA Provide total 1800+ e-Journal, in which 131 Indian Agricultural Journal , 1174 e-Book and annual Review 22 on **CeRA.** During Session2024-25 Total 521 student have been registered on CeRA. And about **1844** users of our university taking advantage of CeRA.



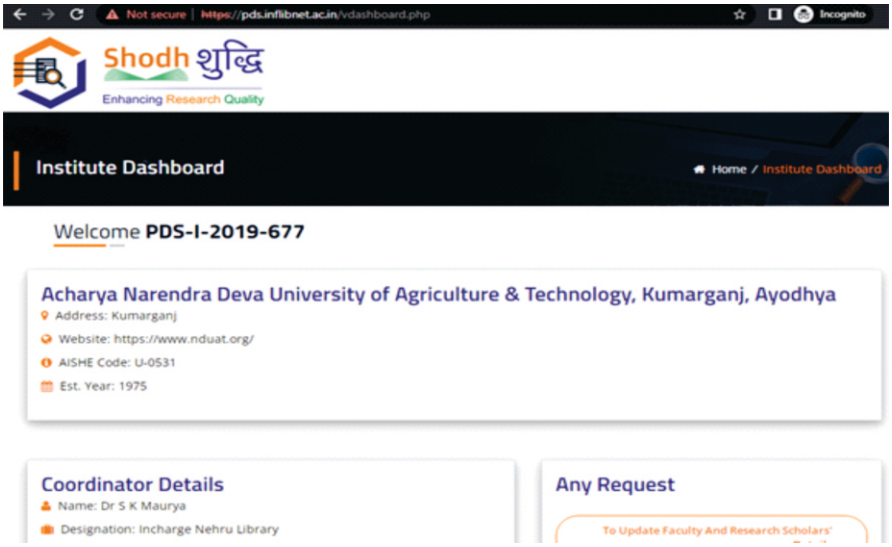
Koha:



Digitization of Library: Nehru library upgrade their automation and digitalization program so that student , researcher can get easily and rapidly accessing the book, journal, thesis. So Library use integrated library management system **"Koha"** on which books are upload. Student can access resources of library on following **weblink/website address:** http://216.48.178.228:81/

Plagiarism Detection Software (Drillbit-PDS):

Nehru library has accessed the Plagiarism detection software "**Drillbit-PDS**" on which 161 faculty member are registered .



E-Theses Services: Student, research scholar, Scientist and teacher can access and taking advantage of e-Theses on **Shodhganga and Krishikosh.** Thesis uploaded on Shodhganga 1207 and on Krishikosh 571.

Shodhganga : a reservoir of Indian theses @ INFLIBNET The Shodhganga@ INFLIBNET Centre provides a platform for research students to deposit their Ph.D. theses and make it available to the entire scholarly community in open access.

Amended Memorandum of Understanding (MoU):

Amended Memorandum of understanding**(MoU)** was signed for Shodhganga between ANDUAT and INFLIBNET . Thesis uploaded on Shodhganga 1207.

Krishikosh (कृषिकोष): Thesis uploaded on Krishikosh 571.

Other Open Source Useful link:

Nehru Library Provide some other open sources useful link, http://216.48.178.228:81/ for e-access of book ,Journal and other e-content so that user can boost your knowledge related research and development.

1. NDL (National Digital Library)
2. DOAB (Directory of open Access Book)
3. DOAJ(Directory of open Access Journal)
4. PLOS (Public Library of Science)
6. NAL (National Agricultural Library)
7. AgEcon (Agricultural Economic)
8. Pubmed (It is free search engine. It is like a database .Reader use related medicine.
9. e-Krishishiksha 10. e-PG pathshal 10. e-Gyankosh.

Library Budget:

Annual Budget allocation of year April 2023 to March 2024 has been presented in the following table.

Expenditure (in ₹)				
Books	Journal	E-Books	Other	Total Rs. In lakhs
560703	Nil	Nil	998511	15.59

Summary

Total Member Visited (Foot fall)	26,669
Number of Books Procure	699
Number of Title of BooK	103
Total Number of Collection	70699
Monthly Magazine	12
Daily News Paper	12
Purchase of Chair	80
Purchase of Table	10
Book Shelf	10
Digitalization of Books	15,560
New Membership of Library	380
Total Membership of Library	662
CeRA Hits	14,626
Login on CeRA	3103
Document View on CeRA	1602
Search on CeRA	4160
Journal Finder on CeRA	2856
Profile created on CeRA	347
Thesis uploaded on Shodhganga	246
New Member Register on Drillbit	47
Amended Memorandum of Understanding **(MoU)** was signed for **Shodhganga** between ANDUAT and INFLIBNET on which 246 thesis were uploaded.	

- New Plagiarism Detection Software Drillbit has been adopted in University. Also Training among the Faculty member has been organised for proper use of drillbit.
- Courses taught

  A. Library and Information Services (PGS-501) – for P.G. students

  B. Library and Information Services (PGS-605) – for Ph.D. students

ADMINISTRATION AND MONITORING

Dr. Susant Srivastava, Director

Major actions accomplished during 2023-24

1. University got the NAAC A^{++} grade in very first cycle. It is the first agriculture university in India to be awarded highest NAAC grade.



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare
Acharya Narendra Deva
University of Agriculture and Technology, Kumarganj, Ayodhya
Kumarganj, Ayodhya, Faizabad, Uttar Pradesh as
Accredited
with CGPA of 3.53 on four point scale
at A++ grade
valid up to May 29, 2029

Date : May 30, 2024

Director

IIC(SC)/201/1st Cycle/UPUNGN112787



2.	During the period, a total of 60 teachers including 32 Assistant Professors, 23 Associate Professors and 5 Professors were recruited.
3.	In KVKs , 07 Programme Coordinators (PC) and 28 Subject Matter Specialists (SMS) were recruited.
4.	Under the Career Advancement Scheme, 05 Assistant Professors to Associate Professors and 15 Associate Professors to Professors were promoted.
5.	During the April 2024-March 2025, 158 employees were granted Assured Career Advancement (ACP)
6.	06 individuals were recruited under the ‘ Mritak Ashrit’ .
7.	Under the regularization process, 14 daily wages workers were employed permanently.
8.	Biometric mode of attendance was in practice for students and teachers.
9.	The relevant information on 120 formats was continuously sent by the University to the Raj Bhawan , Uttar Pradesh.
10.	Implementation of ‘Samarth Portal’ for academic, financial and administrative purposes.

AWARD OF DEGREES

s.no.	Degree programme	Number of boys degree holder	Number of girls degree holders	Total degree recipients
1.	**College of Agriculture, Main Campus**			
	UG	98	27	125
	PG	110	40	150
	MBA(Agri business)	23	01	24
	Ph.D.	09	03	12
2	**College of Agriculture, Azamgarh**			
	UG	46	09	55
3	**College of Horticulture & Forestry**			
	UG	33	06	39
	PG	35	13	48
	Ph.D.	08	01	09
4	**College of Veterinary Science & Animal Husbandry**			
	UG	41	10	51
	Ph.D.	05	-	05
5	**College of Community Science**			
	UG	-	12	12
	PG	-	03	03
	Ph.D.	-	01	01
6	**College of Fisheries**			
	UG	**20**	**04**	**24**
	PG	**07**	**-**	**07**
7	**Mahamaya College of Agriculture Engineering & Technology**			
	UG	20	04	24
	PG	05	01	06
	Total number of degrees	**460**	**135**	**595**
	Percentage of Boys		**77.31**	
	Percentage of Girls		**22.69**	

Medals awarded to students during 26th Convocation

S no.	Gold medals	Numbers
1	Chancellor gold medal	08
2	Vice Chancellor gold medal	11
3	University gold medal	08
4	Total gold medals	27
5	Number of girls	15
6	Number of boys	12
7	Percent of girls	55.36%
8	Percent of boys	44.44%
9	Ratio of medal recipient boys and girls	05 : 04

FINANCE

The total budget and expenditure of the University for the Financial Year 2024-25 is as follows:

(Rs. in lakh)

S.No.	Financial source	Budget provision	Budget allocated /received	Actual expenditure
A	State Government (Revenue)	10910.81	10341.06	8854.81
	State Government (Capital)	3178.30	1995.63	1731.43
	Total	**14089.11**	**12336.69**	**10586.24**
B.	ICAR	5853.97	6118.39	5399.85
C.	Other Organizations	1153.67	300.25	167.62
	Total	**7007.64**	**6418.64**	**5567.47**
D	Revenue generated from its own resources	2761.50	2831.58	2831.12
	Total (A+B+C+D)	**23858.25**	**21586.91**	**18984.83**



Group photograph of Vice Chancellors - 48th Vice Chancellors' Convention of IAUA organized at ANDUAT from 13th to 14th February, 2025



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