ANNUAL REPORT

वार्षिक प्रतिवेदन

2023-24

SARDAR VALLABHBHAI PATEL UNIVERSITY OF
AGRICULTURE & TECHNOLOGY, MEERUT-250110 (U.P.)

सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय, मेरठ–250110, (उ. प्र.)

University

ACTIVITIES

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Sardar Vallabhbhai Patel University of Agriculture and Technology,
Meerut-250110, U.P., India
Phone: 0121-2888503, 0121-2888522
Fax : 0121-2888505
Website : www.svbpmeerut.ac.in

Published By

Dr. Triveni Dutt
Vice-Chancellor
Sardar Vallabhbhai Patel University
of Agriculture and Technology,
Meerut-250110, U.P. India

Compiled and Edited By

Dr. V.P. Singh
Dr. Prerana Sikarwar
Ms. Ridhima Narayan

Designed & Printed by

N.P. Enterprises
86/8 A, Dayalbagh, Suraj Kund Road,
Meerut-250002, Uttar Pradesh

CONTENT

SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE & TECHNOLOGY
MEERUT-250 110 (U.P.) INDIA

Dr. Triveni Dutt

Vice-Chancellor

Phone : 0121-2888522 (O)
: 0121-2888566 (R)
Web : svpuat.edu.in
E-mail : vc@svpuat.edu.in

MESSAGE

Agriculture is undergoing rapid transformation driven by technological advancements, climate change challenges, and the growing need for sustainable food systems. In this evolving landscape, agricultural universities have a critical responsibility to generate innovative solutions, develop skilled human resources, and strengthen the link between scientific knowledge and farming communities. Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, continues to pursue this responsibility with dedication and vision.

The University has consistently focused on strengthening the three pillars of agricultural development-education, research, and extension. Through its seven constituent colleges, the University provides quality education in diverse disciplines including Agriculture, Horticulture, Veterinary Science & Animal Husbandry, Biotechnology. Technology, Post-Harvest Technology & Food Processing, and Sugarcane Science & Technology. These programmes are designed to nurture competent professionals capable of addressing the emerging challenges of climate-smart agriculture, resource conservation, and sustainable rural development.

Our faculty members play a pivotal role in advancing the University's academic and research excellence. With their expertise and commitment, the University continues to foster a vibrant learning environment that encourages critical thinking, scientific inquiry, and innovation among students. The institution also actively promotes interdisciplinary research aimed at developing practical solutions for agricultural productivity, value addition, and environmental sustainability.

Research initiatives at the university are increasingly aligned with national priorities in agriculture and allied sectors. Projects supported by reputed funding agencies are enabling the development of improved technologies and management practices that address real challenges faced by farmers. These efforts contribute significantly to strengthening the agricultural innovation system of the region.

Extension and outreach remain at the heart of the University's mandate. Through its network of Krishi Vigyan Kendras and various farmer-oriented programmes, the University continues to disseminate improved technologies, conduct skill development training, and provide advisory services to farmers. By promoting climate-resilient practices, efficient resource utilization, and modern agricultural techniques, the University strives to enhance farm productivity and improve rural livelihoods.

The University also believes in nurturing well-rounded individuals. Students are encouraged to participate in sports, cultural activities, and community service programmes that promote leadership, discipline, and social responsibility. Such experiences complement academic learning and help prepare students to contribute effectively to society.

As we look ahead, the University remains committed to strengthening its role as a center of excellence in agricultural education, research, and extension. By fostering innovation, encouraging collaboration, and promoting sustainable agricultural practices, we aim to contribute meaningfully to national food security and rural prosperity.

I extend my sincere appreciation to the faculty members, staff, students, alumni, and stakeholders whose dedication and collective efforts continue to advance the mission of the University.

Triveni Dutt

SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE & TECHNOLOGY
MEERUT-250 110 (U.P.) INDIA

Dr. K.K. Singh

Former Vice-Chancellor

Phone : 0121-2888522 (O)
: 0121-2888566 (R)
Web : svbpmeerut.ac.in
E-mail : vc@svpuat.edu.in

MESSAGE

It gives me immense pleasure to present the Annual Progress Report of Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut. The University continues to uphold its commitment to excellence in teaching, research, and extension, striving to empower youth, uplift rural communities, and contribute meaningfully to the agricultural sector.

During the academic year, a total of 625 students were enrolled across the seven constituent colleges of the University. This includes 415 undergraduate, 139 postgraduate, and 71 doctoral students. These students are spread across disciplines such as Agriculture, Horticulture, Veterinary Science and Animal Husbandry, Biotechnology, Technology, Post-Harvest Technology & Food Processing, and Sugarcane Science & Technology, reflecting the University's strong academic diversity and commitment to excellence in agricultural education. Our academic environment is enriched by a committed team of 135 faculty members, including Professors, Associate Professors, and Assistant Professors, who remain actively engaged in teaching, research, and extension activities. Their unwavering dedication continues to shape future-ready professionals and foster a spirit of innovation across disciplines.

The University's research ecosystem remains vibrant and dynamic. In 2023-24, thirty-seven externally funded research projects were carried out under prestigious agencies such as UPCAR, DST, SERB, and RKVY. These projects span cutting-edge areas of agricultural and allied sciences, underscoring the University's commitment to addressing real-world challenges and contributing to the national research agenda.

Extension remains one of our core mandates. The University, through its wide network of Krishi Vigyan Kendras (KVKs), made a remarkable impact by bridging scientific research with practical field applications. These centers played a vital role in disseminating need-based technologies, enhancing farmer awareness, and promoting sustainable agricultural practices. Thousands of farmers benefited from training programs, demonstrations, and mobile advisory services, reflecting the University's grassroots connectivity and outreach.

Our students brought laurels through their enthusiastic participation in a wide range of co-curricular activities. From inter-university sports tournaments and cultural festivals to NCC and NSS programs, their involvement at both University and national levels reflects their all-around development. The annual games, held in December, featured over 500 student participants in various athletic and team events.

In alignment with our commitment to equity and access, the University successfully facilitated state and central scholarship programs. A total of 1,106 students across General, SC, ST, OBC, and Minority categories were awarded scholarships and fee reimbursements amounting to □5.15 crore, which substantially supported their academic journey and eased financial constraints.

As we move forward, we reaffirm our dedication to fostering innovation, inclusivity, and sustainability in all spheres of the University's functioning. I extend my heartfelt appreciation to the faculty, staff, students, and all stakeholders whose contributions continue to elevate the stature of this institution.

K.K. SINGH
Vice Chancellor

EXECUTIVE SUMMARY

Sardar Vallabhbhai Patel University of Agriculture and Technology (SVPUAT), Meerut, has continued to advance its mission of excellence in teaching, pioneering research, and farmer-centric extension activities. During 2023–24, the University undertook several initiatives that enriched academics, fostered innovation, and strengthened collaborations, thereby contributing significantly to agricultural education and development in Western Uttar Pradesh.

On the academic front, the University enrolled 625 students across its seven constituent colleges, offering programmes in diverse disciplines such as Agriculture, Horticulture, Veterinary and Animal Sciences, Biotechnology, Tecnhology, Post Harvest Technology & Food Processing, and Sugarcane Science & Technology. The 16th Convocation, held in February 2024, was a moment of pride when 518 degrees were conferred upon graduating students, with medals for academic excellence awarded by the Hon'ble Governor of Uttar Pradesh and Chancellor of the University. To ensure access and equity, the University successfully implemented scholarship and fee reimbursement schemes through state and central agencies. As a result, 1,106 students from General, SC, ST, OBC, and Minority categories benefitted from financial support worth ₹5.15 crore. Academic achievements extended beyond classrooms, as 41 students qualified for prestigious national-level examinations such as ICAR-NET, UGC-NET, CSIR-NET, GATE, and ASRB-NET, underscoring the scholarly depth and competitive preparedness of the student community. Furthermore, student participation in inter-university sports, cultural events, and community service activities such as NCC and NSS reflected their holistic growth.

The University's research ecosystem demonstrated sustained vibrancy during the year. A total of 37 externally funded projects, supported by agencies like DST, SERB, UPCAR, and RKVY, addressed region-specific challenges of agriculture and allied sectors. Research on crop production remained a core focus, with notable contributions in developing and validating high-yielding and stress-tolerant varieties of wheat, rice, sugarcane, and pulses. Innovative practices in integrated nutrient and water management, micronutrient enrichment, and soil fertility improvement were emphasized to enhance crop productivity and resilience under climate variability. In animal sciences, research outcomes included low-cost nutritional alternatives, disease management protocols, and value-added livestock product development, while biotechnology-driven studies offered new insights into molecular breeding and genetic resource utilization. The year also witnessed remarkable scholarly output with 214 publications in national and international journals, and the grant of a patent titled Fruit Ripeness Assessment Device (Indian Design No. 405552001) from the Patent Office, Government of India. Collectively, these achievements reinforced the University's vision of promoting sustainable and profitable farming systems in the region.

Extension activities, spearheaded through a strong network of 20 Krishi Vigyan Kendras and one Krishi Gran Kendra spread over 18 districts, continued to serve as the University's bridge between scientific research and practical field application. The Directorate of Extension played a central role in disseminating technologies and capacity building. During the year, it organized 648 training programmes and delivered 109 radio talks, benefitting thousands of farmers, rural youth, and women. On-farm demonstrations, field days, and mobile advisory services further accelerated the adoption of improved practices in crop cultivation, animal husbandry, and resource management. These initiatives not only empowered farmers with modern knowledge but also strengthened their ability to adapt to changing climatic and economic conditions.

Institutional collaborations and partnerships were further consolidated through the signing of 15 new

Memoranda of Understanding (MoUs) with national research institutes, industries, and private organizations. These MoUs have paved the way for collaborative research, technology transfer, skill development, faculty and student exchanges, and entrepreneurship promotion. Such partnerships are expected to significantly enhance the University's research capabilities while offering students greater exposure to industry-relevant skills and career opportunities.

Alongside academic and research advancements, the University made substantial progress in strengthening infrastructure, student welfare, and campus life. Well-equipped hostels, health facilities, sports complexes, and cultural amenities enriched the student experience. Signature events such as Spardha 2023, the annual sports meet, and Abhivyakti 2023, the cultural festival, fostered leadership, creativity, and teamwork. Observance of national days and community engagement programmes further instilled in students a sense of responsibility and national pride.

The governance of the University remained robust and participatory, with regular meetings of the Board of Management, Academic Council, Finance Committee, and Extension Council ensuring sound decision-making, financial accountability, and academic excellence.

In summary, the year 2023–24 has been a period of notable accomplishments for Sardar Vallabhbhai Patel University of Agriculture and Technology. With a strong foundation in education, a dynamic research environment, vibrant extension services, and growing institutional partnerships, the University continues to advance its mission of fostering innovation, inclusivity, and sustainability. Its contributions towards academic excellence, farmer empowerment, and rural development reaffirm its status as a leading center of agricultural education and research in the region.

कार्यकारी सारांश

सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय (एसवीपीयूएटी), मेरठ ने शिक्षण, प्रगतिशील अनुसंधान और किसान–केंद्रित विस्तार गतिविधियों में उत्कृष्टता के अपने मिशन को आगे बढ़ाना जारी रखा है। वर्ष 2023–24 के दौरान विश्वविद्यालय ने कई ऐसी पहलें कीं, जिनसे अकादमिक समृद्धि हुई, नवाचार को प्रोत्साहन मिला और सहयोगों को सुदृढ़ किया गया, जिससे पश्चिमी उत्तर प्रदेश में कृषि शिक्षा और विकास में महत्वपूर्ण योगदान हुआ।

शैक्षणिक क्षेत्र में, विश्वविद्यालय ने अपनी सात घटक महाविद्यालयों में 625 छात्रों का नामांकन किया, जो कृषि, उद्यान विज्ञान, पशु चिकित्सा एवं पशु विज्ञान, जैव प्रौद्योगिकी, प्रौद्योगिकी, कटाई उपरांत एवं खाद्य प्रसंस्करण और गन्ना विज्ञान एवं प्रोद्योगिकी जैसे विविध विषयों में कार्यक्रम प्रदान करते हैं। फरवरी 2024 में आयोजित 16वां दीक्षांत समारोह गौरव का क्षण था, जब 518 डिग्रियां स्नातक छात्रों को प्रदान की गई और शैक्षणिक उत्कृष्टता के पदक उत्तर प्रदेश की माननीया राज्यपाल एवं विश्वविद्यालय की कुलाधिपति द्वारा प्रदान किए गए। पहुंच और समानता सुनिश्चित करने के लिए, विश्वविद्यालय ने राज्य और केंद्रीय एजेंसियों के माध्यम से छात्रवृत्ति और शुल्क प्रतिपूर्ति योजनाओं को सफलतापूर्वक लागू किया। परिणाम स्वरूप, सामान्य, अनुसूचित जाति, अनुसूचित जनजाति, अन्य पिछड़ा वर्ग और अल्प संख्यक वर्गों के 1,106 छात्रों को कुल ₹5.15 करोड़ की वित्तीय सहायता मिली। शैक्षणिक उपलब्धियां कक्षाओं से परे भी रहीं, क्योंकि 41 छात्रों ने आई०सी०ए०आर०–नेट, यू०जी०सी०–नेट, सी०एस०आई० आर०–नेट और गेट जैसी प्रतिष्ठित राष्ट्रीय स्तर की परीक्षाओं में सफलता प्राप्त की, जिससे छात्र समुदाय की विद्वता और प्रतिस्पर्धात्मक तैयारी उजागर हुई। इसके अलावा, अंतर–विश्वविद्यालयीय खेलों, सांस्कृतिक कार्यक्रमों और एन० सी०सी० व एन०एस०एस० जैसी सामुदायिक सेवा गतिविधियों में छात्रों की भागीदारी ने उनके समग्र विकास को दर्शाया।

विश्वविद्यालय का अनुसंधान तंत्र वर्ष के दौरान निरंतर सजीव बना रहा। कुल 37 बाहरी वित्तपोषित परियोजनाएं, जिन्हें डी०एस०टी०, एस०ई०आर०बी०, यू०पी०सी०ए०आर० और आर०के०वी०वाई० जैसी एजेंसियों का सहयोग प्राप्त था, ने कृषि और संबद्ध क्षेत्रों की क्षेत्र–विशिष्ट चुनौतियों का समाधान किया। फसल उत्पादन पर अनुसंधान एक प्रमुख फोकस रहा, जिसमें गेहूं, धान, गन्ना और दलहनों की उच्च उपज और तनाव–सहिष्णु किस्मों के विकास और प्रमाणीकरण में उल्लेखनीय योगदान दिया गया। समेकित पोषक तत्व और जल प्रबंधन, सूक्ष्म पोषक तत्व संवर्धन और मृदा उर्वरता सुधार जैसी नवाचारी प्रथाओं पर बल दिया गया, ताकि जलवायु परिवर्तनशीलता की परिस्थितियों में फसल उत्पादकता और लचीलापन बढ़ सके। पशु विज्ञान में अनुसंधान परिणामों में कम लागत वाले पोषण विकल्प, रोग प्रबंधन प्रोटोकॉल और मूल्य वर्धित पशु उत्पाद विकास शामिल रहे, जबकि जैव प्रौद्योगिकी–आधारित अध्ययनों ने आणविक प्रजनन और आनुवंशिक संसाधन उपयोग में नए दृष्टिकोण प्रस्तुत किए। वर्ष के दौरान उल्लेखनीय अकादमिक योगदान भी रहा, जिसमें राष्ट्रीय और अंतरराष्ट्रीय पत्रिकाओं में 214 प्रकाशन और फ्रूट रिपनेस असेसमेंट डिवाइस (भारतीय डिजाइन संख्या 405552001) शीर्षक से एक पेटेंट भारत सरकार के पेटेंट कार्यालय से प्राप्त हुआ। सामूहिक रूप से, इन उपलब्धियों ने क्षेत्र में सतत और लाभकारी कृषि प्रणालियों को बढ़ावा देने की विश्वविद्यालय की दृष्टि को सुदृढ़ किया।

विस्तार गतिविधियां, 18 जिलों में फैले 20 कृषि विज्ञान केंद्रों एवं एक कृषि ज्ञान केन्द्र के मजबूत नेटवर्क के माध्यम से, वैज्ञानिक अनुसंधान और व्यावहारिक क्षेत्र अनुप्रयोग के बीच विश्वविद्यालय की सेतु बनी रहीं। प्रौढ़ शिक्षा निदेशालय ने प्रौद्योगिकियों के प्रसार और क्षमता निर्माण में केंद्रीय भूमिका निभाई। वर्ष के दौरान, इसने 648 प्रशिक्षण कार्यक्रम आयोजित किए और 109 रेडियो वार्ताएं दीं, जिससे हजारों किसानों, ग्रामीण युवाओं और महिलाओं को लाभ हुआ। खेत पर प्रदर्शन, फील्ड दिवस और मोबाइल परामर्श सेवाओं ने फसल उत्पादन, पशुपालन और संसाधन प्रबंधन में उन्नत प्रथाओं को अपनाने में तेजी लाई। इन पहलों ने न केवल किसानों को आधुनिक ज्ञान से सशक्त बनाया बल्कि उन्हें बदलती जलवायु और आर्थिक परिस्थितियों के अनुकूल बनने की क्षमता भी दी।

संस्थागत सहयोग और साझेदारियों को और अधिक सुदृढ़ किया गया, जब राष्ट्रीय शोध संस्थानों, उद्योगों और निजी संगठनों के साथ 15 नए समझौता ज्ञापन (एम०ओ०यू०) पर हस्ताक्षर किए गए। इन एम०ओ०यू० ने सहयोगात्मक अनुसंधान, प्रौद्योगिकी हस्तांतरण, कौशल विकास, संकाय और छात्र विनिमयत तथा उद्यमिता संवर्धन के लिए मार्ग प्रशस्त किया है। ऐसी साझेदारियां विश्वविद्यालय की अनुसंधान क्षमताओं को महत्वपूर्ण रूप से

बढ़ाने के साथ–साथ छात्रों को उद्योग–प्रासंगिक कौशल और कैरियर अवसरों का व्यापक अनुभव प्रदान करने की उम्मीद है।

शैक्षणिक और अनुसंधान प्रगति के साथ–साथ, विश्वविद्यालय ने बुनियादी ढांचे, छात्र कल्याण और परिसर जीवन को मजबूत करने में भी उल्लेखनीय प्रगति की। सुसज्जित छात्रावास, स्वास्थ्य सुविधाएं, खेल परिसर और सांस्कृतिक सुविधाएं छात्रों के अनुभव को समृद्ध करती रहीं। स्पर्धा –2023 (वार्षिक खेल महोत्सव) और अभिव्यक्ति–2023 (सांस्कृतिक उत्सव) जैसी प्रमुख घटनाओं ने नेतृत्व, रचनात्मकता और टीमवर्क को प्रोत्साहित किया। राष्ट्रीय दिवसों के आयोजन और सामुदायिक भागीदारी कार्यक्रमों ने छात्रों में जिम्मेदारी और राष्ट्रीय गर्व की भावना को और गहरा किया।

विश्वविद्यालय का प्रशासनिक ढांचा सुदृढ़ और सहभागी बना रहा, जिसमें प्रबंधन बोर्ड, शैक्षणिक परिषद, वित्त समिति और विस्तार परिषद की नियमित बैठकों ने सुदृढ़ निर्णय–निर्माण, वित्तीय जवाब देही और शैक्षणिक उत्कृष्टता सुनिश्चित की।

सारांशतः वर्ष 2023–24 सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय के लिए उल्लेखनीय उपलब्धियों का काल रहा है। शिक्षा में मजबूत नींव, गतिशील अनुसंधान वातावरण, जीवंत विस्तार सेवाओं और बढ़ती संस्थागत साझेदारियों के साथ, विश्वविद्यालय नवाचार, समावेशन और स्थिरता को बढ़ावा देने के अपने मिशन को आगे बढ़ाता रहा है। शैक्षणिक उत्कृष्टता, किसान सशक्तिकरण और ग्रामीण विकास की दिशा में इसके योगदान ने इसे क्षेत्र में कृषि शिक्षा और अनुसंधान का अग्रणी केंद्र स्थापित किया है।

ABOUT THE UNIVERSITY

Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, was established through Government of Uttar Pradesh Notification No. 3204-A/12-8-2000-400 (96) 99, dated 27 September 2000, under the *Uttar Pradesh Krishi Evam Prodyogik Vishwavidyalaya Adhiniyam, 1958* (U.P. Act No. XLV of 1958). The University formally came into existence on 2 October 2000, with a vision to enhance educational, research, and extension opportunities in Agriculture, Veterinary Sciences, Biotechnology, and allied disciplines for the comprehensive development of the rural and agrarian population in Uttar Pradesh.

SVPUAT, Meerut holds the distinction of being the "First Agricultural University of the Third Millennium and the 21st Century". The University is duly recognized by the University Grants Commission (UGC) and accredited by the Indian Council of Agricultural Research (ICAR). It is distinguished for its integrated teaching, research, and extension capabilities, which are strategically directed towards advancing agricultural development across the western region of Uttar Pradesh.

The University is located in Modipuram, along the Delhi–Dehradun national highway, approximately 12 kilometres north of Meerut city. According to the original master plan, twelve constituent colleges were envisioned. Currently, the University comprises seven constituent colleges:

- College of Agriculture
- College of Biotechnology
- College of Veterinary and Animal Sciences
- College of Technology
- College of Horticulture
- College of Post-Harvest Technology and Food Processing
- College of Sugarcane Science and Technology

In addition, the University operates off-campus research stations and oversees 20 Krishi Vigyan Kendras (KVKs) spread across 18 districts of Western Uttar Pradesh: Badaun, Rampur, Bijnor, Muzaffarnagar, Meerut, Saharanpur, Ghaziabad, Shahjahanpur, Pilibhit, Baghpat, Gautam Buddha Nagar, Moradabad, Bulandshahr, Hapur, Shamli, Sambhal, Amroha, and a Krishi Gyan Kendra at Bareilly.

The main campus spans 262 hectares and houses academic blocks, research units, administrative offices, hostels, and agricultural infrastructure. Research sub-stations and KVKs are strategically located across various state agro-climatic zones, including the Bhabhar, Tarai, Western Plain, and Mid-Western Plain zones.

Vision

A sound, viable, vibrant and sustainable rural development.

Mission

Enhancement of rural income, livelihood and employment through excellence in education, research and extension activities in agricultural and allied sciences.

Mandate

- Making provision for the education of the rural people of Uttar Pradesh in different branches of study, particularly agriculture, rural industry and business, and other allied subjects.
- Furthering the prosecution of research, particularly in agriculture and other allied sciences and undertaking field and extension programmes.

Core Functions

Teaching

- To produce a highly skilled human resource in agricultural and allied sciences to address the emerging challenges of the 21st century.
- To nurture technically proficient graduates capable of applying knowledge to diversify and industrialize agriculture, enabling socio-economic trans-formation of rural India.

Research

- To develop innovative agricultural technologies that enhance India's global competitiveness.
- To apply scientific methods to address practical and technical challenges in the agriculture sector.
- To advance basic and applied research for accelerating sustainable agricultural development.
- To address region-specific challenges faced by farming communities.
- To design targeted strategies for income optimization across landholding categories: large, medium, small, and marginal.

Extension

- To disseminate cutting-edge agricultural technologies to farmers through effective outreach.
- To build collaborative partnerships with farmers, entrepreneurs, and stakeholders.
- To align research and technology dissemination with local demands and field conditions.
- To enable validation, demonstration, and adoption of contextually relevant agro-technologies.
- To foster economic and ecological sustainability through integrated approaches to productivity, marketing, and end-use.
- To establish market linkages between agricultural producers and consumers through participatory and interface-driven models.

Organizational Setup

Her Excellency Smt. Anandiben Patel, the Governor of Uttar Pradesh, is the Chancellor of the University and, by virtue of her office, serves as the head of the

University and presides over its convocations. The other powers conferred upon her by the University Acts and Statutes are exercised as and when required. The detailed organizational set-up, along with the administrative and functional aspects, is provided in the organogram.

Board of Management

The University has a Board of Management (BOM) as per the Re-enactment and Amendment Act 1974. The Board of Management considers and decides matters of general policies relating to the development and upliftment of the University.

The Vice-Chancellor is the ex officio Chairman. The other ex officio members are Principal Secretaries of the state government to the Departments of Agriculture, Finance, Higher Education and the Director of Agriculture and Animal Husbandry of Uttar Pradesh. There is one member representing the legislative assembly and five members representing (one each) agricultural scientists, progressive farmers, livestock breeders, distinguished industrialists and outstanding women social workers nominated by the state government. Besides, one nominee of the ICAR and one representative of the registered graduates of the University are also included. The list of Hon'ble members of the Board of Management for the year 2023-24 is given in Annexure-I.

55th Board of Management Meeting 20 February, 2024

Three meetings of the Board of Management were held during the period of the report. These meetings were held on 03 August 2023, 21 October 2023 and 20 February 2024 under the Chairmanship of Prof. K.K. Singh, Hon'ble Vice Chancellor. Different matters were presented to the members decision making for the welfare of the University and it's Staff.

Academic Council

The University Academic Council is the topmost body of the University following the Board of Management. It comprises all the University's Officers, HOD of all the departments of each faculty, two senior-most Associate Professors, and one elected faculty secretary from each college. Besides making recommendations to the Board of Management, the Academic Council also took various vital decisions to maintain a high standard of activities related to faculty and students in the University including controlling and regulating the quality of teaching, education and recruitment rules for faculty and staff.

During the period under report, Prof. K. K. Singh, Vice-Chancellor, was the Chairman, and Dr. Ramji Singh, Registrar of the University, was the Member Secretary of the Academic Council. The list of members of the Academic Council is given in Annexure-II. During the period under report, five meetings of the Academic Council, were held on 26 July 2023, 19 September 2023, 30 December 2023, 15 February 2024, and 06 May 2024.

Academic Council Meeting dated 15 February, 2024

Finance Committee

The Finance Committee of the University is responsible for matters related to the budget, income management and expenditure management and prepares the University's financial plan. The detailed structure of the Finance Committee is given in Annexure-III. In the financial year 2023-24, two meetings of the Finance Committee were conducted, on 21 October 2023 and 19 February 2024.

19th Finance Committee Meeting dated 19 Feberuary, 2024

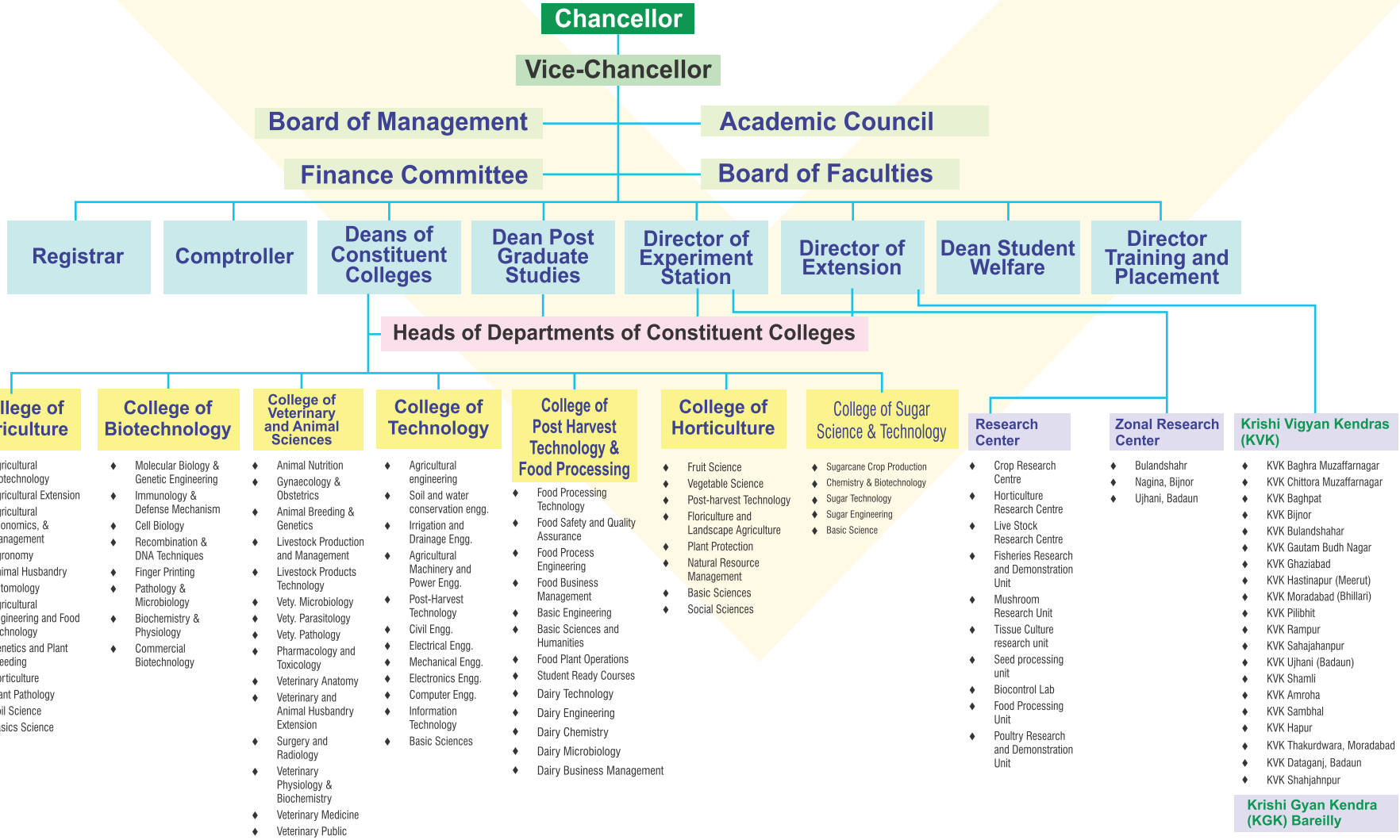
Extension Council

The Extension Council is the key body responsible for preparing guidelines, plans, and executing extension activities, as well as assessing progress in the jurisdictional area of the University. It is a substantial body working under the Chairmanship of Hon'ble Vice Chancellor, Professor K.K. Singh. It comprises members from the Indian Council of Agricultural Research, the Registrar, Deans, Directors, Heads of various colleges, and progressive farmers, among others. Director, Extension is the Secretary of this Council and is responsible for conducting the meetings under the able guidance of the Hon'ble Vice Chancellor.

Officers of the University

The Chancellor, Vice-Chancellor, Director of Research, Dean Post Graduate (PG) Studies, Director of Extension Education, Dean Faculty of Agriculture, Dean Faculty of Biotechnology, Dean Faculty of Veterinary & Animal Sciences, Dean Faculty of Horticulture, Dean Faculty of Post-Harvest Technology & Food Processing, Dean Faculty of Technology, Registrar, Comptroller, Dean Students' Welfare, Librarian, etc., are Officers of the University. A list of all the University Officers is given in Annexure-V.

Senior Officers Committee Meeting dated 14 December, 2023


Chancellor
Vice-Chancellor
Board of Management
Academic Council
Finance Committee
Board of Faculties
Registrar
Comptroller
Deans of Constituent Colleges
Dean Post Graduate Studies
Director of Experiment Station
Director of Extension
Dean Student Welfare
Director Training and Placement
Heads of Departments of Constituent Colleges
College of Agriculture
Agricultural Biotechnology
Agricultural Extension
Agricultural Economics, & Management
Agronomy
Animal Husbandry
Entomology
Agricultural Engineering and Food Technology
Genetics and Plant Breeding
Horticulture
Plant Pathology
Soil Science
Basics Science
College of Biotechnology
Molecular Biology & Genetic Engineering
Immunology & Defense Mechanism
Cell Biology
Recombination & DNA Techniques
Finger Printing
Pathology & Microbiology
Biochemistry & Physiology
Commercial Biotechnology
College of Veterinary and Animal Sciences
Animal Nutrition
Gynaecology & Obstetrics
Animal Breeding & Genetics
Livestock Production and Management
Livestock Products Technology
Vety. Microbiology
Vety. Parasitology
Vety. Pathology
Pharmacology and Toxicology
Veterinary Anatomy
Veterinary and Animal Husbandry Extension
Surgery and Radiology
Veterinary Physiology & Biochemistry
Veterinary Medicine
Veterinary Public Health & Epidemiology
Veterinary Clinical Complex
Livestock Farm Complex
College of Technology
Agricultural engineering
Soil and water conservation engg.
Irrigation and Drainage Engg.
Agricultural Machinery and Power Engg.
Post-Harvest Technology
Civil Engg.
Electrical Engg.
Mechanical Engg.
Electronics Engg.
Computer Engg.
Information Technology
Basic Sciences
College of Post Harvest Technology & Food Processing
Food Processing Technology
Food Safety and Quality Assurance
Food Process Engineering
Food Business Management
Basic Engineering
Basic Sciences and Humanities
Food Plant Operations
Student Ready Courses
Dairy Technology
Dairy Engineering
Dairy Chemistry
Dairy Microbiology
Dairy Business Management
College of Horticulture
Fruit Science
Vegetable Science
Post-harvest Technology
Floriculture and Landscape Agriculture
Plant Protection
Natural Resource Management
Basic Sciences
Social Sciences
College of Sugar Science & Technology
Sugarcane Crop Production
Chemistry & Biotechnology
Sugar Technology
Sugar Engineering
Basic Science
Research Center
Crop Research Centre
Horticulture Research Centre
Live Stock Research Centre
Fisheries Research and Demonstration Unit
Mushroom Research Unit
Tissue Culture research unit
Seed processing unit
Biocontrol Lab
Food Processing Unit
Poultry Research and Demonstration Unit
Zonal Research Center
Bulandshahr
Nagina, Bijnor
Ujhani, Badaun
Krishi Vigyan Kendras (KVK)
KVK Baghra Muzaffarnagar
KVK Chittora Muzaffarnagar
KVK Baghpat
KVK Bijnor
KVK Bulandshahar
KVK Gautam Budh Nagar
KVK Ghaziabad
KVK Hastinapur (Meerut)
KVK Moradabad (Bhillari)
KVK Pilibhit
KVK Rampur
KVK Sahajahanpur
KVK Ujhani (Badaun)
KVK Shamli
KVK Amroha
KVK Sambhal
KVK Hapur
KVK Thakurdwara, Moradabad
KVK Dataganj, Badaun
KVK Shahjahnpur
Krishi Gyan Kendra (KGK) Bareilly

COLLEGE OF AGRICULTURE

Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut has the unique honour of being called the first Agriculture University of the third millennium. The present age belongs to agricultural science, and there are several areas in which it is directly or indirectly involved. From agriculture to medicine, health, food, and the environment, agricultural science has a pivotal role. There is a need to make Agriculture Science education socially relevant by making it respond to the growing and changing needs of society. Over the past years, the College of Agricultural Science has recorded considerable growth in physical expansion, viz. Student outturn, teaching campus, diversification of job-oriented education in highly specialized disciplines, Infrastructural development, and Staff strength.

College of Agricultural Science has 09 specialized Departments, and there are B.Sc. (Agriculture Science), M.Sc. (Agriculture Science), and Ph.D. programs in this College. The growth and diversification with the need-based specialization is the primary mandate of this College, i.e. to impart education in different branches of Agriculture Science, particularly Soil Science, Agricultural Economics & management, Animal Husbandry, Genetics & Plant Breeding, Agricultural Extension Education, Plant Pathology, Entomology, Agronomy and Basic Science. Agriculture education to create human resources who can apply their acquired knowledge and skills to diversify and industrialize agriculture for the Socio-economic transformation of the rural society is the major mandate. For undergraduate teaching, the College of Agriculture has four modernize lecture theatre-type classrooms. Some classrooms are equipped with an LCD projector for interactive teaching.

The experiential learning is offered in the eighth semester exclusively for providing hands-on training enabling the undergraduate students the develop entrepreneurial skills in a specific area of agriculture/industry. The students are attached with different units, namely Mushroom Production, Fish and Aquaculture, Seed Production, Organic Manure Production, Bio-Control Agent Production, Food Processing, Soil Testing & Nutrient Management, Dairy Production Unit, Tissue Culture & Micro Propagation, Poultry Production Unit and Sericulture Unit, among others for training purposes. There is a centralized computer lab with 30 computers connected to high-speed internet. Another state-of-the-art computer lab has been established featuring collaborative arrangements for free training and award of certificates by IBM. In a recent development, the University's mail server facility has been started, and official emails have been assigned to each scientist/teacher and student of the University. It is a quick and authentic way of communication. It has reduced the paperwork to some extent.

Practical Crop Production is a unique feature of the Undergraduate programme where the students put their knowledge into field activities based on "Earn while you Learn". A team of students is allotted about one acre of land for practicing knowledge-based agriculture. This programme helps the students build self-confidence while working in the field. The Rural Agriculture Work Experience (RAWE) programme is another innovative feature of the Undergraduate curriculum, offered in the VII Semester, where students are attached to different KVKs to expose them to the real farming conditions in villages thereby gaining awareness of the management and constraints in the field.

> *"To me, agriculture is a beautiful farm of culture"*
>
> — Dr. M. S. Swaminathan

COLLEGE OF BIOTECHNOLOGY

The College of Biotechnology was established in 2004 and formally inaugurated on April 25, 2005, at Sardar Vallabhbhai Patel University of Agriculture and Technology, admitting 64 students to the undergraduate programme in Biotechnology (B.Tech., Biotech). It was the country's first college of its kind, reflecting a global outlook and a vision to set a revolutionary pace in advancing technology in the frontier field of Biotechnology. The College's primary objective is to produce highly skilled and qualified graduates and postgraduates in this specialized area of Biotechnology.

Research at the College is being conducted across various biotechnological fields, including Recombinant DNA Technology, Cell Biology, Molecular Biology, Biochemistry, Microbiology, Biofertilizers, Tissue Culture, Aerobic Rice, and Bioinformatics. These initiatives aim to provide students with hands-on training and to facilitate the transfer of technology to farmers. The undergraduate curriculum has been designed in accordance with the recommendations of the VI Dean's Committee of the Indian Council of Agricultural Research (ICAR).

The College of Biotechnology has 17 classrooms equipped with ultra-modern facilities, including audio-visual aids, LCD projectors, and interactive board systems to enhance teaching effectiveness. All departments within the College are supported by well-equipped undergraduate and postgraduate laboratories catering to teaching and research activities. Additionally, the College employs bioinformatics tools for retrieving and analysing biological information, facilitated by a Bioinformatics Centre established under the Department of Biotechnology (DBT) scheme.

The College also houses a Centre of Excellence in Agri-biotechnology, fully funded by the U.P. Council of Science and Technology, Government of Uttar Pradesh

(GOUP). This Centre is mandated to provide advanced training in molecular biology and genetic engineering, focusing on addressing biotic and abiotic stresses in various crops. Furthermore, a biofertilizer laboratory and a small animal laboratory facility are operational within the College premises. The Examination Cell manages the conduct of all examinations.In addition, the College features a well-equipped Mini Auditorium with a seating capacity of 250 people. The Board of the Faculty of Biotechnology serves as the statutory body responsible for making academic decisions on behalf the of College, following comprehensive discussions among its members.

"The rewards for biotechnology are tremendous-to solve disease, eliminate poverty, age gracefully. It sounds so much cooler than facebook."

— George M. Church

COLLEGE OF VETERINARY AND ANIMAL SCIENCES

The College of Veterinary and Animal Sciences (COVAS) was established in 2008 as a constituent college of Sardar Vallabhbhai Patel University of Agriculture and Technology to enhance the rural economy by ensuring proper animal healthcare and management through the development of competent human resources. The Veterinary Council of India (VCI) permitted the admission of the first batch of students in the B.V.Sc. & A.H. degree programme during the academic session 2011. The 35 students were inducted into the first undergraduate batch. Now, the college is a prime institution that imparts veterinary education at the undergraduate, postgraduate, and doctoral levels to meet the societal needs in animal health. As per the MSVE-2016 guidelines, the college comprises seventeen well-equipped constituent departments. The college imparts quality veterinary education, training and develops entrepreneurship skills in students for employment in the livestock sector. The college has highly competent and experienced faculty members who have made significant contributions to research, animal health and production and have received various merit-based accolades.

The college is equipped with a robust physical infrastructure. Undergraduate teaching is conducted in modern smart classrooms. At the same time, each department has a dedicated postgraduate teaching and seminar hall equipped with whiteboards, comfortable seating, and LCD projection systems for interactive learning. The college has a centralized computer lab with ten computers connected to high-speed internet.

The Veterinary Clinical Complex has been operational since 2015, serving as a key facility for clinical teaching, diagnosis, treatment of animals, and veterinary extension services through its various units. The complex is equipped with state-of-the-art instruments

and technologies acting as a coordinating unit among clinical, para-clinical, and supporting departments. It provides teaching support, research materials, a platform for treating critically ill animals, and instant diagnostic services. The complex includes several sub-units such as the Treatment Section, Small Animal Examination Room, Dispensing Section, Computerised Registration Counter, Central Diagnostic Laboratory, Teaching Diagnostic Laboratory, Farmers' Rest Rooms, Indoor Wards, as well as specialized Radiology and Gynaecology sections that offer diagnostic, surgical, and obstetrical services for both small and large animals.

The Livestock Farm Complex (LFC) was established in accordance with the VCI guidelines in 2011. The prime objective of this unit is to provide practical training to B.V.Sc. & A.H., students in the day-to-day operations of livestock farms. At present, LFC has a Cow Unit, Buffalo Unit, Heifer Unit, Poultry Unit, Piggery Unit, Fodder Production Unit, Feed Formulation Unit, Milking Unit, Goat Unit, Sheep Unit and Horse Unit. The fodder unit is functioning under this department serves as an instructional farm, produces fodder for livestock feeding, develops fodder crops, and supplies seeds and slips of various fodder crops to farmers. This unit supplies green fodder daily to different livestock and horse units of the college. The Poultry Research and Training Centre (PRTC) came into existence in 2014. PRTC is becoming a centre of excellence in poultry research and development, and is contributing to this sector by equipping local farmers with the latest technical expertise in the field. The students are being trained on different aspects of poultry development through the Entrepreneur Training Programme. Research scholars also research on various aspects of animal husbandry practices on these units.

> *"India's place in the sun would come from partnership between wisdom of its rural people and skill of its professionals."*
>
> — Verghese Kurien

COLLEGE OF TECHNOLOGY

The College of Technology was established during 2013-14 and inaugurated by the former Honourable President of India, Dr. A.P.J. Abdul Kalam, on 6 March 2014. The foundation stone of the college was laid by Dr. P. Das, Deputy Director General, I.C.A.R., New Delhi, on August 26, 2006. This college is integral to Sardar Vallabhbhai Patel University of Agriculture and Technology, Modipuram, Meerut, U.P. (India) 250110. The College, since its inception, has undergone constant transition in terms of infrastructure, course curriculum, and degree programmes. The college provides a model curriculum that blends teaching, research, and innovation with practical training, thus providing ample opportunities to students.

In the academic session 2019–20, the B.Tech. degree programme in Agricultural Engineering was initiated with the admission of 33 students through the UPCATET Examination 2019. The M.Tech. (Agricultural Process & Food Engineering) and Ph.D. (Agricultural Process & Food Engineering) programmes are currently being offered in the College of Technology. M.Tech. and Ph.D. programmes in the departments of Soil and Water Conservation Engineering, Farm Machinery and Power Engineering, and Irrigation and Drainage Engineering are scheduled to commence shortly. In addition, proposals have been prepared to initiate six new undergraduate programmes, namely B.Tech. (Civil Engineering), B.Tech. (Electrical Engineering), B.Tech. (Mechanical Engineering), B.Tech. (Electronics Engineering), B.Tech. (Computer Science), and B.Tech. (Information Technology), which are expected to commence from the academic session 2025–26. These programmes will further strengthen the college's academic profile.

The main objective of the College of Technology is to provide technical education mainly for rural people of Uttar Pradesh, to provide the best facilities for research and extension in the field of Agricultural Engineering & Technology.

> *"It has become appallingly obvious that our technology has exceeded our humanity."*
>
> — Albert Einstein

COLLEGE OF POST-HARVEST TECHNOLOGY AND FOOD PROCESSING

The College of Post-Harvest Technology and Food Processing (CoPHT&FP) is one of the key constituent colleges of Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT), Meerut, established during the academic session 2019–20. The college was established with the vision of imparting quality education, conducting research, and providing extension services in the domains of food processing, post-harvest technology, and value addition. The college is committed to addressing the critical challenge of post-harvest losses, particularly in fruits, vegetables, and perishable commodities, through innovative research, practical education, and industry-aligned training. Its primary objective is to produce skilled professionals, technologists, and entrepreneurs capable of contributing to national food security goals, value addition, and agricultural transformation.

The college currently offers the following undergraduate degree programmes, each of four years' duration (eight semesters), including one full semester of in-plant industrial training: B.Tech. (Food Technology) and B.Tech. (Dairy Technology). These programmes are designed to provide students with a balanced blend of theoretical knowledge, laboratory skills, industrial exposure, and entrepreneurial insights. The college is equipped with excellent infrastructural and academic facilities conducive to teaching, research, and extension activities. These include smart classrooms and seminar rooms with modern teaching aids, sophisticated laboratories for food analysis, engineering operations, and quality testing, as well as Experiential Learning Units (ELUs) and pilot plants such as the Food Processing Unit, Agro-Processing Centre, Bakery Unit, Sorghum Processing Plant, and Millet Processing Plant. These units serve as platforms for skill development, research activities, and entrepreneurial training.

The college strives to equip students with strong technical and analytical skills to develop and optimize food and dairy processing systems; promote food safety, enhance product quality, and improve nutritional value; apply engineering principles to innovate in food production and processing; foster entrepreneurial capabilities through hands-on experience and managerial training; and undertake research and innovation aligned with industry needs and societal challenges.

> *"Everything in food is science. The only subjective part is when you eat it."*
>
> — Alton Brown

COLLEGE OF HORTICULTURE

The College of Horticulture at the University was established in 2019. At its inception, eight departments were sanctioned by the government : Fruit Science, Vegetable Science, Floriculture & Landscape Architecture, Postharvest Technology, Plant Protection, Natural Resource Management, Basic Sciences, and Social Sciences. Among these, the Department of Vegetable Science, the Department of Fruit Science, and the Department of Floriculture & Landscape Architecture were established first, staffed by the University's existing horticulture faculty. These departments currently offer undergraduate, postgraduate, and Ph.D. programmes. Since its establishment, the College has made significant strides in teaching, research, and extension activities.

The objectives of the College are to strengthen and enhance the horticulture degree programme in alignment with the national curriculum; provide students with up-to-date knowledge in Horticulture and allied disciplines; foster a conducive environment for the development of leadership qualities and a competitive spirit; organize specialized training programmes and offer consultancy services to farmers; encourage faculty members to participate in refresher and advanced courses both within India and abroad for professional development; and establish satellite instructional-cum-research farms in the surrounding areas of the zone, particularly for vegetables, flowers, and selected fruit crops.

The research focus of the College includes the genetic improvement of horticultural crops, standardization of production technologies for fruits, vegetables, and flowers with an emphasis on enhanced productivity, the development of effective pest and disease management strategies for the economic production of horticultural and forest crops, and the design of low-

cost production technologies to benefit farmers.

The mandate of the College is to provide quality education in Horticulture, Forestry, and related fields; promote basic and applied research in Horticulture and allied sciences; disseminate scientific knowledge among the rural population of the state; foster collaborations with State, Central, and International institutions, NGOs, orchardists, farmers, and industry stakeholders to ensure both economic and ecological security; and pursue other objectives as determined by the University from time to time. Furthermore, the College organizes seminars, training programmes, and extension-oriented activities for farmers and agricultural and horticultural extension personnel; strengthens research and outreach initiatives; and facilitates technology transfer and entrepreneurship development, thereby contributing to the overall growth and advancement of the horticultural sector.

> *"To plant a garden is to dream of tomorrow."*
>
> — Audrey Hepburn

COLLEGE OF SUGARCANE SCIENCE AND TECHNOLOGY

The College of Sugarcane Science and Technology is a newly established college dedicated to advancing research, education, and innovation in the field of sugarcane cultivation, production, and utilization. With a vision to become a global centre of excellence in sugarcane science, the college aims to contribute to the sustainable development of the sugarcane industry and address emerging challenges in this field. The College of Sugarcane Science and Technology offers academic programmes designed to equip students with the knowledge and skills needed for a successful career in the sugarcane sector. The programmes provide a strong foundation in sugarcane agronomy, sugarcane breeding, mechanization in the sugar industry, and processing.

The college is equipped with modern facilities and infrastructure to support high-quality research, teaching, and practical training. The campus features well-equipped laboratories, advanced research facilities, experimental fields, greenhouses, and a sugarcane processing plant. These facilities provide students and researchers with the necessary resources and tools to conduct cutting-edge research and gain practical experience in sugarcane cultivation and processing techniques.

> *"Relationship with a good person is like sugarcane. Break it, crush it, Squeeze it or even beat or grind it, still you will get only sweetness."*
>
> — Jahir Hossen

FACULTY OF POST GRADUATE STUDIES

The Faculty of Post Graduate Studies is committed to developing excellence among postgraduate students through responsive teaching, research, supervision, scholarship, and providing instructional and pastoral support. The faculty coordinates the University's postgraduate programmes to ensure high academic standards and quality control regulations and procedures in postgraduate teaching and research. The Faculty of Postgraduate Studies also supports students by providing high-quality academic standards, as well as ICT, psychosocial, and social-emotional support services. The centre also builds the capacity to express excellence in teaching, student research supervision, and innovation amongst postgraduate faculty. It is essential to produce graduates who are mentally resourceful, intellectually equipped, entrepreneurially self-sufficient, futuristically visionary, and responsible. The university maintains several linkages with national institutions and industries, offering opportunities for internships and exchanges for faculty and students.

The centre also plays a vital role in coordinating, monitoring and running of postgraduate programmes at the University. The standard of post-graduate research in the University is ensured by monitoring and evaluating students' research proposals, theses, and dissertations. The centre also coordinates and administers viva voce examinations for PG and PhD students of various disciplines. It also provides academic support services to postgraduate students, including information dissemination, supervision, educational counselling, pastoral care, enrolment, registration, examination, compensatory capacity enhancement, postgraduate-level ICT empowerment, and access to electronic resources for study purposes.

> *"Education is the most powerful weapon which you can use to change the world."*
>
> — Nelson Mandela

CENTRAL LIBRARY

The Central Library of the University is situated prominently in front of the Administrative Block. The G+1 structure was inaugurated on 13 January 2021 by the Hon'ble Chief Minister of Uttar Pradesh, Shri Yogi Adityanath, along with the Hon'ble Agriculture Minister of Uttar Pradesh. The facility covers a total built-up area of 5,179.85 sq. m. (Ground Floor: 2,775 sq. m.; First Floor: 2,404.85 sq. m.). The ground floor houses key facilities, including the entrance foyer, cloakroom, issue counter, printing and classification room, book binding section, administrative offices (for the Librarian and Assistant Librarians), central auditorium, technical section, photocopy services, conference room, periodical section, reference collection, reading room, and e-library section. The first floor comprises a textbook hall, reading rooms, a special reading room, group study and discussion rooms, and a seminar room, thereby providing a comprehensive academic environment to cater to the diverse learning needs of students and faculty. The storage capacity of library is over one lakh books and periodicals, with seating arrangements for more than 550 students at a time. Library automation is currently underway, and upon completion, the system will enable automated monitoring of book entry and exit, seamless search and retrieval of resources, and fully automated issue and return of books, thereby enhancing efficiency and user convenience.

The management and procurement of resources in the Central Library are overseen by the Library Advisory Committee (LAC), which convenes regular meetings to guide library policies and acquisitions. The library is administered and coordinated by the Officer In Charge (OIC), under the guidance of the LAC and the direction of the Hon'ble Vice Chancellor. The library serves approximately 450 users daily, including students, faculty, and staff from diverse disciplines such as Agriculture and Allied Sciences, Veterinary and Animal

Sciences, Biotechnology, Fisheries Sciences, Food Processing, Basic Sciences, Engineering, and Horticulture. The facility provides 24-hour access to its users. Currently the Central Library holds a collection of 15,476 books spanning various disciplines, including Agriculture and Allied Sciences, Veterinary and Animal Sciences, Biotechnology, Fisheries Sciences, Food Processing, Basic Sciences, Agricultural Engineering, and Horticulture, which support the comprehensive academic and research needs of the University.

The Central Library has issues of national and international journals, in addition to 1,513 journals gifted or donated by distinguished individuals. Furthermore, the Library maintains a collection of 19 magazines published in both English and Hindi, on a monthly and weekly basis, catering to the diverse academic and informational needs of its users.India Today, The Week, Frontline, C.R.C., Partiyogita Darpan, Kuruchatra, Yojna, Vanita, Reder Digest, Ghrashobha, Science Reporter, Biospectrum, Outlook, Sarita, Kirshimangal, Health, Kadembni, Vigyan Pragati, etc. are part of it. 13 issues of newspapers are subscribed to (English & Hindi) on a daily and weekly basis. At present, the Central Library has a total of 1,672 hard copies of postgraduate and Ph.D. theses. Additionally, the Library offers a comprehensive e-library facility, enabling faculty and students to access 23 e-books and over 15,000 journals through the INFLIBNET consortium, thereby supporting advanced research and academic scholarship across various disciplines.

> *"Nothing is pleasanter than exploring a Library."*
>
> —Walter Savage Landor

DIRECTORATE OF TRAINING AND PLACEMENT

Besides conventional education, country is progressing towards professional education so as to produce trained and skilled professionals in all walks of life. The agricultural sector has been high on the government's priority list as it plans to focus on long-term investments and supporting farmers either by additional income or financing arrangements. This will open some new dimensions and job opportunities for students related to Agriculture and allied subjects like, Animal Husbandry, Poultry, Fisheries, Horticulture, Post-Harvest Management, Farm Mechanization and Biotechnology as well. Directorate of Placement is focusing on wider and far sighted perspective to provide proper guidance, know-how of the job opportunities in the field of agriculture and allied areas and to assist the prospective students. The directorate firmly believes in strengthening the students to the extent that they find and grab the jobs of their choice. We wish that our students should not encounter a handicap and should be self dependent with a prompt and active assistance of faculty, entrepreneurs and visitors to enrich their understanding of preparing impressive resume, interactive group discussion, eye catching interview performance order to jobs in agriculture and allied sectors like banks, fertilizers, pesticide, farm machinery, seed industries, animal feed and nutrition, floriculture, biofertilizer veterinary pharmaceuticals and sugar industries etc. The need of the time is to avail ICT facilities to explore the possibilities of jobs and to interact with organizations. Besides this, startup is the best alternative for agriculture and allied subject students. The industrialists and academia are welcome to this lust green, beautiful campus for sharing their own experiences with our students to help these young graduates to incorporate them in their esteemed organization. Directorate of Placement is confident that under the dynamic leadership of Hon'ble Vice Chancellor, Prof. K.K.Singh will play a pivotal role in streamlining the job prospects for the students of this University. Directorate of Placement has created all required facilities for conducting group discussions, interactive meetings and interviews by any organization.

Vision

- To become a leading placement cell, renowned for its innovative approaches, strategic partnerships, and exceptional placement records.
- To create a vibrant ecosystem that nurtures talent, fosters entrepreneurship and connects students with top-tier companies and research institutions.
- To make our university the preferred destination for recruiters and employers, while ensuring 100% placement opportunities for our students.
- Be an internationally acclaimed University, recognized for excellence in teaching, research and outreach; provide the highest quality education to students, nurture their talent, promote intellectual growth and shape their personal development

Mission

- To facilitate seamless connections between students, alumni and industry partners, fostering meaningful career opportunities and lifelong learning.
- To empower students with employability skills, knowledge and networking opportunities, ensuring successful transitions into the global workforce.
- To bridge the gap between academia and industry, providing students with relevant training, internships and placement opportunities.
- Foster all-round development of students through multi-faceted education and sustained engagement with local, national and global communities and nurture lifelong inspired learners from across the globe in line with our cultural ideal of 'Vasudhaiva Kutumbakam'.
- To provide the best educational environment to all our students, equipping them with the tools to forge successful careers in academia, industry, or government.

Core Objectives:

- Provide career counseling and guidance to students.
- Foster strong industry-academia partnerships for internships, projects and placements.
- Enhance employability skills of students through training and development programs.
- Organize job fairs, recruitment drives and networking events.
- Develop and maintain a robust alumni network.
- Facilitate entrepreneurship and startup support.

> *"Agriculture is the most-healthful, most-useful and most-noble employment of man."*
>
> — George Washington

EDUCATIONAL ACTIVITIES

The Office of the Registrar is entrusted with the administration and execution of all academic evaluation processes, in accordance with the regulations prescribed by the Government of Uttar Pradesh and the Indian Council of Agricultural Research (ICAR). The Registrar is responsible for overseeing the semester-based examination system across undergraduate and postgraduate programmes offered by the University.

End-of-semester examinations are systematically held during December-January for the first semester, and May-June for the second semester. All records related to examinations are meticulously maintained. Both internal and external examinations are conducted in strict adherence to academic regulations. Internal examinations involve the design and evaluation of question papers by the respective course instructors, while external examinations are set by subject experts from outside the University. To ensure transparency, impartiality, and academic integrity, the evaluation of external examinations is carried out by faculty members other than the course instructor. Final results are formally declared upon the completion of the evaluation process, thereby upholding the University's commitment to academic excellence and rigorous standards of assessment.

For postgraduate students, Thesis Viva-Voce examinations are conducted subsequent to the submission of their dissertations. Upon successful completion of the viva-voce, provisional degree certificates are issued on request, pending the formal award of degrees at the Convocation.

The University prepares a comprehensive Academic Calendar in consultation with the Deans of the constituent colleges. This calendar is disseminated to all faculty members and serves as the guiding framework for academic operations. All teaching, examination, and evaluation activities are carried out in strict conformity with the Academic Calendar, ensuring discipline, uniformity, and academic rigour across programmes.

Programmes Offered

The University offers a comprehensive range of academic programmes aimed at developing skilled professionals in the fields of agriculture and allied sciences. At the undergraduate level, the University provides degree programmes in B.Sc. (Hons.) Agriculture, B.Tech. (Biotechnology), B.V.Sc. & A.H., B.Sc. (Hons.) Horticulture, B.Tech. (Food Technology), B.Tech. (Dairy Technology), B.Tech. (Agricultural Engineering), and B.Tech. (Sugarcane Science and Technology).

The University follows the ICAR's VI Deans' Committee recommendations for all undergraduate programmes except B.V.Sc. & A.H. degree programme, which follows the norms and regulations prescribed by MSVE-2016. The University has adopted the BSMA-prescribed curriculum for postgraduate education, ensuring that the academic structure is aligned with national standards and contemporary developments in the field.

Constituent College	Programme Level	Programme Name	Duration
College of Agriculture	Undergraduate	B.Sc. (Hons.) Agriculture	4 Years
	Postgraduate	Agricultural Economics	2 Years
		Agricultural Extension Education	2 Years
		Agronomy	2 Years
		Animal Husbandry	2 Years
		Entomology	2 Years
		Genetics & Plant Breeding	2 Years
		Plant Pathology	2 Years
		Soil Science	2 Years
	Doctoral	Agricultural Extension Education	Minimum 3 Years
		Agronomy	Minimum 3 Years
		Animal Husbandry	Minimum 3 Years
		Entomology	Minimum 3 Years
		Genetics & Plant Breeding	Minimum 3 Years
		Plant Pathology	Minimum 3 Years
		Soil Science	Minimum 3 Years
College of Biotechnology	Undergraduate	B.Tech. Biotechnology	4 Years
	Postgraduate	Molecular Biology & Biotechnology	2 Years
		Molecular Biology & Biotechnology	Minimum 3 Years
College of Veterinary and Animal Sciences	Undergraduate	B.V.Sc. & A.H.	5 Years 6 Months
	Postgraduate	Veterinary Microbiology	2 Years
		Veterinary Pathology	2 Years
		Veterinary Physiology	2 Years
		Veterinary Biochemistry	2 Years
		Veterinary Parasitology	2 Years
		Livestock Production Management	2 Years
		Livestock Products Technology	2 Years
		Veterinary Pharmacology & Toxicology	2 Years
		Veterinary Anatomy	2 Years
		Animal Nutrition	2 Years

		Veterinary Surgery and Radiology	2 Years
		Veterinary Medicine	2 Years
		Veterinary Extension Education	2 Years
		Animal Reproduction Gynaecology and Obstetrics	2 Years
		Veterinary Public Health and Epidemiology	2 Years
	Doctoral	Veterinary Extension Education	Minimum 3 Years
		Animal Nutrition	Minimum 3 Years
		Livestock Production Management	Minimum 3 Years
		Livestock Products Technology	Minimum 3 Years
		Veterinary Anatomy	Minimum 3 Years
		Veterinary Biochemistry	Minimum 3 Years
		Veterinary Medicine	Minimum 3 Years
		Veterinary Parasitology	Minimum 3 Years
		Veterinary Pathology	Minimum 3 Years
		Veterinary Pharmacology & Toxicology	Minimum 3 Years
		Veterinary Physiology	Minimum 3 Years
		Veterinary Microbiology	Minimum 3 Years
		Veterinary Public Health and Epidemiology	Minimum 3 Years
		Veterinary Reproduction, Gynaecology and Obstetrics	Minimum 3 Years
		Veterinary Surgery and Radiology	Minimum 3 Years
College of Horticulture	Undergraduate	B.Sc. (Hons.) Horticulture	4 Years
	Postgraduate	Floriculture & Landscaping	2 Years
		Fruit Science	2 Years
		Vegetable Science	2 Years
	Doctoral	Floriculture & Landscaping	Minimum 3 Years
		Fruit Science	Minimum 3 Years
		Vegetable Science	Minimum 3 Years
College of Technology	Undergraduate	B.Tech. Agricultural Engineering	4 Years
	Postgraduate	Agricultural Engineering (Process and Food Engineering)	2 Years

	Doctoral	Agricultural Engineering (Process and Food Engineering)	Minimum 3 Years
College of Post-Harvest and Food Technology	Undergraduate	B.Tech. Food Technology	4 Years
		B.Tech. Dairy Technology	4 Years
College of Sugarcane Science and Technology	Undergraduate	B.Tech. Sugarcane Science and Technology	4 Years

Admissions Through UPCATET 2023

As per the provisions of the *Uttar Pradesh Krishi Evam Prodyogik Vishwavidyalaya (Second Amendment) Act, 2006* (U.P. Act No. 16 of 2006), the responsibility for conducting the Uttar Pradesh Combined Agriculture and Technology Entrance Test (UPCATET) 2023 was entrusted to Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya, on a rotational basis. Admissions to all undergraduate, postgraduate, and doctoral programmes across the four agricultural universities of Uttar Pradesh, including Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut, were carried out based on UPCATET 2023 merit and seat allotment.

In addition to this mode of admission, 20 percent of the seats in undergraduate programmes (except B.V.Sc. & A.H.) were filled through ICAR (AIEEA-UG). For B.V.Sc. & A.H., 15 percent of seats were filled through NEET. Furthermore, 30 percent of the seats in postgraduate and doctoral programmes were filled through the ICAR (AIEEA-PG) entrance test.

The number of candidates admitted to various degree programmes at SVPUA&T against the approved seats is presented below:

Programme-wise Seat Allotment (UPCATET 2023)

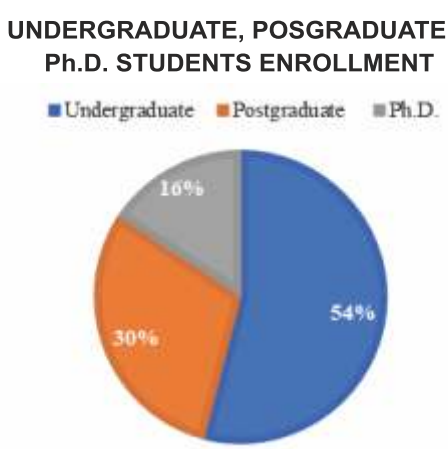
S.No.	Programme Name	Sanctioned Seats	Admitted Students
1	B.Sc. (Hons.) Agriculture	145	136
2	M.Sc. (Ag.) Agricultural Economics	03	03
3	M.Sc. (Ag.) Agricultural Extension Education	09	07
4	M.Sc. (Ag.) Agronomy	13	11
5	M.Sc. (Ag.) Animal Husbandry	06	04
6	M.Sc. (Ag.) Entomology	09	09
7	M.Sc. (Ag.) Genetics & Plant Breeding	09	09
8	M.Sc. (Ag.) Plant Pathology	09	09
9	M.Sc. (Ag.) Soil Science	09	08
10	Ph.D. (Agricultural Extension Education)	09	06
11	Ph.D. (Agronomy)	09	07
12	Ph.D. (Animal Husbandry)	06	04
13	Ph.D. (Entomology)	09	09
14	Ph.D. (Genetics & Plant Breeding)	09	07
15	Ph.D. (Plant Pathology)	09	06

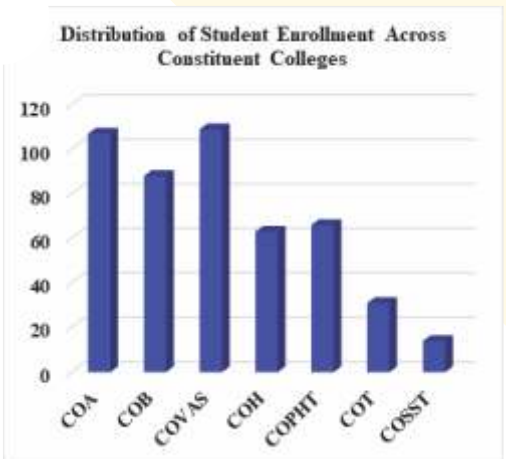
16	Ph.D. (Soil Science)	09	08
17	B.Tech. (Biotechnology)	90	62
18	M.Sc. (Molecular Biology & Biotechnology)	30	21
19	Ph.D. (Molecular Biology & Biotechnology)	16	05
20	B.Tech. (Agricultural Engineering)	44	31
21	M.Tech. (Agricultural Process & Food Engineering)	10	08
22	Ph.D. (Agricultural Process & Food Engineering)	04	03
23	B.V.Sc. & A.H.	68	68
24	M.V.Sc. (All disciplines combined)	72	46
25	Ph.D. (Veterinary Sciences – All disciplines)	28	01
26	B.Sc. (Hons.) Horticulture	44	38
27	M.Sc. (Horticulture – Floriculture, Fruit, Vegetable Sci.)	14	14
28	Ph.D. (Horticulture – Floriculture, Fruit, Vegetable Sci.)	12	11
29	B.Tech. (Food Technology)	44	37
30	B.Tech. (Dairy Technology)	44	29
31	B.Tech. (Sugarcane Science & Technology)	40	14
	Total	**820**	**625**

Student Profile

The total strength of students for the year 2023–24 enrolled in various degree programs offered by the constituent colleges of the University is as follows:

S.No.	Name of College	Parameters	Numbers		
			Bachelor's	Master's	Ph.D.
1	College of Agriculture	Intake (1stYr)	145	67	60
		Enrolled (1stYr)	136	60	47
		Passed Out	126	61	40
2	College of Biotechnology	Intake (1stYr)	90	30	16
		Enrolled (1stYr)	62	21	5
		Passed Out	67	6	4
3	College of Veterinary and Animal Sciences	Intake (1stYr)	68	72	28
		Enrolled (1stYr)	68	46	5
		Passed Out	69	7	3
4	College of Horticulture	Intake (1stYr)	44	14	12
		Enrolled (1stYr)	38	14	11
		Passed Out	41	11	10
5	College of Post Harvest Technology & Food Processing (B.Tech. Food Technology and B.Tech. Dairy Technology)	Intake (1stYr)	88	-	-
		Enrolled (1stYr)	66	-	-
		Passed Out	36	-	-
6	College of Technology	Intake (1stYr)	44	10	4
		Enrolled (1stYr)	31	8	3
		Passed Out	30	4	3
7	College of Sugarcane Science & Technology	Intake (1stYr)	40	-	-
		Enrolled (1stYr)	14	-	-
		Passed Out	-	-	-





UNIVERSITY CONVOCATION – 2024

The 16th Convocation of the University was held with due solemnity on 21 February 2024 at the Main Campus, Meerut. The occasion was graced by the distinguished presence of Professor Virendra Kumar Tewari, Director, Indian Institute of Technology, Kharagpur, who delivered the Convocation Address as the Chief Guest. The proceedings were presided over by Smt. Anandiben Patel, Hon'ble Governor of Uttar Pradesh and Chancellor of the University.

The Convocation ceremony commenced with a formal address of welcome by the Hon'ble Vice Chancellor, Prof. K.K. Singh, who extended warm greetings to the Hon'ble Chancellor and the esteemed Chief Guest. The proceedings were inaugurated with the ceremonial declaration of the Convocation opened by Her Excellency, the Governor. On this solemn occasion, the Vice Chancellor presented a comprehensive Progress Report, encapsulating the University's significant academic, research, and infrastructural advancements over the year. The ceremony culminated with the administration of the Convocation Oath, followed by the formal conferral of degrees upon the graduating students, marking a defining milestone in their academic journey.

Degrees Awarded

A total of 518 degrees were conferred during the Convocation across undergraduate, postgraduate, and doctoral programmes. The programme-wise distribution of degrees awarded is presented below:

Programme	Pass out
B.Sc. (Hons.) Agriculture	126
B.Tech. (Biotechnology)	67
B. V. Sc. & A. H.	69
B.Sc. (Hons) Horticulture	41
B.Tech. (Agril. Engg.)	30
B.Tech. (Food Technology)	36
M.Sc. (Ag.) Agril. Biotechnology	04

M.Sc. (Ag.) Agril. Economics	03
M.Sc. (Ag.) Agril. Extension & Comm.	06
M.Sc. (Ag.) Agronomy	12
M.Sc. (Ag.) Animal Husbandry	05
M.Sc. (Ag.) Entomology	06
M.Sc. (Ag.) Genetics & Plant Breeding	08
M.Sc. (Ag.) Plant Pathology	08
M.Sc. (Ag.) Soil Science &Agril. Chem.	09
M.Tech./M.Sc. (Biotechnology)/Plant Molecular Biology & Biotechnology	06
M.Tech. Agricultural Engineering (Agril. Process and Food Engg.)	04
M.V.Sc. (Animal Nutrition)	01
M.V.Sc. (Livestock Production and Management)	01
M.V.Sc. (Veterinary Gynaecology and Obstetrics)	01
M.V.Sc. (Veterinary Surgery and Radiology)	04
M.Sc. (Horticulture) Floriculture and Landscaping Architecture	04
M.Sc. (Horticulture) Fruit Science	04
M.Sc. (Horticulture) Vegetable Science	03
Ph.D. (Agril. Biotechnology)	06
Ph.D. (Agril. Extension & Comm.)	05
Ph.D. (Agronomy)	07
Ph.D. (Entomology)	06
Ph.D. (Genetics & Plant Breeding)	01
Ph.D. (Horticulture)	02
Ph.D. (Plant Pathology)	08
Ph.D. (Soil Science &Agril. Chemistry)	05
Ph.D. (Biotechnology)/Plant Molecular Biology & Biotechnology	04
Ph.D. Agricultural Engineering (Process and Food Engg.)	03
Ph.D. (Animal Nutrition)	01
Ph.D. (Livestock Products Technology)	01
Ph.D. (Veterinary Anatomy)	01
Ph.D. (Floriculture and Landscaping Architecture)	02
Ph.D. (Fruit Science)	04
Ph.D. (Vegetable Science)	04
Total	**518**

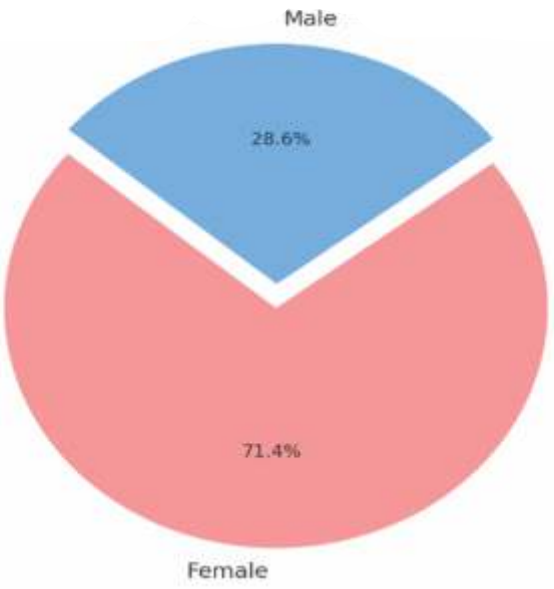
On this occasion, degrees were awarded to a total of 518 students by Her Excellency, the Governor of Uttar Pradesh. This included 126 students from the B.Sc. (Hons.) Agriculture programme, 67 from B.Tech. (Biotechnology), 41 from B.Sc. (Hons.) Horticulture, 30 from B.Tech. (Agricultural Engineering), and 36 from B.Tech. (Food Technology).

Further, 69 students were conferred the B.V.Sc. & A.H. degree. At the postgraduate level, 61 students received the M.Sc. (Agriculture) degree, 7 the M.V.Sc., 11 the M.Sc. (Horticulture), and 6 the M.Sc./M.Tech. (Biotechnology), and 4 the M.Tech. (Agricultural Process and Food Engineering). In addition, the Ph.D. degree was awarded to 60 candidates across various disciplines.

Student Awards for Academic Excellence

In recognition of academic excellence, students were conferred with the Chancellor's Gold Medal, Vice Chancellor's Gold, Silver, and Bronze Medals, as well as various sponsored medals. The details are as follows:

S.No.	Id No.	Name	Medal	Gender
B.Sc. (Hons.) Agriculture, Batch 2019-20				
1	A-4712/19	Sakshi Yadav	Vice Chancellor Gold	Female
2	A-4691/19	Shailesh Kumari	Vice Chancellor Silver	Female
3	A-4770/19	Jyoti Singh	Vice Chancellor Bronze	Female
B.Tech. (Agril. Engg.) Batch 2019-20				
1	AE-4506/19	Ankur Kumar Singh	Vice Chancellor Gold and Th. Shashi Pal Singh Memorial Gold	Male
2	AE-4501/19	Keshaw Tiwari	Vice Chancellor Silver	Male
3	AE-4519/19	Avnish Chauhan	Vice Chancellor Bronze	Male
B.Tech. (Biotechnology) Batch 2019-20				
1	B-4533/19	Uttam Patel	Vice Chancellor Gold	Female
2	B-4529/19	Pranjali Kaur Siddhu	Vice Chancellor Silver	Female
3	B-4566/19	Shraddha	Vice Chancellor Bronze	Female
B.Tech. (Food Technology) Batch 2019-20				
1	FT-4608/19	Aparna Yadav	Vice Chancellor Gold and Prof. Samsher Gold	Female
2	FT-4617/19	Gauri Aggarwal	Vice Chancellor Silver	Female
3	FT-4638/19	Anjali Chaudhary	Vice Chancellor Bronze	Female
B.Sc. (Hons.) Horticulture Batch 2019-20				
1	HORT-4455/19	Riddhi Bisht	Vice Chancellor Gold and Smt. Javitri Devi Memorial Gold	Female
2	HORT-4452/19	Divya Agnihotri	Vice Chancellor Silver	Female
3	HORT-4453/19	Abhishek Verma	Vice Chancellor Bronze	Male
B.V.Sc. & A.H. Batch 2018-19				
1	V-4309/18	Ruchika Sharma	Vice Chancellor Gold	Female
2	V-4257/18	Suraj Dhankar	Chancellor Gold and Vice Chancellor Silver	Male
3	V-4304/18	Swapnal Yadav	Vice Chancellor Bronze	Female



Gender Distribution of Medal Recipients

A total of three students were awarded M.Tech. degrees in Plant Molecular Biology and Biotechnology, while seven students successfully completed their M.V.Sc. degrees across various disciplines in Veterinary and Animal Sciences. The titles of their theses are listed below:

M.Tech. Degrees Awarded

S.N.	Name	Department	Thesis Title	Supervisor	Year of Award
1	Ms. Pratibha Chauhan	Plant Molecular Biology & Biotechnology	Biogenic synthesis, characterization of zinc oxide nanoparticles and its efficacy against seed borne fungi of wheat (*Triticum aestivum* L.)	Dr. Neelesh Kapoor	September 2023
2	Ms. Ritika	Plant Molecular Biology & Biotechnology	Studies on characterization of *Aspergillus* fungi from different rhizospheric samples for zinc solubilization under in-vitro conditions	Dr. Neelesh Kapoor	September 2023
3	Mr. Ankit Agarwal	Plant Molecular Biology & Biotechnology	Ameliorative effects of zinc oxide nanoparticles against heat stress in wheat (*Triticum aestivum* L.)	Dr. Neelesh Kapoor	September 2023

M.V.Sc. Degrees Awarded

S.N.	Name	Department	Thesis Title	Supervisor	Year of Award
1	Dr. Ashwani Yadav	Veterinary Surgery & Radiology	Comprehensive studies on clinical urolithiasis in buffaloes	Dr. Vineet Kumar	2023

2	Dr. Ashish Kumar	Veterinary Surgery & Radiology	Studies on ocular affections in dogs	Dr. Surbhi K. Tyagi	August 2023
3	Dr. Swati Rajput	Livestock Production Management	Effect of dietary inulin, *Bacillus subtilis*-based probiotics and synbiotic combination on Barbari goats	Dr. Manoj Kumar Singh	July 2023
4	Dr. Shubham Chaudhary	Veterinary Surgery & Radiology	Zoletil and Propofol-induced anaesthesia in premedicated dogs under isoflurane maintenance	Dr. Vivak Malik	August 2023
5	Dr. Ankur Kumar	Veterinary Medicine	Prevalence of subclinical mastitis in bovines and characterization of *Staphylococcus aureus* isolates in Western U.P.	Dr. Vipul Thakur	February 2024
6	Dr. Ram Janam Verma	Veterinary Gynaecology& Obstetrics	Reproductive toxicological effects of gold nanoparticles in rats using rhFSH-eluting chitosan gold nanosuspension	Dr. Manish K. Shukla	July 2024
7	Dr. Sagar Chaudhary	Veterinary Surgery & Radiology	Clinical studies of tumors in dogs	Dr. Ajit Kumar Singh	July 2024

Ph.D. Degrees Awarded

S.N.	Name of the Ph.D. Scholar	Name of Department	Thesis Title	Name of Guide	Year of Registration	Year of Awarded Degree
1	Mr. Gaurav Kumar Ahirwar	Horticulture	Studies on morphological traits, phytochemical, genetic diversity and optimization of in-vitro protocol in Bougainvillea spp.	Dr. Mukesh Kumar	PG/A-4248/18	August 2023
2	Mr. Ankit Tiwari	Agronomy	Effect of various nitrogen levels and seed rate on forage yield quality of makkhan grass (*Lolium multiflorum* L.) in western Uttar Pradesh	Dr. Mukesh Kumar	PG/A-5388/20	July 2023
3	Mr. Shivam Singh	Soil Scienceand Agricultural Chemistry	Adsorption - Desorption behaviour of Zinc in soils under prominent cropping systems of Western Uttar Pradesh	Dr. Satendra Kumar	PG/A-5405/20	July 2023
4	Mr. Khursheed Alam	Horticulture (Vegetable Science)	Genetic Analysis for Yield and Its Contributing Traits in Pea (*Pisum sativum* l.)	Dr. Manoj Kumar Singh	PG/H-4215/20	July 2023
5	Ms. Deepali Mudgal	Agril. Engineering (Process & Food Engg.)	Studies on Development of Value Added Products from Guavaand its Quality Evaluation during Storgae	Dr. B. R. Singh	PG/A-4229/20	July 2023

6	Mr. Malyaj Prajapati	Plant Molecular Biology and Biotechnology	*De Novo* Assembly and Characterization of Different Insect Transcriptomes against *Metarhizium anisopliae* (Metschn.) Through Next Generation Sequencing	Dr. Pankaj Kumar	PG- 4233/20	July 2023
7	Mr. Ravi Kumar	Plant Pathology	Studies on Management of Ascochyta Blight (*Aschochytapisi*Lib.) of Pea (*Pisum sativum* L.)	Dr. Prashant Mishra	PG/A-4223/20	August 2023
8	Ms. Vavilala Priyanka	Agriculture Extension and Communication	A Study on Managerial Abilities of Farmer Producers Organization Staff in Telegana	Dr. V. K. Singh	PG/A-5428/20	August 2023
9	Mr. Prafulla Kumar	Plant Molecular Biology and Biotechnology	Molecular Characterization and gene expression analysis of wheat (*Triticum aestivum L.)* under heat stress conditions	Dr. Ravindra Kumar	PG/PBB-5423/20	August 2023
10	Mr. Awadhesh Kumar Yadav	Agricultural Engineering (Process & Food Engineering)	Development of the Chips or Slices from Different Vegetables and Their Frying and Quality Evaluation	Dr. Suresh Chandra	PG/A-5421/20	August 2023
11	Mr. Vibhu Pandey	Horticulture (Fruit Science)	Genetic Fidelity Assessment of Strawberry (*Fragaria ananassa*Duch.) using Morpho-Physico- Biochemical and Molecular Markers	Dr. Arvind Rana	PG/H-4218	August 2023
12	Ms. Shruti	Plant Molecular Biology and Biotechnology	Studies on Physiological, Biochemical and Molecular responses of Lentil (*Lens culinaris*) Genotypes under Abiotic Stresses	Dr. Pankaj Kumar	PG/PBB-3364/20	August 2023
13	Mr. Rupam Sinha	Veterinary Anatomy	Gross Anatomical, Histological and Histochemical Studies on Gastrointestinal Tract of Japanese Quail, Kadaknath Fowl and Domestic Turkey	Dr. Prabhakar Kumar	PG/V-5420/20	August 2023
14	Mr. Pushpendra	Genetics & Plant Breeding	Genetic analysis of certain quantitative traits in Forage Sorghm (*Sorghum bicolor*L. Moench)	Dr. S. K. Singh	PG/A-5398/20	August 2023
15	Mr. Bharat Tiwari	Horticulture (Fruit Science)	Studies on Vegetative Reproductive and Biochemical Parameters of Pears (*Pyrus communis* L.) Cultivars As Affected by Bio-Fertilizers Under the Climatic Conditions ofWestern Uttar Pradesh	Dr. Arvind Kumar	PG/H-5410/20	August 2023
16	Mr. Prabhat Ranjan Pandey	Soil Scienceand Agricultural Chemistry	Assesment of Physical, Chemical and Biological Properties of Soil and Crop Productivity under Different Nutrient Management Appraches in Wheat (*Triticum aestivum* L.)	Dr. S. P. Singh	PG/A-5407/20	August 2023
17	Mr. Jagraj Singh	Horticulture (Vegetable Science)	Effect of Integrated Nutrient Management on Growth, Yield, Quality and Profitability of Bulbs f Onion (*Allium cepa* L.)	Dr. Satya Prakash	PG/H-3679/20	August 2023

18	Ms. Shalini Singh	Horticulture (Fruit Science)	Effcet of Foliar application of nano nitrogen (urea) and chelated zinc on growth, flowering, fruitng, yield and quality parameters of guava (*Psidium guajava* L.) under Western Uttar Pradesh conditions	Dr. Arvind Kumar	PG/H-5409/20	August 2023
19	Mr. Vishal Gangwar	Horticulture (Fruit Science)	Influence of Foliar Spray of NAA & Zinc on Growth, Flowering, Fruiting, Yield and Quality of Guava (*Psidium guajava* L.) Under Western U.P. Conditions	Dr. Satya Prakash	PG/H-5408/20	September 2023
20	Mr. Chetan Chauhan	Horticulture (Floriculture and Landscaping Architecture)	Effect of different Chemicals on Vase Life of Dahlia Cut Flower, Expression Analysis of Senescene Associated Genes (SAGs) and Their In- *silico Analysis*	Dr. Mukesh Kumar	PG/H-3680/20	September 2023
21	Mr. Chandra Shekhar Prajapati	Agricultural Extension and Communication	Impact of KVKs Training on Rural Youth in Western Uttar Pradesh	Dr. L. B. Singh	PG/A-5426/20	September 2023
22	Mr. Deepak Kumar	Plant Pathology	Studies on Management of spot blotch of wheat caused by *BipolarisSorokiniana*	Dr. Ramji Singh	PG/A-5400/20	September 2023
23	Mr. Chandrakant	Entomology	Studies on Insect pest dynamics of cabbage and mangement strategies of Diamondback Moth, *Plutellaxylostella* (Linn.)	Dr. D. V. Singh	PG/A-2216/20	September 2023
24	Ms. Lingutla Geethanjali	Entomology	Screening of Mustard varieties against Mustard Aphid, *Lipaphiserysimi*(Kaltenbach) and its Eco-friendly Management	Dr. Hem Singh	PG/A-5396/20	September 2023
25	Mr. Vivek Kumar Pandey	Agronomy	Response of Wheat (*Triticum aestivum* L.) under various moisture regimes and INM modules	Dr. Adesh Singh	PG/A-5429/20	September 2023
26	Mr. Vikas Rathi	Plant Pathology	Studies on root knot Nematode (*Meloidogyne enterolobii*) of Guava	Dr. Kamal Khilari	PG/A-5401/20	September 2023
27	Mr. Bhupendra Singh	Entomology	Studies on varietal screening and eco-friendly management of grampod borer, *Helicoverpa armigera* (Hubner) in Chickpea	Dr. Hem Singh	PG/A-4208/20	September 2023
28	Mr. Dhruv Singh	Entomology	Studies on hostpreference, varietal resistance and management of *Callosorbruchus maculatus (Fab.) in Pigeon Pea* ,Cajanus cajan (Linn.)	Dr. D. V. Singh	PG/A-5395/20	September 2023
29	Mr. Satvaan Singh	Horticulture (FLA)	Eco-friendly utilization of Organic Manure and Fly Ash on Growth, Flowering and Quality Attributes in Chrysanthemum (*Chrysanthemum morifolium Ramat.)*	Dr. Sunil Malik	PG/H-5414/20	September 2023

30	Ms. Konjengbam Monika Devi	Agricultural Extension and Communication	A Multidimensional Study on Organic Farming in theState of the Manipur	Dr. Dan Singh	PG/A-5427/20	September 2023
31	Mr. Pardeep Kumar Verma	Plant Pathology	Comparative Studies on Production Technology of *Pleurotus* species and *Schizophyllum*species	Dr. Gopal Singh	5404	September 2023
32	Mr. Reetesh Pratap Singh	Entomology	Studies on varietalscreeingand field efficacy of different bio- Pesticides and insecticides against Fruit Borer ,*Helicoverpa armigera* (Hubner) in Tomato	Dr. Rajendra Singh	PG/A-4209/20	September 2023
33	Mr. Satyendra Kumar Vishwakarma	Plant Pathology	Detection and Identification of Karnal Bunt (*Tilletia indica*) in Meerut Region for Trade Promotion of Wheat (*Triticum aestivum* L.)	Dr. Ramesh Singh	5402	September 2023
34	Mr. Rishabh Kumar Maurya	Agricultural Extension and Communication	A Study on Migrational Attitude of Rural Youth Towards Urban Areas in Eastern Uttar Pradesh	Dr. R. N. Yadav	PG/A-5425/20	September 2023
35	Mr. Popin Kumar	Plant Pathology	Studies on theeffect of different inorganic and herbal additives on production Milky Mushroom (*Calocybe indica*)	Dr. Gopal Singh	4922	September 2023
36	Mr. Mohit	Horticulture (Vegetable Science)	Studies on Genemtic Diversity and Molecular Characterization in Tomato (*Solanum lycopersicum*L.) Genotypes	Dr. Bijendra Singh	PG/H-1760	September 2023
37	Mr. Deepak Kumar	Horticulture (Vegetable Science)	Morphological And Molecular Marker Based Screening of Tomato Genotypes (*Solanum lycopersicum*L.) For Ty-2 Gene	Dr. Vipin Kumar	PG/H-5411/20	September 2023
38	Mr. Krishanu	Agriculture Biotechnology	*In-vivo* and *In-vitro* screening of drought tolerance and molecular characterization of sugarcane (*Saccharum Officinarum*L.) varieties	Dr. R. S. Sengar	2924	October 2023
39	Dr. Chirag Singh	Livestock Products Technology	Technology Standardization and Effect Assessment of Terminalia Arjuna Bark and Hylocereus Undatus Peel Extract Ready- To- Cook Chevon Chunks	Dr. V. P. Singh	PG/V-5418/20	2023
40	Mr. Ajay Kumar	Agronomy	Role of Nitrogen Fertilizer in Enrichment of wheat Grains with Zinc and Iron through Ferti-fortification	Dr. Mukesh Kumar	PG/A-5390/20	2023
41	Ms. Shivani Chaudhary	Plant Pathology	Studies on Biology, Molecular Characterization and Eco-Friendly Management of Root Knot Nematode (*Meloidogyne graminicola*) of Basmati Rice	Dr. Kamal Khilari	PG/A-5399/20	January 2024
42	Mr. Alamgir	Agricultural Biotechnology	TRV- based Virus Induced Gene silencing (VIGs) of *MADS* box gene(s) in *Petunia hybrida*	Dr. Pushpendra Kumar	4892/19	January 2024

43	Ms. Suniti	Agricultural Biotechnology	Functional characterization of*MIKC* type *MADS* box transcription factors controlling flower development in Petunia *(Petunia hybrida*)	Dr. Pushpendra Kumar	3975/17-18	January 2024
44	Mr. Ali Sina Jayhoon	Agricultural Biotechnology	Studies on Grain Quality Characters and Related Gene Expression Analysis in Aromatic Rice (*Oryza sativa* L.)	Dr. Pushpendra Kumar	5445/20	February 2024
45	Mr. Vishal Srivastava	Horticulture	Influence of Integrated Nutrient Management and Foliar Spray of Biostimulants on Growth, Flowering and yield of Tuberose (*Polianthes tuberose* L.)	Dr. Satendra Kumar	PG/H-5412/20	February 2024
46	Mr. Anuj Kumar	Livestock Production and Management	Effect on enzyme supplementation on productive and reproductive performance of lactating murrah buffaloes in different seasons	Dr. Amit Kumar	PG/V-3123/21	February 2024
47	Ms. Anam Khan	Entomology	Studies on screening of different varieties and field evaluation of bioefficacy of green label insecticides and biopesticides against *Helicoverpa armigera* (Hubner) and *Etiellazinckenella*(Treitschke)	Dr. Gaje Singh	PG/A-5394/20	February 2024
48	Mr. Pankaj Singh	Plant Pathology	Molecular characterization of *Phomopsis vexans*inciting fruit rot of brinjal (*Solanum Melongena* L.) its integrated management and residue analysis of some fungicides	Dr. Ramesh Singh	PG/A-5403/20	February 2024
49	Ms. Shagun Nehra	Genetics & Plant Breeding	Genetic Analysis for Yield and its contributing traits in greengram (*Vigna radiata* (L.) Wilczek)	Dr. Atar Singh	PG/A-5397/22	February 2024
50	Mr. Pankaj Kumar Maurya	Veterinary Physiology	Influence of Silymarin and Selenium Yeast on Antioxidant, Metabolic and Immune Status of Barbari Goat during different seasons	Dr. R. K. Singh	PG/V-5907/21	April 2024
51	Miss Ritu Rani	Agril. Biotechnology	Identification and Characterization of Mutant Lines for Resistance Towards Moisture Stress in Wheat (*T. aestivum* L.)	Dr. Manoj Kumar Yadav	4244	May 2024
52	Mr. Nikhil Chand	Plant Molecular Biology & Biotechnology	Network Analysis of Nitrogen and Phosphorous Utilization Efficiency Genes in Wheat (*Triticum aestivum* L.)	Dr. Rekha Dixit	PG/ A-5424	2024

Student Achievements

During the academic year 2023-24, a total of 41 students from various constituent colleges of the University qualified for national-level competitive examinations, reflecting the institution's academic depth and research orientation. The College of Agriculture accounted for 28 successful candidates, with qualifications spanning ICAR-NET, UGC-NET, CSIR-NET, and associated Junior Research Fellowships (JRFs). Notably, several students achieved dual or multiple qualifications, including NET-JRF combinations, indicating high levels of scholarly preparedness.

The College of Technology reported that two students secured top positions in the Graduate Aptitude Test in Engineering (GATE), with All India Ranks of 12 and 22, respectively. These outcomes reflect the technical competence and national competitiveness of the student cohort.

The College of Horticulture contributed 10 candidates who qualified for the Agricultural Scientists Recruitment Board (ASRB) NET, conducted under the aegis of the Indian Council of Agricultural Research (ICAR), underscoring the college's growing emphasis on research-oriented learning.

In addition, the College of Veterinary and Animal Sciences recorded 1 student qualifying for the NET, contributing to the University's overall academic achievements in veterinary and animal sciences.

These results collectively underscore the University's sustained commitment to academic excellence, rigorous training, and the advancement of research capacity across disciplines.

S.N.	Achievement	Name of Student	ID No.	NET Qualified Exam(s) / Details	College
1	NET Qualified	G. Indira	4819	Ph.D. Agronomy (NET Qualified)	College of Agriculture
2	NET Qualified	Roop Kumar	2095	ICAR NET	College of Agriculture
3	NET Qualified	Rishabh Kumar Maurya	5425	ICAR NET	College of Agriculture
4	NET Qualified	Chandra Shekhar Prajapati	5426	ICAR NET	College of Agriculture
5	NET Qualified	Vavilalala Priyanka	5428	ICAR NET, ICAR NET & JRF	College of Agriculture
6	NET Qualified	Mohit Kumar Pandey	4806	ICAR NET	College of Agriculture
7	NET Qualified	Shubham Singh	5888	ICAR NET	College of Agriculture
8	NET Qualified	Manoj Kumar	5992	ICAR NET	College of Agriculture
9	NET Qualified	Mohit Singh	6457	ICAR NET	College of Agriculture
10	NET Qualified	Raj Laxmi	6549	ICAR NET	College of Agriculture
11	NET Qualified	Sweta Kumari	6453	ICAR NET	College of Agriculture

12	NET Qualified	Madhumita Rama Tulsi Gonugunta	5435	UGC NET	College of Agriculture
13	NET Qualified	Konjeng Bam Monika Devi	5427	UGC NET	College of Agriculture
14	NET Qualified	Pramod Tripathi	4805	UGC NET	College of Agriculture
15	NET Qualified	Rishabh Yadav	5889	UGC NET & JRF	College of Agriculture
16	NET Qualified	Raj Kumar	6000	ICAR NET, CSIR NET & CSIR JRF	College of Agriculture
17	NET Qualified	Shivani Ahalawat	4840	ICAR NET	College of Agriculture
18	NET Qualified	Anusha Thanthati	6553	ICAR NET	College of Agriculture
19	NET Qualified	Anant	5858	ICAR NET	College of Agriculture
20	NET Qualified	Mayank Tiwari	6019	ICAR NET	College of Agriculture
21	NET Qualified	Rahul Singh Chauhan	5330	ICAR NET	College of Agriculture
22	NET Qualified	Shivam Singh	5405	ICAR NET	College of Agriculture
23	NET Qualified	Mahima Dixit	5895	ICAR NET	College of Agriculture
24	NET Qualified	Raisen Pal	6030	ICAR NET	College of Agriculture
25	NET Qualified	Sonia Mistry	6556	ICAR NET & UGC NET	College of Agriculture
26	NET Qualified	Aashu Rajput	6031	ICAR NET & UGC NET	College of Agriculture
27	NET Qualified	Siddhant Tomar	5864	ICAR NET	College of Agriculture
28	NET Qualified	Yogesh Kumar	6023	ICAR NET & UGC NET	College of Agriculture
29	GATE Qualified (AIR–12)	Akshay Kumar Tyagi	5017	-	College of Technology
30	GATE Qualified (AIR –22)	Vishu Verma	5018	-	College of Technology
31	NET Qualified – ASRB, New Delhi	Jagraj Singh	3679	ASRB NET	College of Horticulture
32	NET Qualified – ASRB, New Delhi	Mohit	1760	ASRB NET	College of Horticulture
33	NET Qualified – ASRB, New Delhi	Manish Kumar	5903	ASRB NET	College of Horticulture
34	NET Qualified – ASRB, New Delhi	Khursheed Alam	4215	ASRB NET	College of Horticulture

35	NET Qualified – ASRB, New Delhi	Sudhanshu Singh	4849	ASRB NET	College of Horticulture
36	NET Qualified – ASRB, New Delhi	Rahul Kumar	5351	ASRB NET	College of Horticulture
37	NET Qualified – ASRB, New Delhi	Abhishek Chandra	4853	ASRB NET	College of Horticulture
38	NET Qualified – ASRB, New Delhi	Rohit Gangwar	5900	ASRB NET	College of Horticulture
39	NET Qualified – ASRB, New Delhi	Rupesh Kumar	5352	ASRB NET	College of Horticulture
40	NET Qualified – ASRB, New Delhi	Shalini Singh	5409	ASRB NET	College of Horticulture
41	NET Qualified – ASRB, New Delhi	Pallav Kumar Trar	5366	ASRB NET	COVAS

STUDENT WELFARE

The Office of the Dean, Students' Welfare, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, has been in existence since the inception of the University. This office oversees various student activities and facilities, including sports, culture, fellowships, recreation, health, etc. Moreover, dignitaries of different fields are invited to share their thoughts, experiences and views with staff and students.

Health Facilities

Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, has established a University Hospital to provide improved health facilities to students and staff. Special facilities for various specialities are made available in the OPD, along with need-based day observation, and minor Surgery at the main campus. The hospital has one male, one female and one VIP ward with five-bed facilities as well as one minor operation theatre. University Hospital has a 24-hour ambulance service for emergencies allowing patients to be transported further medical evaluation. Important equipment and instruments like ECG Machine, Glucometer, Electronic balance, Binocular microscope, autoclave, Haemoglobin meter, clinical chemistry analyzer, Hot plate, Oxygen cylinder with regulator, bottle, glass A Type, Needle cutter, Suction apparatus, Instrument sterilizer, Repellent, X-ray viewing box, Wheelchair, Computer with printer, etc. are available in the University hospital.

Sports and Cultural Facilities

Physical Education and Sports play a vital role in the development and maintenance of personality, physical fitness, health and body building of the students. Along with the development of the academic career of the students, this university also strives hard to take care of the physical fitness and personality development of the students by involving them in physical education, sports, cultural, and adventurous activities, etc., at the University level under the direct guidance of the Dean of Students' Welfare.

Sports facilities, includes a 400-meter track, volleyball court, basketball court, kabaddi, table tennis court, kho-kho, gymnasium, mini gymnasium at the girls' hostel, badminton hall, indoor games area, and sports equipment, are available on the University campus. Efforts are being made to strengthen and develop sports infrastructure and facilities with modern sports amenities.

The University students are also trained to develop skills and excellence in various sports activities. Inter-hostel and Inter-college competitions for various games and sports are organized.

The university has developed a well-equipped music room to facilitate cultural events.

Disabled Friendly Facilities

Wheelchairs have been provided for physically disabled students. Additionally facilities have been installed in colleges and hostels to ensure accessibility.

Students and Staff Amenities

1. Hostels

The hostel environment plays a vital role in the development of the personality and character of the students. Good hostel facilities are provided to all the undergraduate and post-graduate students of the University with an attached mess. In some hostels, self-managed mess is governed by the students, while a contract system manages some under the supervision of the Hostel Warden. Hostel Wardens are appointed in each hostel to maintain student facilities and solve the residential problems of the students.

Separate hostel accommodation for boys and girls is available at the University campus. The girl boarders are housed in Shaheed Bhagat Singh Girls Hostel-1, Shaheed Bhagat Singh Girls Hostel-2, Sarojini Bhawan Girls Hostel, Lal Bahadur Shastri Hostel and New Girls Hostel. Male boarders are housed in fifteen hostels:

Gandhi Bhawan, Subhas Bhawan, Tagore Bhawan, CV Raman Hostel, and Pt. Jawahar Lal Nehru Bhawan, Dr. APJ Abdul Kalam Hostel, Har Govind Khurana Hostel, Skill Development Hostel, Type-I A Block, Type-I B Block, Type-I C Block, Vivekanand Hostel, Krishak Hostel, Patel Hostel and International Hostel with adequate furniture and fixture facilities. Spacious and well-furnished dining hall, common room, lawn, courtyard, CTV with cable/dish connection, water purifier, geyser in washrooms, etc., have also been provided in the hostels. International Hostel with single room suites for foreign students with a kitchenette and attached restrooms also exists.

2. Group Insurance Scheme

Every year, the University provides a medical assistance facility for the students and staff through the University Health Centre. During the year under report, the University has implemented a "Student Group Insurance Policy (Personal Accident Policy)" scheme for students. Under this scheme, Rs 373.29 /- from each student is collected as security insurance and forwarded to TATA AIG General Insurance Co., LTD. As per the agreement between the University and the insurance company, a claim is submitted to the insurance company through the proper channels in case of any mishap or accident. The amount of claim is up to Rs 5,00,000/- for death and Rs 1,00,000/- for the parent of the student's death.

3. Scholarships/ Fellowships

The University makes efforts to find scholarships and various financial aid channels so that needy students do not turn away from the mainstream of education. Our primary goal is to bring the downtrodden, economically disadvantaged and underprivileged students into the educational system. There are two major types of scholarships: University-related and sponsored by the Government. The institutional financial aid was available in time for all students. Besides, all the financial aid was disbursed on time during the last four years. The details of various scholarships and financial assistance are given below.

- Award of Ph.D. Scholarship/Fellowship: Rs. 1500 per month
- Scholarship from Mandi Parishad. B.Sc., M.Sc. 3000/- & Ph D 6000/-
- ICAR Junior Research Fellowship
- ICAR Senior Research Fellowship
- UGC M. Tech. Fellowship for ST/SC students. Rs. 5000/- 15000 contingency
- U.G.C. Rajiv Gandhi National Fellowship for SC/ST unemployed students.
- Indira Gandhi National Fellowship (Post Graduate Indira Gandhi National Fellowship for a single girl child) 2000/ per month

Scholarship and fees available from Samaj Kalian, Meerut

Category	No. of Students Online Apply	No. of R eceived Scholarship	Amount of Scholarship	Amount of Fee Reimbursement	Total Amount
General	359	355	38,50,500.00	1,41,05,200.00	1,79,55,700.00
SC	122	121	12,43,350.00	64,25,600.00	3,07,580.00
ST	08	08	70,240.00	3,07,800.00	3,78,040.00
OBC	596	576	5260,360.00	2,26,16,400.00	2,78,76,760.00
Minority	46	46	4,80,680.00	18,40,100.00	23,08,780.00
Total	**1131**	**1106**	**1,08,93,130.00**	**4,52,95,100.00**	**5,15,86,860.00**

Other Sporting and Recreational Activities

Extra-Curricular Activities organized

S. No.	Date	Event / Celebration
1	26 June 2023	Blood Donation Camp
2	15 August 2023	Independence Day
3	05 September 2023	Teacher's Day
4	02 October 2023	Mahatma Gandhi Jayanti & Lal Bahadur Shastri Jayanti
5	02 October 2023	Foundation Day
6	31 October 2023	Sardar Vallabhbhai Patel Jayanti & Run for Unity
7	03 December 2023	Agricultural Education Day
8	26 January 2024	Republic Day
9	31 January 2024	Ravidas Jayanti
10	14 April 2024	Dr. B. R. Ambedkar Jayanti
11	21 May 2024	Anti-Terrorism Day
12	21 June 2024	International Day of Yoga

Annual Games and Sports: Spardha- 2023

The University organized its Annual Games from December 13–29, 2023, showcasing a vibrant blend of sportsmanship, teamwork, and competitive spirit. The sporting calendar featured six major team events: Kabaddi, Volleyball, Kho-Kho, Badminton, and Table Tennis, along with 15 athletic events. The Games were formally inaugurated on December 27, 2023, in the august presence of Dr. K. K. Singh, Chairman of the function; Mr. Vinayak Arya, distinguished National CBSE Team Player and Chief Guest; together with other eminent dignitaries of the University.

More than 510 students enthusiastically participated in various track and field events, reflecting the University's commitment to holistic student development. The College of Biotechnology secured the overall championship of the tournament, demonstrating exceptional performance across events. Anmol Sharma and Himanshi Vihan were honoured as the Best Athletes in the boys' and girls' categories, respectively. The tournament concluded with a grand closing ceremony held on December 29, 2023, at the University's main stadium, marking yet another milestone in the institution's pursuit of excellence in sports and co-curricular activities.

Foundation Day Celebration: 23th Foundation Day "Abhivyakti 2023" was celebrated in the University

Mahatma Gandhi and Lal Bahadur Shastri Jayanti celebration at the University

International Yoga Day on 21st June, 2023

133rd Jayanti of Dr Bhimrao Ambedkar celebration on 14th April, 2024

Sardar Vallabhbhai Patel Jayanti and Run for Unity on 31st October 2023 on the birth date of Iron Man of India, Sardar Vallabhbhai Patel

NATIONAL CADET CORPS (NCC)

The National Cadet Corps (NCC) is a voluntary organization contributing significantly to nation-building. It plays a crucial role in fostering national integration by encouraging interaction among individuals from diverse castes, creeds, and cultures. To channel the energy of youth in a constructive direction, NCC has been incorporated into the curriculum of all colleges. At present, NCC has an enrolled strength of over 13 lakh cadets across the country and comprises two divisions under all three Services: The Senior Division/Senior Wing for boys and girls from colleges, and the Junior Division/Junior Wing for boys and girls from schools. The motto of NCC, "Unity and Discipline," reflects its core values and guiding principles.

The NCC units operating in universities have two divisions - Senior Division (SD) for boys and Senior Wing (SW) for girls. A regular professor or teacher working in the University serves as an Associate NCC Officer for the execution of compulsory classes, parades, social events and other such activities conducted from time to time. The duration of the course is 02 years for passing the 'B' certificate examination and 03 years for passing the 'C' certificate examination. Every year, 01 Combined Annual Training Camp (CATC) of 10-12 days duration, Adventure Camp, RDC, Leadership Camp, and Thal Sainik Camp (TSC) are organized for basic, advanced and specialized training of cadets. During these camps, the cadets participate in different activities including, weapon training, field craft and battle craft, obstacle, map reading, essay writing, volleyball competition and tug of war competitions. The cadets are also taught various essential lessons, such as personality development, life skills, national integration, etc., for their overall development.

NCC in Institutions

Aims

1. To develop qualities of character, comradeship, discipline, secular outlook, spirit of adventure, sportsmanship and ideals of selfless service among the youth of the country.
2. To create a human resource of organized, trained and motivated youth, to provide leadership in all walks of life, and always be available for the service of the nation.
3. To provide a suitable environment to motivate the youth to take up a career in the armed forces.

NCC at SVPUAT

1. Divisions: Senior division (Boys) and Senior Wing (Girls)
2. Battalion: 70 UP Battalion
3. No. of platoons: Two (1PL 1/70 UP COY NCC & 1PL 2/70 UP COY NCC)
4. Total strength of cadets: 104 (in three years)
5. Duration of course: 2 years for the 'B' certificate and 3 years for the 'C' certificate
6. Students passed (2023-24)

Academic year	B Certificate			C certificate		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %
2023-24	45	40	90.50	45	23	87.50

Camps conducted during training (2023-24)

1. CATC- 260 from 30-08-2023 to 08-09-2023 at Swami Vivekananda Subharti University, Meerut.
2. CATC-252 from 06 to 15 May 2023, at Shobhit University, Meerut.
3. ATC-250 from 17 to 26 May 2024, at Vidya Knowledge Park, Meerut.

List of various activities conducted under NCC (2023-24)

S. No.	Name of activity conducted	Date/Duration	Number of participant
1.	Tree Plantation Day	22-07-2023	10
2.	World Plastic Bag Free Day	22-07-2023	10
3.	Independence Day	15-08-2023	33
4.	NCC, Shooting Range	16-09-2023	45
5.	Swachchta Activities	13-09-2023	42
6.	NCC Performance Meeting	25-09-2023	51
7.	Swacchta Rally	30-09-2023	45
8.	Foundation Day	02-10-2023	35
9.	Students Conference Meeting	06-10-2023	53
10.	Swachchta Activities	07-10-2023	54
11.	Recruitment Day	13-10-2023	40
12.	Sardar Vallabhbhai Patel Jayanti/ Run for Unity	31-10-2023	57
13.	Blood Donation	27-11-2023	05
14.	Uniform distribution	20-12-2023 to 21-12-2023	90
15.	Annual Sports Competition	27-12-2023	70
16.	Republic Day Celebration	26-01-2024	73
17.	Convocation	19-02-2024	43
18.	World Environment Day "Puneet Sagar Abhiyan"	05-06-2024	27
19.	Yoga week Celebration	20-06-2024	40
20.	National Yoga Day Celebration	21-06-2024	30

ACTIVITIES CONDUCTED IN 2023-24

NCC Cadets Planting trees in the University Campus on Environment Day

NCC Cadets and students in cleanness drive: Plastic bag free campus

NCC Cadets in cleanness drive: Plastic bag free campus

NCC Cadets in cleanness drive: Plastic bag free campus

NCC Cadets for Shooting practice on aim area

NCC Cadets for Shooting practice on aim area

Best performing cadets in Combined Annual Training Camp CATC- 260

Combined Annual Training Camp CATC- 260 at Swami Vivekanand Subharti University, Meerut from 30-08-2023 to 08-09-2023

Performing by NCC Cadets

NCC Conference Meeting

Recruitment Day

Recruitment Day

Uniform distribution for NCC Cadets

Uniform distribution for NCC Cadets

Republic Day Celebration all Campus Member with NCC Cadets

Celebration Sardar Vallabhbhai Patel Jayanti in University Campus

Participate the NCC Cadets and students in Run for Unity programme

23th Foundation day Celebration by NCC Cadets

Annual University Sports Meet- 'Spardha 2023'

Annual University Sports Meet- 'Spardha 2023'

Republic Day March with Hon'ble Vice-Chancellor, Registrar and other dignitaries

Republic Day Celebration with NCC Cadets

NCC participation in university convocation program

NCC Cadets in university convocation program

World Environment Day
"Puneet Sagar Abhiyan"

Awareness lecture by NCC Cadet explaining the importance of environmental conservation and circular economy

NCC Cadet on the occasion of environment day

Celebrating Environment Day, NCC Cadet with Dr. (Lt.) Ahmad Fahim, Assoc. NCC Officer

Tree plantation by NCC Cadets in university campus

Dean COVAS, College faculty and NCC Cadets Planting trees on Environement Day

NCC Cadets made people aware about Yoga through rally

NCC cadet celebrated Yoga by Tarang in Shobhit University, Meerut at National Yoga Day.

NATIONAL SERVICE SCHEME (NSS)

The UniversityNSS Unit plans and coordinates various activities to promote overall personality development of the students and groom them as Good Citizens of the Nation, while also with rendering service to the community. The Unit also supervises NSS Volunteer activities to enable them to work in a democratic set-up and to develop among themselves a sense of social and civic responsibility. A volunteer is expected to remain disciplined under all circumstances and maintain the overall standard of the University. They are encouraged to plan and participate in all activities of the Unit.

Aim and Objectives

- Understand the community in which they work.
- Understand themselves in relation to their community.
- Identify the needs and problems of the community and involve them in the solving process.
- Utilize their knowledge in finding practical solutions to individual and community problems.
- Develop competence required for group living and sharing of responsibilities.
- Gain skills in mobilizing community participation
- Acquire leadership qualities and a democratic attitude
- Develop the capacity to meet emergencies and natural disasters
- Practice national integration and social harmony.

Motto

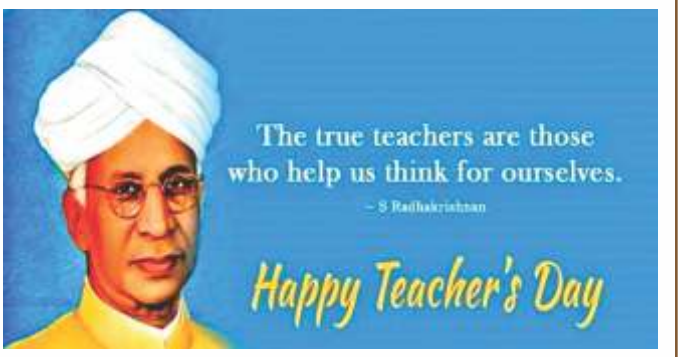
The motto of the NSS is 'NOT ME BUT YOU'.

Programmes

The NSS has two types of programmes:

- Regular Activities
- Special Camping Programmes

Independence Day
(15 August, 2023)



Teachers Day
(5 September, 2023)

Hindi Diwas
(14 September, 2023)

Old Age Home Visit
(16 September, 2023)

NSS Day
(24 September, 2023)

Kisan Mela
(22-24 September, 2023)

Meri Mati Mera Abhiman
(13 October, 2023)

Campus Cleaning Campaign
(4 November, 2023)

Parthenium Eradication Campaign
(25 November, 2023)

Plantation Day
(6 December, 2023)

Annual Sports
(10-22 December, 2023)

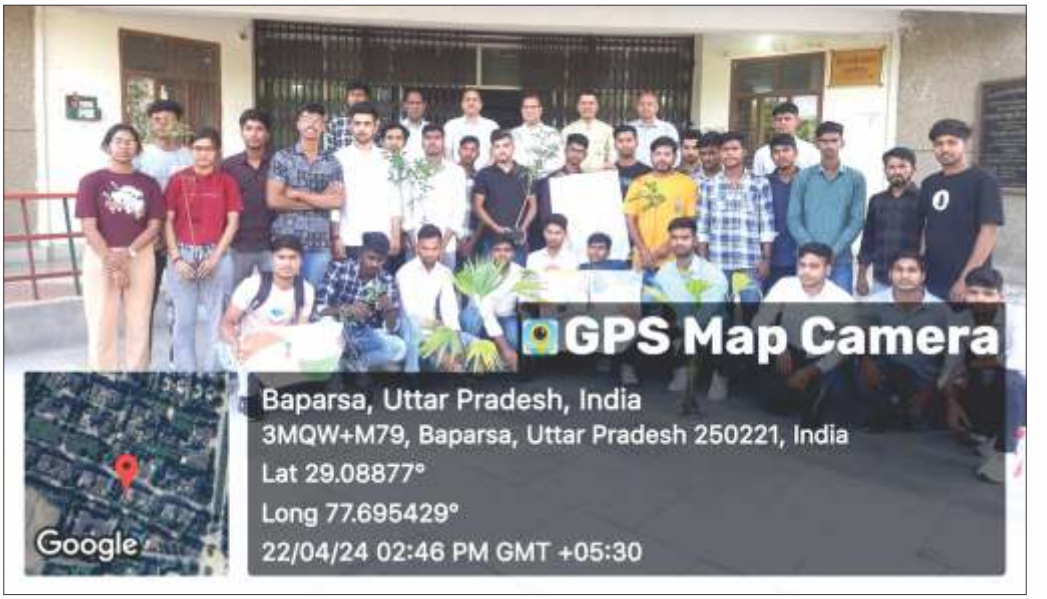
Republic Day
(26 January, 2024)

National Road Safety
(11-17 January, 2024)

Campus Cleaning
(27 January, 2024)

Students Teachers
Interaction Session
(13 March, 2024)

Voter's Oath
Awareness Programme
(22 April, 2024)



World Earth Day
(22 April, 2024)

Rangoli Competition
(14 June, 2024)

कृषि विवि के छात्रों ने निकाली रैली

मोदीपुरम: सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय में अंतरराष्ट्रीय योगा दिवस को लेकर मनाए जा रहे योगा उत्सव सप्ताह के अंतर्गत शनिवार को रैली का आयोजन किया गया। रैली को संबोधित करते हुए कृषि विश्वविद्यालय के कुलपति डॉ. केके सिंह ने कहा की नित्य योग करने से आत्मविश्वास में बढ़ोतरी होती है। साथ ही एकाग्रता बढ़ती है। छात्र-छात्राओं ने लोगों को स्लोगन, पोस्टर व गीतों के माध्यम से योगा करने के लिए प्रेरित किया।

NSS Rally
(17 June, 2024)

Quiz Competition
(19 June, 2024)

Mock Interview Session
(20 June, 2024)

International Yoga Day
(21 June, 2024)

Sharbat Vitran
(27 June, 2024)

TRAININGS AND PLACEMENTS ACTIVITIES

During the last 3 years, the Directorate contacted more than 300 prospective employers. About 35 on campus/outside interviews were held and more than 100 students were selected through the Placement cell. Besides this several students got job on their own choice through off campus interviews and got selection in Govt. jobs, SAUs, ICAR, nationalized banks, private Universities, colleges and private companies like fertilizers, pesticides, pharmaceuticals, seed, sugar industries etc.

On Campus Placement

Directorate of Training and Placement called more than 10 companies in 2023-24 for campus placement and more than 85 student got placement in reputed companies' viz. Jain Irrigation, Techino Agri Science Ltd., Chandigarh, Karnataka Agro Chemicals, Banas Dairy Gujrat, Nutrimed Healthcare, Shree TNB Polymer Ltd., Supple Tek Rice Pvt Ltd. New Delhi, Future Chem Pvt. Ltd. New Delhi, Symbiosis Animal Health Pvt. Ltd. Gujrat, Chandigarh. The students also got placement in various government Universities, ICAR institutions and reputed Private universities with attractive salary packages.

Details of the selected students through campus placement

S. No	Recruiter/Company	Date of Interview	No of selected students	Salary package per annum
1	Jain Irrigation	07-07-2023	09	–
2	Techino Agri Science Ltd., Chandigarh	18-07-2023	04	375000
3	Karnataka Agro Chemicals	21-08-2023	10	150000
4	Banas Dairy Gujrat	30-08-2023	12	250000
5	Nutrimed Healthcare	13-10-2023	03	350000
6	Shree TNB Polymer Ltd.	20-11-2023	06	200000
7	Karnataka Agro Chemicals	01-04-2024	10	150000
8	Supple Tek Rice Pvt Ltd. New Delhi	09-05-2024	11	–
9	Future Chem Pvt. Ltd. New Delhi	14-05-2024	06	304000
10	Banas Dairy Gujrat	18-05-2024	10	250000
11	Symbiosis Animal Health Pvt. Ltd. Gujrat	21-05-2024	03	–
12	Techino Agri Science Ltd., Chandigarh	06-06-2024	01	375000
	Total number of students selected		**85**	–

Off Campus placement

Details of Off Campus placement of students				
S.No.	**Student**	**ID**	**Degree Prog.**	**Placement**
1	Harish Kumar	1131	B.Sc.(Hons.) Agriculture	Jila Vidyaalay Nireekshak Janapad-Haradoee (U.P)
2	Aashish Rana	2373	B.Sc.(Hons.) Agriculture	Shri Satyanarayan Jaiswal Kaaryapaalak Abhiyanta (Works & T.L.Q.A.) Central Public Works Department Office Of Additional Director General(Region Delhi) 216-A. Nirman Bhawan New Delhi-110011
3	Ekta Saini	3523	B.Sc.(Hons.) Agriculture	Manager (Administration) For Area Manager Food Corporation Of India Divisional Office,Dhunike Complex,281-281A Grain Market,Bathinda-151001
4	Deepak Kumar Singh	93	B.Sc.(Hons.) Agriculture	Kavya Desai IDFY (Baldor Technologies PVT.LTD. Corporate Address-IDFY,8th Floor,Skyline Icon Andheri-Kurla Road,Marol,Andheri East,Mumbai Maharashtra-400059(India)
5	Divas Bhardwaj	4714	B.Sc.(Hons.) Agriculture	Ms.Manmeet Kaur Executive-Visas SIEC Education Pvt.Ltd. B-2/9 Ist Floor, Opposite Happy Model School,Janakpuri,New Delhi-110058
6	Devendra Kumar Singh	2159	B.Sc.(Hons.) Agriculture	District School Inspector District-Sultanpur (U.P)
7	Shreyash Mukherjee	4054	B.Sc.(Hons.) Agriculture	Manager (Admn.) Food Corporation Of India Divisional Office, Sangrur Near Banasar Bagh, Sangrur,Punjab-148001
8	Yashi Singh	3582	B.Sc.(Hons.) Agriculture	Project Director (ATAMA) Krishi Bhawan, Police Line Diggi, Hajipur, Vashali Bihar-84
9	Kanishk Pratap Singh	3814	B.Sc.(Hons.) Agriculture	Mr. Shashi Kant Sharma Auth Bridge Research Service Pvt. Ltd. Plot No.123,Iind Floor, Udyog Vihar Phase-IV, Gurgaon-122015
10	Rishee Dhar Divedi	3236	B.Sc (Hons.) Agriculture	Mr. Keshav Kumar Singh Instaveritas India Pvt. Ltd. Corporate Office: 4th Floor, Tower B Tapasya Corp Heights, Plot No.5 EFGH, Sector-126 Noida-201303
11	Deepak Singh	1362	B.Sc (Hons.) Agriculture	Principal, Brahmanand Pg, Collage Rath (Haripur)
12	Yogendra Singh	1168	B.Sc (Hons.) Agriculture	Ms. Anjali Gupta AMS Inform Pvt. Ltd. Assotech Businss Ceture Plot No.22 Noida
13	Abhay Pratap Singh	840	B.Sc (Hons.) Agriculture	Jila Basic Sikshi Adhikari Banda (U.P)
14	Adhiraj Gill	3627	B.Sc (Hons.) Agriculture	Mr. Sumit Mathur AGM (HR) Daurala Sugar Works Daurala-250221
15	Raj Kumar	3592	B.Sc (Hons.) Agriculture	Manager (Administration)For Divisional Manager Food Corporation Of India Divisional Office, Gurdaspur (Punjab)-143521
16	Mo Asif	3725	B.Sc (Hons.) Agriculture	For Manager Divisional Manager Food Corporation Of India Divisional Office Moga,FCI Road,Moga (Punjab)-142001
17	Ananya Singh	3767	B.Sc (Hons.) Agriculture	Manager (Admin) For Divisional Manger Food Corporation Of India Divisional Office, Gill Road Ludhiana (Punjab) 141003

18	Swati	4336	B.Sc.(Hons.) Agriculture	Director General (Horticulture) Directorate Of Horticulture (Haryana) Udhyan Bhawan , Sector-21, Panchkula-134117 (Haryana)
19	Abhishek Verma	3616	B.Sc.(Hons.) Agriculture	Chief Manager (HRM) (Zonal Office Meerut) Indian Bank 55, The Mall Road, Meerut Cantt.-250001(U.P)
20	Madan Mohan Bajpeyi	3544	B.Sc.(Hons.) Agriculture	Incharge Inspector/Police Station Head Daurala (Meerut)
21	Deepak Kumar Singh	1105	B.Sc.(Hons.) Agriculture	Mr. Sachin Aggarwal Director AMS Inform Pvt. Ltd. 44, Dayanand Vihar, Delhi-110092
22	Ishwar Singh	3527	B.Sc.(Hons.) Agriculture	Sophia Siddiqi Dy. General Manager (HR) Indian Farmers Fertilizers Cooperative Limited IFFCO Sadan, C-1, District Center Saket Place, New Delhi-110017
23	Sanu Shukla	4009	B.Sc.(Hons.) Agriculture	Sophia Siddiqi Dy. General Manager (HR) Indian Farmers Fertilizers Cooperative Limited IFFCO Sadan, C-1, District Center Saket Place, New Delhi-110018
24	Ajeet Kumar	3783	B.Sc.(Hons.) Agriculture	Mr. Sunil Kumar Manager (ADMIN) For Divisional Manager Food Corporation Of India Divisional Office, Rohtak 812 Amaltas Avenue, Bajrang Bhawan Rohtak, Haryana-124001
25	Akash Deshwal	236	B.Sc.(Hons.) Agriculture	Sh. Ajit Singh (ARS) Report Specialist Plot No.123, Udyog Vihar Phase IV, Gurgaon-122015
26	Sumit Kumar	1148	B.Sc.(Hons.) Agriculture	District Basic Education Officer District Farrukhabad (U.P)
27	Akash Mishra	3902	B.Tech (Biotechnology)	Instaveritas India Private Ltd. 5th Floor, Tower B, Tapasya Crop Height Plot No.5 EFGH, Sector-126 Noida-201303
28	Ojasva Raj	4116	B.Tech (Biotechnology)	Cathy Mc Eachern (Mrs) Admission Manager(International) Queen's UniversityBelfast Belfast, BT7 1NN Northern Ireland (United Kingdom)
29	Mayank Verma	156	B.Tech (Biotechnology)	Ram Kishor Shukla Secretary Bar Council Of Uttar Pradesh 19, Maharshi Dayanand Marg Prayagraj-211001

Internship

The Indorama India Pvt. Ltd., New Delhi has conducted written test, group discussion and interview on 23-10-2024 and selected 16 students of B.Sc Agriculture for Internship of 3 months from 05 November, 2024 to 05 February, 2025. The details are given below:

S.No.	Name of Student	ID No.	Period of Internship and Place
1	Vikas	5473	Khudaganj, Shahjahanpur
2	Satyam Raja Jaiswal	5479	Aonla, Bareilly
3	Rohit Kumar	5471	Chandausi, Sambhal
4	Rhythm Banciwal	5552	Dhanaura, Amroha
5	Ravi Prakash	5496	Sambhal
6	Hardik	5536	Farrukhabad
7	Niraj Kumar	6008	Bisalpur, Pilibhit

8	Ashutosh Vats	5973	Mawana, Meerut
9	Arjun Kumar	5524	Bisalpur, Pilibhit
10	Altaf Siddique	5485	Khudaganj, Shahjahanpur
11	Akhilesh Singh	6006	Dhanaura, Amroha
12	Abhishek Yadav	5975	Farrukhabad
13	Saurabh Kumar	5964	Sambhal
14	Shani Kasaudhan	5484	Chandausi, Sambhal
15	Subham Gupta	5959	Aonla, Bareilly
16	Vibhour	5972	Mawana, Meerut

Startup support

Start up support was given to Mr Arun Singh (ID 4998/20) student of B.Sc. Horticulture as he initiated a start up on Trichogramma cards and all types of Trichoderma Pheromone trap in the year 2023.

Trainings/ Workshops organized

Directorate of Training and Placement has organized more than 16 trainings/ workshops in collaboration with Karnataka Agrochemicals, Banas Dairy, Technico Agrisciences Ltd, Chandigarh, Dainik Jagran News Paper, Supple Tek Rice Pvt. Ltd. New Delhi, Future Chem Pvt. Ltd. New Delhi, Career Path Academy, Career Launcher academy, Chanakya Academy, Tiwari Agriculture Academy and many other reputed companies in Agriculture and allied fields. These trainings, workshops, motivational lectures and mock interviews were very much beneficial for the students who are preparing for hunting the jobs. The details of trainings and workshop is as under:

S.No.	Detail of Program	Date of Program	Collaborator	Participants	Type of Program
1	Workshop for career development cum career counselling	22 November 2023	Inauguration of Career Launcher coaching centre	203	Workshop
2	ABM and MBA Opportunity: Training Programme	02 December 2023	Dr. Vikrant Jawla, Director Career Launcher and Mr. Mani Kansal, DGM, HCL and Alumni IIM	74	Training
3	Student Motivation program	17 December 2023	Er. Sanjeev Tiwari, Director, Mr. Rishabh Pandey (Maths), Mr. Ayush Tiwari (Bio), from Tiwari Agriculture Academy Kanpur	59	Motivational Lecture
4	Success in Civil Services	03 January 2024	Mr. Susheel, Chanakya Academy	103	Motivational Lecture
5	Scope in Marketing and required skills	01 April 2024	Dr. Dinesh Sharma, D. Manager, Karnataka Agrochemicals	16	Training
6	Life Skills that count	22 April 2024	Mr. Alok Tyagi, Wing Commander	40	Motivational Lecture

7	Technology Transfer: Army and Agriculture diversification	29 April 2024	–	20	Interaction
8	Karlo Safalta Mutthi Main Part 1	30 April 2024	Kuldeep Yadav, Dainik Jagran	54	Motivational Lecture
9	Karlo Safalta Mutthi Main Part 2	03 May 2024	Mr. HeeraLal, Dainik Jagran	74	Motivational Lecture
10	Rice Cultivation, Pesticide residue management and organic farming in rice	09 May 2024	Mr. Sandeep Chaudhary, Mr. Ritesh Gaur, Mr. Madhusudan, from Supple Tek Rice Pvt. Ltd. New Delhi	22	Workshop
11	IPM in cereal crops	14 May 2024	Future Chem Pvt. Ltd., New Delhi	15	Lecture
12	workshop on entrepreneurship	16 May 2024	Career Path Academy	205	Workshop
13	Production technology for milk	18 May 2024	Banas dairy	28	Training
14	Alumni Interaction	21 May 2024	Mr. Vineet Kumar, Advisor Dr Shu, Animal Husbandry	9	Interaction
15	Role of Biotechnology in quality assurance of cell and gene therapy	05 June 2024	Prof. R.S. Sengar	79	Lecture
16	Technico Agrisciences Ltd, Chandigarh	06 June 2024	Dr. Girish Gautam and Mr. Dinesh Suman	18	Training

Special Events Organized

Directorate of Training and Placement has organized special events viz.

- One day program was organized on Millets by Akashwani, New Delhi on 22-07-2023.
- One day Academia Industry Meet was organized on 11-09-2023 in which more than 38 Industry partners actively participated.

PICTURE GALLERY

Placement Interview

Group Discussion

Interaction Organised

Trainings Organised



Academia Industry Meet






News Paper Coverage-2024

कृषि विश्वविद्यालय के 12 छात्रों का हुआ चयन

कृषि विवि में दो दिवसीय वर्कशॉप का आयोजन

कार्यशाला में बताया करियर प्लानिंग का महत्व

करियर ग्रोथ के लिए कौशल हो आधार: डॉक्टर मधु वत्स

कृषि विवि में कार्यशाला का आयोजन

आठ विद्यार्थियों का चयन

RESEARCH

Research and development in agriculture play a pivotal role in addressing critical societal challenges, including sustainable production, nutritional security, climate change adaptation and mitigation, and energy conservation. Over time, agricultural research has evolved significantly, expanding in both scale and scope. It has become increasingly multidisciplinary, integrative, and inclusive, responding to the complex and interlinked challenges of modern agriculture.

Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, has been entrusted with the tripartite mandate of agricultural education, research, and extension. With a strong emphasis on enhancing research capabilities, the University aims to empower agricultural scientists to address production constraints and support farmers across Uttar Pradesh in achieving higher productivity and improved incomes—aligned with national goals such as doubling farmers' income.

The University has made notable progress across various faculties, demonstrating a robust commitment to applied and translational research. With a strategic focus on the western region of Uttar Pradesh, the University leverages its strong institutional base to meet the evolving needs of the farming community. The overarching objective of its research endeavours is to generate sustainable, context-specific technologies that enhance agricultural productivity and profitability while aligning with the socio-economic and cultural realities of the region.

Research Mandate

The Universityis committed to advancing agricultural research with the following strategic objectives:

- To generate income and employment in the sector of agriculture and make Indian agriculture globally competitive.
- To achieve economic and environmental sustainability through integrated management of production, marketing and end-use of farm produce.
- To develop separate research strategies for large, medium, small and marginal farmers.
- Transformation of Agriculture from a production unit towards a business unit of the global market.
- Emphasis on natural resources management and bio-agricultural systems.
- Increase in production through an integrated farming system with minimum cost and eco-friendly technology.
- Use of Biotechnology in different crop management.
- Women's empowerment and farmers' participatory approaches.

Major Thrust Areas

- Developing precision irrigation systems requires a low volume of water.
- Developing technology for sustainable improvement of soil health and fertility with a bias on organic components.
- Emphasizing organic farming technology in prevailing crop production systems.
- IPNM and IPM technology for combating soil health and pest problems.
- Strengthening fruits, vegetables, floricultural, herbal and spices research activities.
- Promoting entrepreneurship vocations, trade like poultry, mushroom, sericulture, apiculture, fisheries, piggery, goatary and dairying for diversification-based agriculture.
- Post-harvest technology and value addition of the crop produce for export purposes.
- Promoting aromatic and medicinal plants and floriculture for developing entrepreneurship for export.
- Development of programmes for improvement of buffalo, cattle and sheep.

The University remains committed to advancing research that is need-driven, impact-oriented, and sustainable, thereby contributing significantly to agricultural innovation and rural development in the region.

Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, is committed to developing and disseminating modern, location-specific, cost-effective, and widely adoptable agricultural technologies tailored to the needs of the state's farming community. The Director of Research and Dean of Postgraduate Studies, under the strategic direction of the Vice Chancellor, oversees the coordination, monitoring, evaluation, and future planning of the University's research agenda. They consult closely with internal experts and scientists to design and implement projects at both main and satellite research centres, and collaborate with other State Agricultural Universities (SAUs) as needed.

Key Achievements & Regional Impact

SVPUAT successfully developed and validated location-specific recommendations and technologies across agriculture and allied sectors. Examples include:

- **Animal Nutrition:** Developed a protocol to utilize rumen-digesta waste as an affordable feed alternative, reducing environmental pollution.
- **Potato Fertility Management:** Validated polyhalite (POLY-4) as a sustainable potassium source with positive residual effects on soil fertility.
- **Pulse and Oilseed Nutrition:** Demonstrated enhanced productivity in mungbean and chickpea through combined application of P, S, Rhizobium, and PSB inoculants.
- **Pigeonpea Micronutrient Management:** Established effective soil application protocols using $ZnSO_4$, $FeSO_4$, and borax to improve micronutrient status and yield

Research Goals and Strategic Vision

SVPUAT Meerut aims to develop need-based, sustainable, and eco-friendly scientific and technical solutions-ranging from innovative agronomic practices and farm machinery to new value added product to significantly boost productivity, profitability, and socio-economic upliftment across Western Uttar Pradesh.

Externally Funded Projects

During the year 2023-24, the University managed 37 externally funded research projects, comprising 4 newly sanctioned and 33 ongoing initiatives. These projects, overseen by dedicated scientists and faculty, leveraged interdisciplinary approaches to address regional agricultural challenges. In addition, the University maintained contingency response research, including station trials and region-specific studies, to swiftly address emerging agronomic issues.

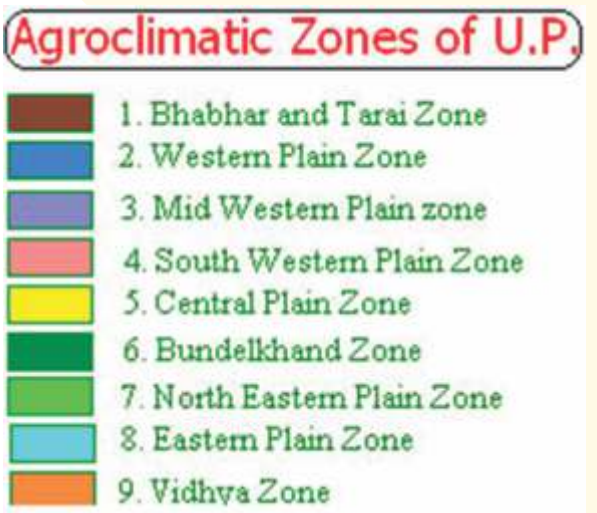
Directorate of Research

Uttar Pradesh, one of India's most populous and geographically extensive states, is characterized by diverse agricultural conditions across its nine agro-climatic zones. Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, operates within the jurisdiction of three of these zones:

- Bhabhar and Tarai Zone
- Western Plain Zone
- Mid-Western Plain Zone

These zones encompass a significant part of the state's agricultural landscape and fall within four key revenue divisions, Meerut; Saharanpur; Moradabad and Bareilly-covering a total of 18 districts. These include:

Meerut, Ghaziabad, Baghpat, Gautam Buddha Nagar, Bulandshahr, Saharanpur, Muzaffarnagar, Moradabad, Bijnor, Rampur, Amroha (J.P. Nagar), Bareilly, Badaun, Pilibhit, Shamli, Hapur, Sambhal, and Shahjahanpur.



UniversityH.Q.

KVKs	20
KGKs	01
Research Centre	03
Total districts	**18**

The Directorate of Research plays a pivotal role in addressing the diverse agricultural challenges of this region by coordinating, guiding, and implementing research programs that are locally relevant and scientifically robust, aimed at enhancing agricultural productivity, sustainability, and rural livelihood.

Research Units at University Headquarters

To support region-specific research and innovation in agriculture and allied sectors, the Universityhas established a range of specialized research units at its headquarters. These units play a crucial role in advancing scientific knowledge, developing sustainable technologies, and providing hands-on training to students and farmers alike.

The major research and demonstration units include:

1.	Crop Research Center	8.	Seed Processing Plant
2.	Horticulture Research Center	9.	Vermi Compost Unit
3.	Livestock Research Center	10.	Technology Park
4.	Fisheries Research and Demonstration Unit	11	Mushroom Production Center
5.	Poultry Research and Demonstration Centre	12.	Bio-agents Production Center
6.	Instructional Livestock Farm Complex	13.	Golden J ubilee Forage Garden
7.	Seed Production Center Chirori	14.	Organic Research Block

These units are integral to the University's mission of fostering research, innovation, and practical training in agriculture and its allied fields.

The Directorate of Research is managed by a team of dedicated professionals who contribute to the planning, coordination, and implementation of research activities across the University. The staff associated with the Directorate are as follows:

Staff Associated with the Directorate of Research

S. No.	Name	Designation
1.	Dr. Kamal Khilari	Director, Research
2.	Dr. Gopal Singh	Joint Director
3.	Dr. Mukesh Kumar	Joint Director (Plant Breeding)
4.	Dr. Ashok Kumar	Joint Director (Soil Science)
5.	Sh. Girraj Singh Bharti	Senior Assistant
6.	Sh. Rupender Singh	Junior Assistant

Research Highlights

Ongoing Research Projects

During the financial year 2023–24, Sardar Vallabhbhai Patel University of Agriculture and Technology undertook a total of 37 externally funded research projects, addressing a wide range of disciplines including Crop Science, Animal Husbandry, Biotechnology, Natural Resource Management, Food Processing, and Agricultural Mechanization.

Summary of the ongoing projects:

S.N	Name of the Project	Name of P.I.	Total Rs. In Lakhs	Funding Agency
1	Centrally Sponsored Scheme on spices under NHM	Dr. Manoj Kumar	3.70	Spice Board
2	Mega Seed Project	Dr. R.B.Yadav	36.75	ICAR
3	Agromet advisory services project (GKMS)	Dr. U.P. Shahi	12.60	Min of earth sc.
4	AICRP on rice improvement project.	Dr. Rajendra Singh	24.24	AICRP
5	Forecasting agricultural output using space, Agrometerology and land-based observation (FASAL).	Dr. Yogesh Kumar	4.50	Min of earth sc.
6	AICRP on Mushroom	Dr. Gopal Singh	2.20	AICRP
7	AICRP on nematode in cropping system	Dr. Kamal Khilari	27.36	AICRP
8	Promotional of Agricultural Mechanization for In-situ Management of Crops Residue in the State of Uttar Pradesh.	Director Extension	340.00	ICAR
9	Establishment of Centre of excellence on Basmati rice.	Dr. Kamal Khilari	515.25	S. Govt.
10	Establishment of Agro-processing Centre	Dr. Suresh Chandra	205.20	RKVY
11	Establishment of Critical care unit for farm and companion animals at veterinary clinical complex	Dr. Tarun Sarkar	351.68	RKVY

12	Establishment of Referral analytical laboratory for microbian toxins and environmental pollutants/toxicants	Dr Amit Kumar,	393.00	RKVY
13	Strengthening of Krishi Vigyan Kendra's Running Under Area Jurisdiction of the University	Dr. K.G. Yadav/DE	1358.09	RKVY
14	Characterization of Chickpea germplasm resource to accelerate genomic assisted crop improvement	Dr. Kamal Khilari	102.80	DBT
15	Mobile Veterinary clinical service for dairy animal in western U.P.	Dr. Amit Verma	23.50	IFFCO
16	Strengthening and Modernization of Food Processing Unit	Dr. Neelesh Chauhan	161.00	RKVY
17	Functionalization of Hatchery Unit and Entrepreneurship Development at Poultry Research and Training Centre	Dr. D.K. Singh	20.88	RKVY
18	Effect of drought stress on grouth and carotenoind biosynthesis gene and its accumulation in tomato J)	Dr. Naresh Pratap Singh	50.65	SERB
19	Utilization of paddy straw as compete fodder block by treating with Gomutra (Indigenous cow urine)	Dr. Ahamed Fahim	70.68	DST
20	National Animal Disease Control Programme Center on FMD	Dr. Amit Kumar	15.00	ICAR
21	Development of Follicle Stimulatng Hormone eluting nanosuspension to augment multiple ovulation and embryo transfer for ex-situ conservation of elite indigenous cattle.	Dr. Manish Kumar Shukla	21.89	UPCAR
22	Source, Rate and Time study of POLY4 in Sugarcane in North India (U.P.)	Dr. U.P. Shahi	12.00	Sirius Minerals India
23	IFFCO-TOKIO	Dr. Amit Verma	3.00	IFFCO TOKIO
24	AICRP on Wheat & Barley (Voluntary Centre)	Dr. L.K. Gangwar	0.6	ICAR-IIWBR, Karnal
25	AICRP on Forage Crops (Voluntary Centre)	Dr. L.K. Gangwar	0.5	ICAR-IGFRI, Jhnasi
26	AICRP Mustard (Volentry Centre)	Dr. Mukesh Kumar	0.3	ICAR-DRMR
27	Development of cost-effective fish feed using unconventional feed ingredients to increase the growth efficiency of fishes like Carps and *Clarias batrachus*using feed additives.	Dr. Archana Arya	24.73	UPCAR
28	Efficacy of zinc nano-fungicides against different seed-borne mycotic diseases of wheat *(Triticum aestivum)*	Dr. Neelesh Kapoor, CoB	24.96	UPCAR
29	Eco friendly integrated pest management (IPM) of Gladiolus	Dr. D.V. Singh	11.94	UPCST
30	Determination of Pesticide Residues in Major Vegetable Crops of Western Uttar Pradesh using Liquid/Gas Chromatography-Mass Spectrometry & their health Risk Assessment.	Dr. Rekha Dixit	11.94	UPCST
31	To Evaluate the bio-efficacy and phytotoxicity of UPFI-116 against insect pests of Sugarcane crop	Dr. Gopal Singh	12.03	UPL Limited, Mumbai
32	Bio efficacy & Phyto On Wheat & Succeeding crop for two seasons	Dr. Vivek Yadav	12.36	Sumitomo Chemicals India Ltd.
33	Evaluation of new insecticides (Ampligo 150 ZC and Inciplo 200SC) on sugarcane	Dr. Gaje Singh	11.98	Syngenta

34	Improvement, validation and dissemination of production technology of Kirajadi Mushroom (Cordyceps militaris)	Dr. Gopal Singh	15.36	UPCST
35	Improvement of vase life of economically important cut flowers using eco-friendly chemicals and functional genomics approaches for the benefit of farmers and stakeholders of western Uttar Pradesh	Dr. Mukesh Kumar	13.86	UPCST
36	Enhancement of Production and Value-Added Product in Sorghum (Sorghum bicolor L.) Moench)	Dr. Pooran Chand	55.6	UPCAR
37	Desi Cow Based Natural Farming at Krishi Vigyan Kendras of University	Dr. S.K. Lodhi	14.00	RKVY

Research Projects Completed

During the financial year 2023–24, the Universitycompleted seven (07) externally funded research projects. These projects contributed significantly to institutional development, agricultural research, and technological innovation in the region. The details of the completed projects are as follows:

S.N	Name of the Project	Name of P.I.	Total Rs. In Lakhs	Funding Agency
1	Institutional capacity building leading to accreditation of college of biotechnology, SVPUA&T, Meerut (NAHEP)	Dr. Anil Sirohi/ Dr Ravinder kumar	100.00	ICAR
2	Institutional capacity building leading to accreditation of college of veterinary and animal science, SVPUA&T, Meerut	Dr. Anil Sirohi/ Dr. V.P. Singh,	99.23	ICAR
3	Evaluation of wheat varieties of Shriram Fertilizers and chemicals New Delhi	Dr. L.K. Gangwar	5.50	Shri Ram Fertilizer
4	Field efficacy of Sulfosulfuron 75%WG on the resistance of Phalaris minor	Dr. Vivek Yadav	9.24	Sumitomo Chemicals India Ltd.
5	Bio-efficacy and phytotoxicity of GPI-1820 (Granular insecticide) against insect pests of Sugarcane crop	Dr. Rajendra Singh	14.00	UPL Limited, Mumbai
6	Bio-efficacy of UPST 119, as sett treatment against pest in Sugarcane White grub (Holotriaserratta), Early shoot borer (Chilo infuseatellus) Termites (Odontotermes. spp) &sutworm, 2021& 22	Dr. Rajendra Singh	12.94	UPL Limited, Mumbai
7	Creation of seed infrastructure facilities at farm	Dr. Gaje Singh,	52.5	Govt. Of India MAFW

To strengthen academic, research, and extension activities, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, has established collaborative partnerships with leading national and international institutions. These linkages are focused on areas of mutual interest, aiming to enhance agricultural education, research capabilities, technology exchange, and training in the state of Uttar Pradesh.

During the year 2023–24, the University signed 15 Memorandum of Understanding (MoUs) with various institutions and organizations. The details are as follows :

S. No.	MoUs	Date of Sign.
1	International Rice Research Institute (IRRI), Philippines	21.04.2023
2	Chandra Shekhar Azad Universityof Agriculture & technology, Kanpur (CSAUA&T, Kanpur).	02.08.2023
3	Agrinnovate India Ltd. (AgIn), New Delhi`	11.08.2023
4	Indian Institute of Wheat and Barley Research, Karnal (IIWBR)	08-09-2023
5	National Dairy Research Institute, (NDRI) Karnal, Hariyana.	13-08-2023
6	ICAR-Indian Institute of Vegetable Research, Varanasi.	05.10.2023
7	Galgotias University, Greater Noida.	23-11-2023
8	Chaudhary Charan Singh University, Meerut.	14-12-2023
9	National Institute of Plant Genome Research (NIPGR), New Delhi.	09-01-2024
10	PURDUE University, West Lafayette, Indiana, USA, (LOI)	21-02-2024
11	Deputy Director of Agriculture, Meerut (UPMRP)	15-03-2024
12	Mahatma Gandhi Udyanikee and VanikeeViswavidyalaya, Sankra, Drug, Chhattisgarh.	30-03-2024
13	U.P. Council of Sugarcane Research, Shahjahanpur. (UPCSR)	30-03-2024
14	Central Institute for Research on Goats (CIRG), Makhdum, Lahrauli Khadar, U.P.	23-02-2024
15	Central Avian Research Institute, Izatnagar, Bareilly, UP	23-02-2024

MoUs Signing Ceremony

Hon'ble Vice-Chancellor Dr. K.K. Singh and
Dr. Subhra Chakraborty, Director, NIPGR, exchanging MoU

Hon'ble Vice-Chancellor Dr. K.K. Singh and
Dr. Manish Kumar Chatli, Director, ICAR-CIRG, exchanging MoU

Hon'ble Vice-Chancellor Dr. K.K. Singh and
Hon'ble Vice-Chancellor Prof. Sangeeta Shukla,
CCS, UniversityMeerut, exchanging MoU

Hon'ble Vice-Chancellor Dr. K.K. Singh and Dr. A.K. Singh,
Director, ICAR-IARI, New Delhi, exchanging MoU

Livestock Research Centre

Completed Student Research at Livestock Research Centre (LRC)

The following postgraduate and doctoral research studies were successfully completed during the academic year 2023–24 at the Livestock Research Centre (LRC). These research efforts contribute to advancements in animal physiology, production, and health, aligning with the University's objectives in veterinary and animal sciences.

Name of Student	Degree Programme	ID No.	Topic of Research	Year of Passing
Tarun Kumar	M.V.Sc.	PG/V-6572/22	Studies on blood gas and hematobiochemical parameters in cattle	2023–24
Avinash Singh	M.V.Sc.	PG/V-6570/22	Studies on blood gas and hematobiochemical parameters in buffalo	2023–24
Anuj Kumar	Ph.D.	PG/V-3123/21	Effect of enzyme supplementation on productive and reproductive performance of lactating Murrah buffaloes in different seasons	2023–24

Livestock Research Centre (LRC) – Annual Summary

1. Income and Expenditure

During the year 2023–24, the Livestock Research Centre (LRC) generated income and incurred expenditure as follows:

Source of Income	Amount (₹)
Milk Sale	35,78,517.00/-
Animal Auction	8,24,000.00/-
FYM (Farmyard Manure) Sale	16,800.00/-
Total Income	44,19,317.00/-

Head of Expenditure	Amount (₹)
Labour Salary	-
Feed Cost	-
Fertilizer & Seed	-
Repair & Maintenance	-
Others	-
Total Expenditure	**67,46,889/-**

2. Animal Holdings Sahiwal Cattle Inventory

Category	Number
Adult Cows	22
Heifers	02
Female Calves	17
Adult Males	16
Male Calves	15
Total	**72**

Murrah Buffalo Inventory

Category	Number
Adult Cows	34
Heifers	03
Female Calves	29
Adult Males	02
Male Calves	14
Total	**82**

Infrastructure & Facility Development

- LRC is equipped with one open shed and three closed sheds for housing livestock.
- The centre includes a wheat straw storage facility and a chaff cutter for fodder preparation.
- A Semen Quality Control Laboratory was established under an RKVY-funded project by Dr. Ashutosh Tripathi, Assistant Professor.
- LRC also manages a fodder production unit operational at both the main campus and Chirori farm, supporting year-round green fodder availability.

Seed Processing Plant

Seed Production and Sale –Kharif 2023

During Kharif 2023, the University produced and marketed quality foundation and truthfully labelled seeds of various paddy and pulse varieties. The following table provides detailed data on seed production, processing, and sale:

S. No.	Crop	Variety	Seed Class	Raw Seed Intake (q)	Processed Seed (q)	Seed Sold (q)	Sale Amount (₹)
1	Paddy	PB 1509	FS	68.42	46.20	42.10	3,15,750.00
		PB 1121	FS	48.05	30.07	30.07	2,25,525.00
		PS 5	FS	12.50	9.77	9.77	68,390.00
		PB 1718	FS	94.65	53.55	51.15	3,83,625.00
		PB 1692	TL	160.39	109.55	0.00	0.00
2	Urd	PU-09	FS	5.40	4.14	3.68	47,840.00
Total		**389.41**			**253.28**	**136.77**	**10,41,130.00**

This seed production program has significantly contributed to the availability of high-quality planting material for farmers in the region, supporting the University's outreach and extension mandate.

Seed Production and Sale – Rabi (2023–24)

The Seed Production Centre of the Universityensured the production and sale of certified, foundation, and breeder class seeds of major Rabi crops. The following table summarizes the raw seed intake, processed quantity, and total sale performance for the season:

S. No.	Crop	Variety	Seed Class	Raw Seed Intake (q)	Processed Seed (q)	Seed Sold (q)	Amount (₹)
1	Wheat	DBW 71	CS	283.58	222.80	22.90	91,600.00
		DBW 187	CS	112.73	95.20	93.95	3,75,800.00
		DBW 222	CS	212.19	166.65	166.65	6,66,600.00
		DBW 226	FS	318.19	222.80	205.52	10,27,600.00
		DBW 3226	FS	187.08	145.77	120.55	6,02,750.00
		K 1317	FS	202.28	172.00	154.73	7,73,650.00
		DBW 173	CS	240.35	185.20	81.28	3,25,120.00
		DBW 173	BS	73.56	60.40	56.80	4,00,440.00
		WB 02	BS	31.58	25.20	19.20	1,35,360.00
		DBW 303	TL	16.34	12.52	9.10	36,400.00
		DBW 327	TL	20.18	16.40	13.43	53,720.00
		DBW 332	TL	11.09	8.72	1.20	4,800.00

2	Mustard	PM 30	FS	28.98	23.55	17.72	2,48,080.00
		PDZM 33	FS	18.26	14.60	0.00	0.00
		NRCYS 0502	FS	21.53	16.55	10.09	1,51,350.00
3	Barseem	BL 42	FS	0.58	0.40	0.00	0.00
Total		**1778.50**			**1388.76**	**973.12**	**48,93,270.00**

CS: Certified Seed **FS:** Foundation Seed **BS:** Breeder Seed **TL:** Truthful Labelled Seed

These figures reflect the University's continued emphasis on quality seed production and its role in supporting the agricultural supply chain in the region.

Capacity Building Initiatives

- Under the Uttar Pradesh millets revival programme, a three-day (05-07 October, 2023) training and field visit on various aspects of millets production was organized for a team of 50 members of the Farmer's Producer Organization of Sambhal district.
- Horticulture and food processing department, Baghpat, organized a two-day visit (05-06 December, 2023) for 30 members of the farmer-producer organization at the seed processing plant.

Training of farmers of Uttarakhand state related to seed production

Members of the Farmer-Producer Organization visited the Seed Processing Plant, Fish Demonstration and Research Unit

Financial Achievement

The Directorate successfully undertook resource generation activities during the year. The following table outlines the financial performance in terms of targets and actual achievements:

Activity	Target (₹)	Achievement (₹)
Resource Generation through Fish Sale	1,30,000	1,29,000

Note: The Fish Demonstration and Research Unit achieved 99.2% of its financial target for the year through fish sales.

Experiential Learning Programme (ELP)

As part of the curriculum for B.Sc. (Hons.) Agriculture Final Year students, the Experiential Learning Programme (ELP) was successfully conducted during the II Semester of the academic session 2023–24, in accordance with the ICAR guidelines.

Experiential Learning Modules presentation was held by ELP students at the Auditorium of the College of Agriculture

Programme Structure:

- The ELP modules offered were assigned a total of 0+20 credit hours.
- Each student was enrolled in two distinct modules, each carrying 0+10 credit hours.
- The objective of the ELP programme was to impart hands-on training and entrepreneurial skills in diverse agricultural domains.

Final Presentation:

- The final presentation of ELP Modules was conducted starting from 6th May 2024, at the Auditorium of the College of Agriculture, SVPUA&T, Meerut.

Modules Offered:

Module I

1. Food Processing Technology (ELP–429)
2. Organic Manure Production Technology (ELP–431)
3. Poultry Production Technology (ELP–426)

Module II

1. Production Technology for Bio-agents and Bio-fertilizers (ELP–421)
2. Commercial Horticulture (ELP–427)
3. Mushroom Cultivation Technology (ELP–423)
4. Fish & Aquaculture (ELP-433)

The ELP programme enabled students to gain experiential knowledge and practical skills necessary for entrepreneurship, employment, and industry readiness in various agri-business sectors.

Student Visit

CCS University students, along with the faculty, visited FDRU for Practical exposure to Aquaculture

To promote academic collaboration and hands-on learning, the Universitywelcomed a group of visiting students during the academic year 2023–24:

- On 9th April 2024, a group of 25 students from B.Sc. and M.Sc. programs of Swami Vivekanand Subharti University, Meerut, visited the Fish Demonstration and Research Unit at Sardar Vallabhbhai Patel Universityof Agriculture & Technology (SVPUA&T), Meerut.
- The educational tour was coordinated by the Department of Home Science, Faculty of Arts & Social Sciences, Swami Vivekanand Subharti University, and aimed at providing students with practical exposure to modern aquaculture practices and research activities conducted at the University.

This visit fostered academic engagement and encouraged experiential learning in the field of fisheries and allied sciences.

CCS University students, along with faculty, visited FDRU for Practical exposure to Aquaculture

Poultry Research & Training Centre (PRTC)

Bird Rearing Summary

The Poultry Research & Training Centre (PRTC) has continued its efforts toward promoting excellence in poultry production and training. During the year, a total of 5,186 birds comprising various breeds were successfully reared, contributing significantly to research, teaching, and farmer training programs. The details of bird rearing are as follows:

S. No.	Breed Name	Number of Birds Rearing
1	Rhode Island Red	300
2	Kadaknath	300
3	Aseel Peela	300
4	CARI-Red	3,400
5	Turkey	4
6	Guineafowl	7
7	Japanese Quail	25
8	Kuroiler	500
9	White Leghorn	350
Total		**5,186**

Revenue Generation at PRTC

The Poultry Research & Training Centre (PRTC) generated substantial income through the sale of various poultry products during the year, including eggs, live birds, chicks, and poultry manure. The income realized from these sales is detailed below:

S. No.	Quantity (No./Kg)	Unit Price (₹)	Revenue Generated (₹)
1	18,588 eggs	₹8 per egg	1,48,704.00
2	5,855 eggs	₹6 per egg	35,130.00
3	7,678 eggs	₹10 per egg	76,780.00
4	730.1 kg	₹80 per kg	58,408.00
5	1,426.6 kg	₹140 per kg	1,99,724.00
6	398.5 kg	₹220 per kg	87,670.00
7	97 kg	₹180 per kg	17,478.00
	Total Revenue		**₹ 6,23,894.00**

Crop Research Center

The Crop Research Centre (CRC) of the Universityoperates across two locations: the main campus and the Chirodi block, covering a total area of 15.49 hectares. Of this, 5.5 hectares are located within the main campus, while 9.9 hectares are at the Chirodi block, which has been systematically divided into 11 research plots to facilitate various crop-based experiments and trials.

Staff Associated with CRC

The following personnel are currently associated with the Crop Research Centre, contributing to research operations and field management :

S. No.	Name	Designation
1	Dr. Ashok Kumar	Joint Director (Soil Science)
2	Sh. Vipin Kumar	Technician
3	Sh. Ashok	Halwaha
4	Sh. Sudhir	Agricultural Labour

The CRC continues to serve as a vital platform for conducting field-level research, supporting student learning, and developing location-specific crop management technologies.

Experimental Trials at Crop Research Centre (CRC) – Rabi

During the Rabi season of 2023–24, the Crop Research Centre (CRC) actively facilitated both the student and coordinated the research trials aimed at crop improvement and varietal evaluation. A total of 31 student trials were conducted, alongside coordinated varietal trials involving 31 entries across various crops. These experiments were carried out in collaboration with national research institutes and under the supervision of the Department of Genetics & Plant Breeding.

Coordinated Trials Conducted

S. No.	Crop	No. of Entries	Department	Funding/Collaborating Institute
1	Mustard	09	Genetics & Plant Breeding	DRMR, Bharatpur
2	Wheat	08	Genetics & Plant Breeding	ICAR–IIWBR, Karnal
3	Barley	08	Genetics & Plant Breeding	ICAR–IIWBR, Karnal
4	Berseem	02	Genetics & Plant Breeding	IGFRI, Jhansi
5	Oats	01	Genetics & Plant Breeding	IGFRI, Jhansi
6	Desmanthus	01	Genetics & Plant Breeding	IGFRI, Jhansi
7	Raygrass	01	Genetics & Plant Breeding	IGFRI, Jhansi
8	Lathyrus	02	Genetics & Plant Breeding	IGFRI, Jhansi
9	Lucerne	05	Genetics & Plant Breeding	IGFRI, Jhansi
	Total	**31 Entries**		

Experimental Trials at Crop Research Centre (CRC) – Kharif

In the Kharif 2023 season, the Crop Research Centre (CRC) facilitated a wide range of experimental activities, supporting both academic and coordinated research trials. A total of 54 student trials were conducted across various plots, offering experiential learning opportunities and exposure to applied crop research methodologies. In addition, coordinated varietal trials comprising 95 entries were carried out under the guidance of the Department of Genetics & Plant Breeding, in collaboration with reputed national research institutions.

Number of Entries tested in Trials

S. No.	Crop	No. of Entries	Department	Funding/Collaborating Institute
1	Rice	56	Genetics & Plant Breeding	ICAR–DRR, Hyderabad
2	Sorghum	07	Genetics & Plant Breeding	IGFRI, Jhansi
3	Cowpea	07	Genetics & Plant Breeding	IGFRI, Jhansi
4	Maize	05	Genetics & Plant Breeding	IGFRI, Jhansi
5	Pearl Millet	14	Genetics & Plant Breeding	IGFRI, Jhansi
6	Rice Bean	04	Genetics & Plant Breeding	IGFRI, Jhansi
7	Guar	01	Genetics & Plant Breeding	IGFRI, Jhansi
8	Desmanthus	01	Genetics & Plant Breeding	IGFRI, Jhansi
	Total	**95 Entries**		

Externally Funded Research Projects

During the reporting year, a total of six externally funded research projects were undertaken by various departments of the University. These projects focus primarily on sugarcane crop improvement, pest management, and evaluation of new agro-chemicals. The details are as follows:

S. No.	Title of the Project	Principal Investigator (P.I.)	Funding Agency
1	Poly-4 Sugarcane	Dr. U.P. Sahi, Soil Science	Sirius Minerals India Pvt. Ltd.
2	Sugarcane testing project of new insecticide Ampligo 150ZC	Dr. Gaje Singh	Syngenta
3	Sugarcane testing project of new insecticide Isocycloseram 200SC	Dr. Gaje Singh	Syngenta
4	Bio-efficacy evaluation of UPFT-116 on Sugarcane	Dr. Gopal Singh, Plant Pathology	UPL Limited, Mumbai
5	Evaluation of UPST-119 on Sugarcane	Dr. Rajendra Singh, Entomology	UPL Limited, Mumbai
6	Assessment of GPI-1820 against insect pests in Sugarcane	Dr. Rajendra Singh, Entomology	UPL Limited, Mumbai

These research projects not only contribute to the generation of location-specific agro-scientific knowledge but also strengthen the University's collaborations with leading agrochemical and biotechnology firms.

Field visit of Sugarcane trial at CRC by University officers

Horticulture Research Centre

The Horticulture Research Centre (HRC) encompasses a total area of 14.55 hectares, distributed across two main locations: the old building campus and the Siwaya block. The land is strategically utilized for various horticultural research and development activities, including orchards, nurseries, herbal and spice cultivation, and national-level projects.

Utilization Category	Area (ha)
Orchard	2.03
Open Cultivated Area	0.53
Nursery Area	0.41

Siwaya Block – Total Area: 11.58 ha

Utilization Category	Area (ha)
Horticulture Research Centre (HRC)	4.98
Vegetable Research Centre (VRC) and Vegetable Seed Production	2.04
Herbal Garden	1.30
NHB (National Horticulture Board) Project	1.00
Spices Project	0.94
Salt Affected Area	0.83
Office & Other Structures	0.46

Overall Land Use Classification

- Total Area Under Orchard: 6.33 ha
- Total Open Cultivated Area: 3.92 ha
- Salt Affected Area: 0.83 ha
- Area for Office & Other Structures: 0.46 ha

The land resources of HRC are efficiently managed and fully utilized to support crop diversification, seed production, and national horticulture development projects.

Fruit Crop Diversity at University Campus

The University has developed a rich and diverse orchard comprising a wide array of fruit crops, showcasing successful cultivation of both traditional and exotic varieties. These plantings support research, teaching, germplasm conservation, and demonstration to students and farmers. The details of major fruit crops grown are as follows:

I. Mango 48 Varieties

The University orchard houses an impressive collection of **48 mango varieties**, including both commercial and exotic types:

Dusheri, Langra, Ramkela, Rataul, Amrapali, Chaunsa, Mallika, Mithwa Malda, Neelam, Gulab Jamun, Bombay Green, Surkhuru, Burma Surkha, Husn-aara, Rasgulla, Alphonso, Gaurjit, Saurabh, Totapari Mini, Surya, Swarnrekha, Ambika, Arunika, Kesar, Pusa Arunima, Dusheri-51, Manjari, Ketki Vihar, Himayat Pasand, Sensation, Romanii, Pusa Pratibha, Gir Kesar, Sonpari, Pusa Pitambhar, Pusa Shrestha, Pusa Lalima, Tommy Atkins, Katimon, Baei-13, Banana Mango, Arka Neelanchal, Arka Suprabhat, Zardalu, Totapari, Pusa Manohari, Pusa Deepshikha and Miyazaki

II. Citrus (Lemon) – 5 Varieties

Pant Lemon-1, Indore Seedless, Balaji, NRCC-8 and Kagzi Lime

III. Peach – 4 Varieties

Saharanpur Prabhat, Sharbati, Shan-e-Punjab and Early Grand

IV. Pomegranate – 1 Variety

Muskat White

V. Guava – 13 Varieties

Pant Prabhat, L-49, Red Fleshed, Punjab Pink, Shweta, Dhawal, Hisar Safed, Lalima, Arka Kiran, Pusa Aarushi, Pusa Pratiksha, Lalit and Red Diamond

VI. Kinnow – 1 Variety

PAU-1

VII. Litchi – 4 Varieties

Shahi, Bedana, Rose-Scented and Culcuttiya

VIII. Pear – 5 Varieties

Gola, Baggugosa, Punjab Gold, Punjab Nectar and Punjab Beauty

IX. Grapes – 4 Varieties

Parlette, Beauty Seedless, Himrod and Navrang

X. Apple – 3 Varieties

Anna, Dorset Golden and HRMN-99

XI. Jamun – 2 Varieties

CISH J-37 and CISH J-42

XII. Aonla – 2 Varieties

NA-5 and NA-7

Income and Expenditure

Utilization Category	Area (ha)
Horticulture Research Centre (HRC)	4.98
Vegetable Research Centre (VRC) and Vegetable Seed Production	2.04
Herbal Garden	1.30
NHB (National Horticulture Board) Project	1.00
Spices Project	0.94
Salt Affected Area	0.83
Office & Other Structures	0.46

Mushroom Research & Training Centre (MRTC)

1. Trainings Conducted

The Mushroom Research & Training Centre conducted a series of capacity-building programs during the year to promote mushroom cultivation among students, farmers, and rural youth. The summary is as follows:

Date	Venue	Participants	Male	Female	Remarks
23-12-2023	SVPUAT, Meerut	40	29	11	National Mushroom Day
19-02-2024	SVPUAT, Meerut	30	25	05	-

Date	Venue	Participants	Male	Female	Remarks
18–20 Oct 2023	MRTC	20	20	00	For rural youth, Meerut

Date	Venue	Participants	Male	Female	Remarks
22–26 Nov 2023	KVK Badaun-II	10	10	00	Rural youth
12–17 Dec 2023	KVK Shamli	13	11	02	Rural youth

Date	Venue	Participants	Male	Female	Remarks
20–26 May 2023	SVPUAT, Meerut	36	31	05	Value-added training for students
16–25 Sept 2023	SVPUAT, Meerut	16	12	04	Paid training for rural youth/students
06–12 Jan 2024	SVPUAT, Meerut	22	17	05	Paid training for rural youth/students
24 Feb – 01 Mar 2024	SVPUAT, Meerut	28	21	07	Paid training for rural youth/students

Date	Venue	Participants	Male	Female	Remarks
17–19 Mar 2024	SVPUAT, Meerut	50	45	05	-
20–22 Mar 2024	SVPUAT, Meerut	50	39	11	-

2. Consultancy Services

Technical consultancy was extended to mushroom growers across Western Uttar Pradesh. Details of the support provided to farmers are summarized below:

S. No.	Name & Address	Type of Mushroom	Production Capacity (tonnes)
1	Vikash Tyagi, Manyuk Farm, Garh (Hapur)	Button, Oyster	10.0
2	Garg, Muradnagar (Ghaziabad)	Button, Oyster	15.0
3	Nux Organic Mushroom, Saharanpur	Button, Oyster, Milky	10.0
4	Satyaveer Suryavanshi, Sounda (Bulandshahr)	Button, Oyster	15.0
5	Haider, Gangagadhi (Bulandshahr)	Button, Oyster	15.0
6	Arjun Singh, Khwajpur (Bulandshahr)	Button, Oyster	25.0
7	Smart Mushroom, Meerut	Button, Oyster	10.0
8	Sharad Soni, Jahangirabad (Bulandshahr)	Button, Oyster	15.0
9	Manoj Kohali, Khurja (Bulandshahr)	Button, Oyster	17.5
10	Vikram Singh Bhati, Sikandrabad (Bulandshahr)	Button, Oyster	6.5

3. Spawn Supply and Revenue Generation

The centre produced and supplied mushroom spawn to farmers and entrepreneurs, supporting entrepreneurship and technology transfer. Revenue generated is detailed below:

Item	Quantity	Rate (₹/unit)	Revenue (₹)
Oyster Spawn	210 kg	110	23,100
Milky Spawn	31 kg	110	3,410
Master Spawn	8 kg	300	2,400
Cultures Supplied	2 nos.	1000	2,000
Fresh Mushroom Sold	205 kg	80	16,400
Paid Trainings (3)	-	-	57,000
Total Revenue	-		₹1,04,310

Different activities organized at the Mushroom Research & Training Centre

VERMICOMPOST UNIT

Vermicomposting

Vermicomposting is an eco-friendly and scientifically proven method of producing organic manure using earthworms. These worms consume organic waste materials and convert them into nutrient-rich excreta known as vermicasts, which significantly improve soil fertility. Vermicasts are rich in essential plant nutrients such as nitrates, phosphorus, calcium, magnesium, and potassium, making vermi-compost a sustainable alternative to chemical fertilizers.

The University promotes the adoption of vermi-composting through training and demonstration, focusing on the following two methods:

- **Bed Method:** This is the most commonly used and farmer-friendly technique. Organic matter is layered in raised beds where earthworms decompose the material under aerobic conditions.
- **Pit Method:** In this method, organic waste is collected in cemented pits. However, due to issues such as inadequate aeration and waterlogging, this method is less preferred.

By encouraging vermicomposting, the University aims to promote sustainable agricultural practices and enhance soil health among farming communities.

Major Benefits of Vermicomposting

Vermicomposting offers several agronomic and ecological advantages that contribute to sustainable farming practices. The key benefits include:

1. **Enhances root development**
   Promotes healthy and deeper root systems, improving nutrient uptake efficiency.
2. **Improves soil structure**
   Enhances the physical texture of soil, making it more porous and aerated, which supports better plant growth.
3. **Increases soil fertility and water retention**
   Boosts soil fertility by enriching it with vital nutrients and improves its ability to retain moisture, making crops more resilient to drought.
4. **Stimulates germination and crop productivity**
   Encourages faster seed germination, accelerates plant growth, and significantly improves overall crop yield.
5. **Provides natural plant growth hormones**
   Supplies biologically active compounds like auxins and gibberellic acid, which stimulate plant development and increase biomass.

Vermicompost Production and Sale

During the financial year 2023–24, the University produced and sold vermicompost as part of its initiative to promote organic farming practices. The production and revenue details are as follows:

S. No.	Year	Production (kg)	Revenue Generated (₹)
1	2023-24	1,944	11,664.00

Different activities at Vermicompost Unit of the University

farmers and students at nominal rates, encouraging the adoption of sustainable and eco-friendly nutrient management practices. The vermin compost produced was utilized for on-campus demonstrations and also made available to farmers and students at nominal rates, encouraging the adoption of sustainable and eco-friendly nutrient management practices.

ZONAL RESEARCH STATION – NAGINA

Seed Production

The Zonal Research Station, Nagina, actively contributed to the University's quality seed production program during the reporting period. The details of seed production are as follows:

Year	Season	Crop / Variety	Area (ha)	Production (q)
2023–24	Kharif	Rice (PB-1847)	3.00	62.30
	Rabi	Wheat (HD 2967) – Breeder Seed	5.50	201.00

The breeder seed production of Wheat (HD 2967) was carried out following standard protocols to ensure genetic purity and uniformity. The seed of rice variety PB-1847 was produced during the Kharif season on 3.0 hectares with a total yield of 62.30 quintals.

Research Trials and Findings

A. Plant Breeding Trials (Kharif)

The station conducted a series of All India Coordinated Rice Improvement Project (AICRIP) varietal evaluation trials under different ecosystems. Promising genotypes were identified based on yield and agronomic performance.

Trial Type	Entries Tested	Promising Genotypes Identified
IVT-Basmati (BT)	30	IET 1824, IET 1827
AVT-2 Early Transplanted (ETP)	18	IET 3307, IET 3312
AVT-1 Early Transplanted (ETP)	20	IET 3418, IET 3439, IET 3434
IVT Early Transplanted (ETP)	63	IET 3503, IET 3513
AVT-2 Irrigated Mid Early (IME)	14	IET 3608, IET 3612, IET 3601
AVT-1 Irrigated Mid Early (IME)	21	IET 3720
IVT Irrigated Mid Early (IME)	62	IET 3859
AVT-2 Irrigated Medium (IM)	14	IET 3912, IET 3905, IET 3909
AVT-1 Irrigated Medium (IM)	17	IET 4005, IET 4016
IVT Irrigated Medium (IM)	63	IET 4124, IET 4111
AVT-2 Late	22	IET 4227, IET 4233
IVT Late	63	IET 4301
IVT Aromatic Short Grain (ASG)	39	IET 5532, IET 5537
UPCAR Hybrid Rice Trial	26 hybrids	UR 310, UR 110, UR 370, UR 205

B. Wheat Trials (Rabi)

Wheat varietal trials under irrigated and stress conditions identified several promising genotypes.

Trial Type	Entries Tested	Promising Genotypes Identified
IR-TS-TAS	18	NW-TS 104, NW-TS 103
RI-TS-TAS	10	NWRI 309, NWRI 304
IR-LS-TAS	12	NWLS 208, NWLS 207, NWLS 202

C. Agronomy Trials (Kharif)

1. Evaluation of Imazethapyr Herbicide-Tolerant NILs in Non-Basmati Rice (Dry DSR)

   Findings: Bispyribac-sodium recorded the highest yield (3.89 t/ha), followed by Imazethapyr (2.98 t/ha).

   Superior NILs: G5 (5.10 t/ha), G7 (5.10 t/ha), and G6 (4.80 t/ha) showed no phytotoxicity and high yield potential.

2. Package of Practices for Higher Yield in Dry DSR

   Findings: Mechanical Line Sowing gave the highest yield (5.04 t/ha).

   Weed Control: Pre-emergence herbicide (Pretilachlor @ 0.75 kg a.i./ha) + manual weeding (20 & 40 DAS) yielded 5.15 t/ha, at par with sequential herbicide treatments (4.92 t/ha).

3. Long-Term Weed Dynamics Under Various Establishment Methods

   Findings: Transplanting + chemical weed control gave the highest yield (4.65 t/ha).

   Weed Dominance: Grasses > Sedges > Broadleaf weeds; Leptochloa chinensis was notably difficult to control.

4. Use of Nano-Fertilizers in Transplanted Rice

   Findings: Recommended N dose through urea produced the highest yield (4.45 t/ha).

   Nano-urea treatments (75% RDN + 2 foliar sprays) were statistically at par (4.32 t/ha).

D. Additional AICRIP Trials (Kharif)

Trial Type	Entries Tested	Promising Genotypes
AVT-2 Early Transplanted (ETP)	17	IET 28965, IET 29142
AVT-2 Irrigated Mid Early (IME)	13	IET 30697, IET 30282, IET 29188, IET 29726, IET 29738
AVT-2 Male Sterile (MS)	4	IET 30083
AVT-2 Basmati (BT)	5	IET 1828, IET 1808
AVT-2 Irrigated Medium (IM)	13	IET 29002

E. Wheat Agronomy Trial (Rabi)

Effect of Nano Urea on Wheat Productivity (Irrigated Conditions)

- Best Treatment: 100% N + two foliar sprays of 5% urea at tillering and jointing stages.

  Results:

  Highest grain yield: 42.76 q/ha
- Other key observations: Higher plant height, tiller number, dry matter, ear length, and grain quality attributes.

Research Project Details

- Project Title:

  Evaluation of Bio-efficacy and Dose Standardization of Ingrain 2 (VBC-30507) in Wheat and Its Impact on the Succeeding Crop
- Duration:

  2 Years
- Year of Commencement:

  2022
- Funding Agency:

  Sumitomo Chemical India Ltd.
- Sanctioned Amount:

  ₹10.20 Lakhs

ZONAL RESEARCH STATION – BULANDSHAHR

The Zonal Research Station, Bulandshahr, holds historical significance as it was initially established in 1905 by the Department of Agriculture, Uttar Pradesh, as a seed multiplication farm. In 1944, it was upgraded to a Research Station dedicated to cotton research. Its stature further improved in 1951, when it was designated as the Main Cotton Research Station.

In May 1973, the station was transferred to G.B. Pant University of Agriculture & Technology, Pantnagar, with a mandate to undertake multidisciplinary research on the key field crops of the region. Following the bifurcation of Uttar Pradesh, the station was transferred to Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT), Meerut in October 2000.

Land Allocation (Total Area: 10.00 ha)

S. No.	Description	Area (ha)
1	Layout, buildings, and irrigation channels	1.856
2	Cultivable area	8.144
	Total	**10.000**

Research Highlights (2023–24)

1. Cotton Trials (Kharif) :

- Trial-1:Evaluation of Desi Cotton Germplasm
  - Area: 0.46 ha | Entries: 50 | Design: RBD | Replications: 3
  - Best yield: BD-3 (1631 kg/ha)
- Trial-2:Evaluation of American Cotton Germplasm
  - Area: 0.46 ha | Entries: 50 | Design: RBD | Replications: 3
  - Best yield: SH-131 (1387.16 kg/ha)

Seed & Commercial Production (Kharif 2023):

- Paddy (Pusa Basmati 1509 & 1692):
  Area: 2.50 ha | Production: 61.00 qt
  Transplanting: 10–16 July 2023 | Harvest: 18 Oct–2 Nov 2023
- Pigeonpea (Pusa-16):
  Area: 1.55 ha | Production: 8.20 qt
- Pearl Millet (Hybrid):
  Area: 3.64 ha | Production: 53.00 qt

Wheat Trials (Rabi) :

- AICRP Wheat Improvement Project:
  Area: 0.79 ha | Entries: 25–50 | Replications: 2–4
  Trials under NIVT, AVT (timely & late sown), and rainfed conditions
  Monitoring team visit conducted
- Heat Tolerance in Wheat:
  Title: Dissecting heat tolerance in wheat based on morpho-physiological and molecular traits
  Area: 0.79 ha | Genotypes: 50 + 5 checks | Design: Alpha Lattice | Replications: 2
  Conducted by Ph.D. scholar Mr. Soyal Kumar under Dr. L.K. Gangwar

Seed Production (Rabi) :

- Wheat (DBW-303, DBW-332):
  Area: 5.744 ha | Production: 292.19 qt (graded)
  Sown: 11–19 Nov 2023 | Harvested: 6–28 Apr 2024
- Berseem (BL-42, BL-44):
  Area: 1.60 ha | Production: 8.75 qt (graded)

Desi Cotton seed

Desi Cotton Plant

American Cottonseed

American Cotton plant

Paddy Seed Production

Monitoring Paddy Seed Production Plot

Wheat Layout

Visit of Monitoring Team

Berseem Seed

Berseem Seed Production

Research Activities at Zonal Research Station, Bulandshahr

ZONAL RESEARCH STATION – UJHANI

The Zonal Research Station, Ujhani, is situated in the Mid-Western Plain Zone of Uttar Pradesh, between 27°60' to 29°50' N latitude and 78° to 80°40' E longitude, with altitudes ranging from 150 to 300 meters. The Ganga River separates this zone from the western plain zone to the west. The station was established on a 34.85-acre agricultural farm transferred by the State Agriculture Department to G.B. Pant University of Agriculture & Technology, Pantnagar, in December 1986. Research activities began in October 1991 under NARP Phase II (1989–1993) following the appointment of scientific staff.

The agro-climatic conditions are typically dry and warm, with alluvial soils that are neutral to moderately alkaline and low to medium in organic matter. The region receives 650–1,600 mm of annual rainfall, with Budaun district recording the lowest. Around 90% of rainfall occurs from mid-June to mid-October, and is often erratic. Tube wells are the primary source of irrigation, with only 44% of the land in the Budaun district being irrigated.

Ongoing Experiments – Zonal Research Station, Ujhani

S. No.	Title	Season
1	Collection, selection, evaluation, and maintenance of groundnut germplasm and segregating populations	Kharif
2	Collection, evaluation, selection, and maintenance of mustard germplasm and segregating populations	Rabi

FACULTY ENGAGEMENTS IN SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS AND TRAININGS

The faculty members actively contributed to knowledge sharing and professional development by participating in various national and international conferences, seminars, symposia, workshops, and training programs during the year. These engagements not only enhanced their academic and research competencies but also facilitated collaboration and exchange of ideas with peers from across institutions.

The details of participation are presented in the following tables.

a) Conferences/Symposia Attended by the Faculty Members

The following table highlights the conferences attended by faculty members during the reporting year, showcasing their academic involvement and commitment to the professional development.

S. No	Name of Faculty Member	Title of the Publication	Title of the Conference	Organizing Institution	Venue
1	Dr. Amit Kumar, Prof., CoB	In situ examination and histopathology-based investigation of Lumpy skin disease outbreak in U.P., India	XXXV National Conference of IAVMI on the theme novel approaches in Animal Health for Realizing one health missions. 7-8 April, 2023	HPKVV & IAVMI	Palampur
2	Dr. Pankaj Chauhan Prof., CoB	Global trends in the use of nano fertilizer: An Intelligent technology for sustainable agriculture	Strategies and Challenges in Agricultural and Life Science for Food Security and Sustainable Environment. 28-30 April, 2023	HPU, Shimla	Shimla, H.P
3	Dr. Neelesh Kapoor, Asst. Prof. CoB	Global trends in the use of nano fertilizer: An Intelligent technology for sustainable agriculture	Strategies and Challenges in Agricultural and life science for Food Security and Sustainable Environment 28-30 April, 2023	HPU, Shimla	Shimla, H.P
4	Dr. Rakesh Kumar Singh, Prof. CoVAS	Effect of Silymarin and Selenium-yeast supplementation on growth performance and physiological responses of Barbari goat.	Technology driven physiological capacity building in livestock for food security and sustainability (SAPICON-2023) 3-5 May, 2023	SAPICON	Kashmir, Srinagar

5	Dr. Ramesh Singh, Prof. CoA	-	24th Australisian Plant pathology society conference 20-24 November, 2023	Adelaide, Augtralia	Australia
6	Dr. Rashmi, Prof., CoA	Management of Insect/pest of Poplar defoliator (Closteracupreata) through Biological means	2nd International Conference prospects and challenges of environment and biological science in food production system for livelihood security of farmers 18-20 September, 2023	PISRF, & ASA	Andaman & Nicobar Islands
7	Dr. Amit Kumar, Prof., CoB	A novel poly herbal formulation to prevent and cure of bovine brucellosis	Annual Convention of Society of Immunology & Immunopathology (SIIP) and International conference on One Helath initiative: Harmonizing human, Animal and Environmental health (OHI-2023) 1-3 November, 2023	Diagnostic Research, GLA, University,	Mathura, U.P.
8	Dr. Kamal Khilari, Prof., Plant Pathology, COA	Effect of cow urine based formulations against soil borne plant pathogens f chick pea.	Plant Pathology: Sustainable Approaches for food security & human health bananas hindu university, Banaras 8-9 December, 2023	BHU, Varanasi	Varanasi, U.P.
9	Dr. Kamal Khilari, Prof., Plant Pathology, COA	Efficacy of different bio-against root root nematode (Meloidogyne graminicola)	109th India Science Congress 3-6 January, 2024	ISCA & LPU	Phagwara, Punjab
10	Dr. Kamal Khilari, Prof., Plant Pathology, COA	Prevalence and incidence of Root knot (Meloidogyne enterolobii) of Guava in Western U.P	Plant Health for Food Security Threats & Promises. 1-3 February, 2024	IPS & ICAR-IISR,	Lucknow

11	Dr. Ramesh Singh, Prof., Plant Pathology, CoA	Evaluation of Plant extracts and bio ggents against Sclerotinia sclerotiorum inciting stem rot of brinjal	109th India Science Congress 3-6 January, 2024	ISCA & LPU	Phagwara, Punjab
12	Dr. Amit Kumar, Prof., Animal Biotech, CoB	A Novel way to reduce brucella shedding and it's reoccurrence in bovines to overcome human burcellosis	International workshop on molecular diagnostics in microbiology and disease 11-14 December, 2023	ICISE, Quy Nhon city, Binh Dinh province, Vietnam	ICISE, Vietnam
13	Dr. Amit Kumar, Prof., CoB	Development and validation of poly herbal therapy for the prevention and cure of Bovine Anaplasmosis	Vth Global Ayurveda Festival and International Seminar on the Theme "Emergine challenges in healthcare and resurgent of Ayurveda" 1-5 December, 2023	Thiruvananthapuram, Kerala	Kerala
14	Dr. Ajit Kumar, Asst. Prof., CoVAS	Effect of strategically augmented concentrate supplementation during and postnatal kids	Sustainable animal nutrition for global health and production: innovations and directions (ANSICON-2024) 23-25 January, 2024	Madras veterinary college	Chennai
15	Dr. Tarun Kumar Sarkar, Prof., CoVAS	-	40th Annual Convention of Indian Society for Veterinary Medicine 22-24 February, 2024	ISVM	Kerala
16	Dr. Surbhi K Tyagi, Asst. Prof., CoVAS	Incidence, diagnosis, and comprehensive management of ocular affections in dogs	1st clinical case conference of veterinary internal and preventive medicine	Archarya Narendra Ayodhya	Ayodhya
17	Dr. Shailja Katoch, Asst. Prof., CoVAS	Microbiological & antibiogram study of bacterial pathogens associated with bovine mastitis in Meerut. U.P.	Novel Approaches in Animal Health for Realizing one health mission 7-8 April 2023	HPK0056V & IAVMI	Palampur

18	Dr. Vivek Malik Prof.,CoVAS	Effect of glycopyrrolate-xylazine supplementation to zoletil induced total intramuscular anaesthesia (TIMA) in dogs	Recent Advances in Diagnostic, Therapeutic and Nutritional Management of Canine	ISACP	Chhattisgarh
19	Dr. Rakesh Kumar Singh, Prof.,CoVAS	Effect of Silymarin and Selenium-yeast supplementation on growth performance and physiological responses of Barbari goat.	Technology driven physiological capacity building in livestock for food security and sustainability (SAPICON-2023)	SAPICON	Kashmir, Srinagar
20	Dr. S.P. Yadav Prof., CoVAS	-	Technology driven physiological capacity building in livestock for food security and sustainability SAPICON-	SKUAST, Kashmir	Srinagar, Kashmir
21	Dr. H.L. Singh, Prof., CoA	Rice based cropping system: An approach for enhancing rural income for sustainable livelihood	Role of social science and humanities for sustainable future	Institute of Economic and Finance	BU, Jhansi
22	Dr. Neelesh Kapoor Asst. Prof. CoB	Nanocomposites: A boon for modern agriculture and environmental sustainability to mitigate abiotic stress in plants	Global approaches in agricultural, biological, environment and life sciences for sustainable future (GABELS-2024)"	ATDS society at Tribhuvan University, Kathmandu, Nepal	Online
23	Dr. Ajit Kumar Asst. Prof. CoVAS	Effect of strategically augmented concentrate supplementation during late gestation and early lactation on maternal reproductive performance and postnatal kids' growth.	ANSICON 20thBiennail International Conference on "Sustainable animal nutrition for global health and production: Inovations and Directions"	Madras Veterinary College,	Chennai

24	Dr Kuldeep Kumar Tyagi , Prof., CoVAS	Molecular basis of hereditary diseases and geneticpredisposition in Labrador Retrievers	1st clinical case conference of VeterinaryInternal and Preventive Medicine, organized	COVAS, ANDUAT, Kumarganj	Ayodhya
25	Dr. Surbhi K. Tyagi Assist. Prof., CoVAS	Management of ocular affections in dogs	1st clinical case conference of Veterinary Internal and preventive medicine	ANDUAT, Kumarganj,	Ayodhya
26	Dr. Ramesh Singh, Prof., CoA	Survey of Karnal bunt in Meerut division and their detection and identification for promotion of international trade of wheat.	XIV International Agriculture Symposium "AGROSYM" 2023	CIHEAM-IAMB	Bosnia
27	Dr. Amit Kumar, Prof.,CoB	Investigations of phytoconstituents and phytogenic nanoparticle to mitigate anti-microbial resistance	XIV International Agriculture Symposium "AGROSYM-2023"	Universityof East Sajajevo, Jahorina	Bosnia
28	Dr. Jaivir Singh, Prof., COT	-	Sustainable agriculture practices for food security and environmental conservation	SVPUA&T Meerut	Meerut
29	Dr. Amit Kumar Verma, Prof., CoVAS	Enhancing animal health and productivity in western Uttar Pradesh by providing cutting-edge health services at the farmers' doorstep.	4th Annual Convention of Veterinary Internal and Preventive Medicine Society and National Symposium on "Advancing Veterinary Medicine for Holistic Development of Animal Health and Productivity with a one health approach"	SKUAST	Jammu

b) Trainings and Winter Schools Attended by Faculty Members

The following table outlines the participation of faculty members in various training programs and winter schools aimed at enhancing their academic, technical, and research competencies.

S.No	Name of Faculty Member	Title of the Training/Winter School	Organizing Institution	Venue
1	Dr. Shivani Sahu Asst. Prof. CoB	Integrating Molecular and Bio-informatics Tools Advancing Agriculture & Allied Science	Co B SVPUA&T, Meerut	SVPUA&T, Meerut
2	Dr. Vipul Thakur, Asst. Prof. CoVAS	ICAR sponsored winter school on Mitigation strategies to manage AMR and Zoonosis to ensure food safety	VPHE, CoVAS, G.B Pantnagar	Pantnagar, Uttrakhand
3	Dr. Devesh Kumar Yadav, Asst. Prof., CoVAS	ICAR-Winter School on "Advance in Processing and quality Appraisal of Function Livestock Product".	SVPUAT	Meerut
4	Dr. Atul Kumar Verma, Asst. Prof., CoVAS	ICAR-Winter School on "Advance in Processing and quality Appraisal of Function Livestock Product".	SVPUAT	Meerut
5	Dr. Amit Kumar Prof. CoB	Frontiers in vaccine technologies and applications	Taizhou	China
6	Dr. Vinod Kumar Varun, Asst. Prof., CoVAS	Novel Feed Resources to Augment livestock production, Health and Welfare	ICAR-IVRI	Izatnagar, Bareilly
7	Dr. Neelesh Kapoor Asst. Prof., COB	Advances in Applications of Nanotechnology" at	CIRCOT	Mumbai
8	Dr. Neelesh Kapoor Asst. Prof., COB	Online Faculty Development Program on Entrepreneurship	IPEC-HEC	Online
9	Dr. Sweta Anand Asst. Prof., CoVAS	ICAR-Winter School on "Advance in Processing and quality Appraisal of Function Livestock Product".	SVPUAT	Meerut
10	Dr. Akhil Patel Asst. Prof., CoVAS	Practical animal nutrition for augmenting livestock and poultry productivity	Commonwealth of Learning (COL), Canada and Tamil Nadu Veterinary & Animal Sciences University,	Chennai, India
11	Dr. Akhil Patel Asst. Prof., CoVAS	Current trends in treatment and control of parasitic diseases of livestock and poultry	Commonwealth of Learning (COL), Canada and Tamil Nadu Veterinary & Animal Sciences University,	Chennai, India
12	Dr Devesh Kumar Yadav, Asst. Prof., CoVAS	Advances in Processing and Quality Appraisal of functional Livestock Products	COVAS, SVPUAT Meerut	Meerut
13	Dr Devesh Kumar Yadav,Asst. Prof., CoVAS	Agricultural Statistics in Practice	IIT,Kanpur	Kanpur
14	Dr Shivani Sahu Asst. Prof., CoVAS	21 days Training Program	TANUVAS	Chennai, India

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5. Alamgir, Kumar, P., Kumar, M., Vaishali, Yadav, M. K., & Kumar, M. (2023). Molecular characterization and expression analysis of *PhFBP20* MADS box gene in *Petunia hybrida*. *The Pharma Innovation Journal, 12*(12), 219–227.
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EXTENSION

The Directorate of Extension began functioning with the inception of the University in the year 2000, with a dedicated team at the headquarters and Krishi Vigyan Kendras (KVKs) in various districts within the University's jurisdiction. At present, 20 KVKs are operational under the administrative control of the University, located at the following sites: Baghra (Muzaffarnagar), Ujhani (Badaun), Khekra (Baghpat), Nagina (Bijnor), NoorpurChholas (Gautam Buddh Nagar), Muradnagar (Ghaziabad), Hastinapur (Meerut), Rustamnagar, Bilari (Moradabad), Dhamora (Rampur), Saharanpur, Niyamatpur (Shahjahanpur), Tandabijesi (Pilibhit), Bulandshahr, Sambhal, Dataganj (Badaun-II), Shamli, Amroha, Babugarh (Hapur), Chittora (Muzaffarnagar-II), and Moradabad-II.

A strong team of extension scientists and support staff is based at the headquarters to oversee and support extension activities, functioning under the guidance of the Director of Extension. The establishment of an Agricultural Technology Information Centre (ATIC) as a single-window advisory unit for providing consultancy, diagnostic services, and supply of critical inputs is also underway.

Transfer of Technology

The Directorate of Extension delivers extension services to farmers in Western Uttar Pradesh through various programmes conducted both at the headquarters and through the KVKs. From July 2023 to June 2024, a wide range of activities were implemented, including training programmes, demonstrations, field days, Kisan Melas, Kisan Gosthis, crop seminars, exhibitions, radio talks, TV telecasts, and film shows.

Technology transfer activities were strategically planned and coordinated through the KVKs located in different districts. Efforts were made to strengthen farm advisory services by maintaining coordination with various University colleges, state departments (Agriculture, Fisheries, Animal Husbandry, Rural Development), NGOs, and other extension agencies involved in farmer welfare projects.

Training Programmes

Scientists from the Directorate of Extension and KVKs conducted diverse training programmes tailored to the needs of farmers, field functionaries, unemployed youth, and school dropouts. These programmes aimed to increase agricultural productivity and supplement rural incomes in agriculture, animal husbandry, and family welfare.

During the period from July 2023 to June 2024, a total of 1,966 training programmes (ranging from 1 to 7 days) were organized, benefitting 42,296 participants, including farmers, farm women, and rural youth.

Training, Front-Line Demonstrations and On-Farm Trials

The core mandate of the KVKs is to disseminate newly developed technologies using various dissemination tools such as training sessions, Front Line Demonstrations (FLDs), and On-Farm Trials (OFTs). The details of the trainings, FLDs, and OFTs conducted by the 20 KVKs under SVPUAT during the period July 2023 to June 2024 are provided in the following tables:

Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	1371	22389	5961	28350
Rural youths	116	1186	649	1835
Extension functionaries	365	5001	2417	7418
Sponsored Training	50	2525	287	2812
Vocational Training	64	1145	736	1881
Total	**1966**	**32246**	**10050**	**42296**

Frontline Demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	4638	1912	--
Pulses	676	265.1	--
Cereals	1449	484.50	--
Vegetables	550	111.6	--
Other crops	268	105.1	--
Hybrid crops	0	0	--
Total	**7581**	**2878.3**	**--**
Livestock & Fisheries	595	687.55	637
Other enterprises	810	--	802
Total	**1405**	**687.55**	**1439**
Grand Total	**8986**	**3565.85**	**1436**

Technology Assessment

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	111	672	672
Livestock	35	267	267
Various enterprises	--	--	--
Total	**146**	**939**	**939**
Total	**--**	**--**	**--**
Grand Total	**146**	**939**	**939**

Extension Activities

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL	No of KVKs
Advisory Services	6781	21343	762	22105	20
Diagnostic visits	1146	4460	271	4731	20
Field Day	210	6488	198	6686	18
Group discussions	219	3465	263	3728	17
Kisan Ghosthi	375	59767	2242	62009	20
Film Show	78	3243	89	3332	14
Self help groups	104	2904	136	3040	13

Kisan Mela	103	42178	2012	44190	18
Exhibition	200	19456	985	20441	20
Scientists' visit to farmers field	2984	18203	500	18703	20
Plant/animal health camps	382	1030	18	1048	7
Farm Science Club	4	131	7	138	4
Extrainees Sammelan	30	3475	123	3598	14
Farmers' seminar/workshop	37	1545	231	1776	10
Method Demonstrations	121	1993	115	2108	11
Celebration of important days	120	9042	797	9839	20
Special day celebration	48	6484	846	7330	20
Exposure visits	129	4595	219	4814	18
Others	4924	59173	1589	60762	20
Total	**17995**	**268975**	**11403**	**280378**	

Extension and Outreach Activities

Particulars	Number	No. of KVKs
Electronic Media (CD/DVD)	13	4
Extension Literature	223	19
Newspaper coverage	1303	20
Popular articles	253	14
Radio Talks	68	15
TV Talks	102	12
Animal health amps (Number of animals treated)	329	6
Others	68	9
Total	**2359**	

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
SVPUA&T, Meerut KVK	Text only	16412	439	6248	170	923	4983	29175
	Voice only	4445	366	148	126	1061	995	7141
	Voice & Text both	17883	422	417	166	1069	5343	25300
	Total Messages	**38740**	**1227**	**6813**	**462**	**3053**	**11321**	**61616**
	Total farmers Benefitted	**44113**	**2977**	**5858**	**1454**	**18481**	**8557**	**81440**

Seed and Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	5380.88	11950277.00
Planting material (No.)	347430	137243.00
Bio-Products (kg)	18816.85	98050.00
Livestock Production (No.)	647	99252.00

Soil, Water and Plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	4373	373950.00
Water	163	3700.00
Plant	--	--
Manure	24.85	18750.00
Total	**4560.85**	**396400.00**

Achievements of Flagship Programmes

SN	Name of Programme	Activities	No.	Area Covered (ha)	No. of Farmers benefitted	Revenue generated (Rs)
1	NICRA	FLDs	7	78	255	0
		Training Programmes	9	0	190	0
		Extension Activities	5	0	175	0
		Custom Hiring Centre	25	10	25	5000
		VC RMC	5	0	90	0
2	ARYA	Training Programmes	2	0	40	0
		No. of enterprises being promoted	3	0	60	0
		No. of Entrepreneurial Units established	45	0	45	0
3	SCSP	FLDs	205	21	205	0
		Training Programmes	21	0	517	0
		OFT	9	1.8	9	0
		Mobile Agro Advisories	32	0	205	0
		Extension Activities	438	0	1434	0
		Seed Production (q)	215	0	0	1109000
		Planting Material Prod	49825	0	192	42900
		Livestock Production	0	0	0	0
		Fingerlings Production	0	0	0	0
		Soil Testing	866	0	806	45250

4	CRM	Awareness programme (IEC activities)	36	0	3612	0
		Training programmes	13	0	1375	0
		Demonstrations	825	400	1146	0
		Kisan melas	7	0	1146	0
		Other activities (posters, banners, paintings etc)	279	0	1327	0
		Publicity material leaflets/ pamphlets etc distributed	17480	0	1180	0
		Awareness through TV & Radio	39	0	0	0
		Exposure visit	19	0	1122	0
		Field days	15	0	257	0
		Advertisement published in Print media	14	0	0	0
5	ASCI	Name of Training programmes (200 hour duration) & period when conducted	0	0	0	0
		1. Solanaceous Crop cultivator	1	0	40	0
		2. Organic Growers	1	0	40	0
6	Aspirational Districts Scheme	Training programmes for farmers	0	0	0	0
		Training programmes for Staff	0	0	0	0
7	NARI	Training Programmes	77	0	1116	0
		Extension Activities	56	0	3283	0
		Nutritional Garden units established	196	0.965	209	0.3
		Bio-fortified crops demonstrated	16	0.4	223	0.01
		Value addition	23	0	450	0
		Work on Hunger Free Villages initiated	51	4.04	496	0
8	Natural farming	Training programmes	19	0	628	0
		No. of awareness	18	0	1023	0
		Demonstrations at farm	19.5	3.26	14	0.005
		No. of farmers visited demonstration plots	34	0.4	3812	4.4
9	MGMG	Groups or team formed	20	0	200	0
		Scientists involved	5	0	5	0
		Village's covered	10	0	200	0
		Field activities conducted	20	0	400	0
		Messages /Advisory sent	250	0	590	0

10	Rainwater Harvesting Structures	Structure established in the farmers' fields	0	0	0	0
		Demonstrations conducted	0	0	0	0
		Training Programmes organised	1	0	20	0
		Visits of farmers to such sites	4	0	72	0
		Visits of officials to such sites	2	0	8	0
11	Swachha Bharat Abhiyaan	Programmes organised	249	0	4736	0
12	Agri Drone	No. of Drones purchased	1	0	0	0
		Demonstrations conducted	6	30	30	0
13	CFLD	CFLD on Pulses	10	139.5	309	0
		CFLD on Oilseeds	30	1677.1	3943	0

AWARDS AND RECOGNITIONS OF KVK'S

During the period from October 2023 to June 2024, several faculty members, extension scientists, and farmers associated with the University were honoured with prestigious awards and recognitions. These awards highlight their outstanding contributions to agriculture, extension services, research, and community development. Notably, KVK Hapur and Shahjahanpur received the Outstanding KVK Award during the 34th Foundation Day of the Uttar Pradesh Council of Agricultural Research, Lucknow. Sh. Harsh Vardhan Tyagi was recognized multiple times for his excellence in agricultural production and extension activities, receiving awards such as the Utkrisht Krishi Utpadan Sangthan Award and the Millionaire Award from IARI Pusa. Various members of the University community also received accolades at national and international symposiums, reflecting their active participation in advancing sustainable agricultural practices. Furthermore, awards were given to progressive women farmers and young achievers, emphasizing the University's commitment to inclusive growth and empowerment in the agricultural sector. The following table summarizes these distinguished recognitions.

Award/Recognition	Recipient(s)	Occasion / Organizer	Date
Outstanding KVK Award	KVK Hapur& Shahjahanpur	34th Foundation Day of Uttar Pradesh Council of Agricultural Research, Lucknow	27 Oct 2023
Utkrisht Krishi UtpadanSangthan Award 2023 (FPO)	Sh. Harsh Vardhan Tyagi	34th Foundation Day of Uttar Pradesh Council of Agricultural Research, Lucknow	27 Oct 2023
Millionaire Award 2023	Sh. Harsh Vardhan Tyagi	IARI Pusa, New Delhi	06 Dec 2023
Kisan Samman Divas Award 2023	Sh. Vikar Ahmad Khan	Kisan Samman Divas by Hon'ble VC Dr. K.K. Singh, SVPUA&T, Meerut	23 Dec 2023
Award on "AnnadataSamagam-Ganna Paricharcha"	Mr. Netra Pal (KVK Badaun-II Farmer)	Organized by SVPUA&T Meerut	13 Feb 2024
Best Poster Presentation (Young Scientist Category)	Dr. Pallavi Chaudhary	International Symposium on Global Science for Global Well Being, IMS Ghaziabad	27 Nov 2023
Member Technical Session Management Team	SVPUAT faculty/Staff	ICAR National Symposium on Sustainable Agricultural Practices, SVPUAT	15-16 Mar 2024
Third Position in Oral Presentation	Dr. Pankaj	ICAR National Symposium on Sustainable Agricultural Practices, SVPUAT	15-16 Mar 2024
Outstanding Extension Worker Award	Dr Amit Kumar Verma	Animal Health Camp in collaboration with IFFCO, COVAS, SVPUAT	Oct– Dec, 2023.
Young Achiever Award 2024	Dr. Amit Kumar	International Conference on Next-Gen Agriculture for Sustainable Environment	09-11 Feb 2024
Appreciation	Dr. Sanjeev Kumar Baliyan	Minister for Fisheries, Animal Husbandry and Dairying, Govt. of India	–
Certificate of Appreciation	Mr. Ajay Kumar	IPL Centre for Rural Outreach	–
Certificate of Recognition	KVK Shamli	IPL Centre for Rural Outreach	–

3rd Prize on Oral Presentation	Mr. Saqib ParvazeAllaie	SVPUA&T, Meerut	–
Special Award for Basmati Rice Production & Online Marketing	Smt. Suman Rani	Progressive Women Farmer, UP Govt.	2024
Fellow Farmer Award	Sh. Yogesh Baliyan	IARI Pusa, New Delhi	06 June 2024

Capacity Building

S. No.	Topic	Date of training	No. of SMSs Participated
1	Training programme on " Extension Methodology and Motivational Skills for Extension Personnel" conducted by EEI Nilokheri, Haryana	25-28 July, 2023	48
2	One day awareness programme on "Quality Parameters of Agro Inputs" conducted by conducted by Directorate of Extension, S.V.P.U.A. & T., Meerut in collaboration with Bureau of Indian Standards (Ministry of Consumer Affair, Food & Public Distribution)	11 August, 2023	26
3	Two days Capacity Building Program on "Production & Protection Technologies of Horticultural Crops" conducted by Directorate of Extension, SVPUAT, Meerut (UP)	28- 29August, 2023	33
4	Participatory Planning and Execution of Technology A pplication by the KVKs of UP at Directorate of Extension, SVPUAT, Meerut (UP)	04-06 September, 2023	50

5	Natural farming: present status and future prospects conducted by IDP-NAHEP, GBPUAT, Pantnagar	11-15 September, 2023	04
6	Two days Training program on 'Crop production technologies' conducted by Directorate of Extension, SVPUAT, Meerut (UP)	13-14 September, 2023	35
7	Five days Training program on 'Social media skills for transfer of technology' conducted by EEI, Nilokheri	03-07 October, 2023	10
8	Effective communication skills for extension personnel conducted by EEI, GoI, Nilokheri	06-10 November, 2023	09
9	Training on 'Soft skills for extension professionals' conducted by EEI, Nilokheri	18-21 December, 2023	09
10	Capacity building programme under HRD on 'Livestock and Fish Production Technologies' conducted by Directorate of Extension , SVPUAT., Meerut during 4th to 5th Jan 2024	4- 5 January, 2024	16
11	Conclave on 'Sustainability, Productivity and Green Growth' conducted by Directorate of Extension , SVPUAT., Meerut in collaboration with National Productivity council	9 January, 2024	12
12	Workshop cum brain storming on 'IPR strategies for Livestock based functional foods' conducted by COVAS, SVPUAT., Meerut	09 February, 2024	11
13	Sugarcane Production Technologies conducted by Mankind Agritech Pvt. Ltd	09 February, 2024	43
14	Workshop on Transformative Agriculture and Sustainable Development: Rethinking Agriculture for a Changing World conducted by Agriculture Department, Muzaffarnagar	5-7 March, 2024	08
15	Sustainable Agricultural Practices for Food Security and Environmental Conservation conducted by ICAR at SVPUAT, Meerut	15-16 March, 2024	42
16	Workshop on "Video Production Skills for Extens ion Professionals" conducted by Extension Education Institute, Nilokheri (Haryana), India in collaboration with MANAGE, Hyderabad	1-3 May, 2024	04
17	Five days training on Natural Farming at MANAGE Hyderabad	14-18 May, 2024	08
18	Workshop on "Work Ethics and Conflict Management in an Organization" conducted by Extension Education Institute, Nilokheri (Haryana)	18-21 June, 2024	04
19	Two days HRD Training Programme on " Field crops production technologies" at SVPUA&T, Meerut	21-22 June, 2024	25

HRD Trainings

Collaborative HRD Trainings

Organized Seminars and Workshops

S.N.	Topic	Venue	Date
1.	Conclave – On Sustainability, Productivity and Green Growth	SVPUAT, Meerut	09 Jan. 2024
2.	ANNADATA SAMAGAM	SVPUAT, Meerut	13 Feb. 2024
3.	Pre Annual Zonal Workshop of KVKs	SVPUAT, Meerut	18-19 June,2024
4.	Kisan Chaupal TaknikiParicharcha	SVPUAT, Meerut	19 July, 2024

Seminars and Workshops

S.N.	Topic	Venue	Date
1.	30th Annual Zonal Workshop, BHU, Varanasi	Varanasi	30 June-02 July, 2023
2.	Three days international workshop on "Hindon Roots Sensing (HIROS) – River Rejuvenation through Scalable Water and Solute Balance Modelling and Informed Farmer's Actions" at ICAR- CSSIR, Karnal	ICAR-CSSIR, Karnal	09 Aug. 2023
3.	Midterm review Workshop of KVKs	ICAR-ATARI, Kanpur	02-03 Nov. 2023

Events Organized

S. No.	Activity/Programme	Date	Location/Organizer	Details	Participants
1	Mango Show	10.07.2023	KVK Amroha	Chief Guests: Sh. Surya Pratap Shahi, Sh. Baldev Singh Aulakh, Dr. U.S. Gautam	-
2	ICAR Foundation and Technology Day	16-18.07.2023	KVK & Village Jhukasa	Celebrated ICAR's 95th Foundation Day	64
3	ICAR Foundation Day	18.07.2023	KVK	Celebrated separately	60
4	I.C.A.R. Foundation Day	16.07.2023	KVK	Participation	117

5	Independence Day	15.08.2023	KVK	Celebration	08
6	Gandhi Jayanti	02.10.2023	KVK	Celebrated	-
7	Independence Day (addl.)	15.08.2023	KVK	-	23
8	All India Farmers Fair	17-19.10.2023	SVPUA&T, Meerut	KVK Participation	-
9	Kisan Mela (CRM)	04.10.2023	KVK Hastinapur	Crop Residue Management Project	434
10	Animal Health Camp	30.09.2023	NICRA Project	Daulatpur Village	237
11	CRM Gosthi	06.11.2023	KVK & Agri Dept.	Chief Guest: DM Meerut	450
12	Millets Revival Prog.	30.11.2023	Agri Dept., Meerut	With 250 school students	250
13	Millets Prog. for Teachers	12.12.2023	Agri Dept., Meerut	Awareness among teachers	200
14	Zaid Gosthi	13.03.2024	-	-	-
15	Kisan Gosthi (SCSP)	23.03.2024	ICAR-NIPM	Zaid crop pest mgmt	100
16	Kisan Samman Nidhi (14th)	27.07.2023	KVK	Live telecast; Chief Guest: Smt. Sudha Khatik	150
17	Kisan Samman Nidhi (16th)	28.02.2024	KVK	Live telecast; Chief Guest: Smt. Sudha Khatik	120
18	PM Kisan Samman Nidhi	18.06.2024	KVK	Programme held	74
19	Tree Plantation	July 2023	KVK Farm & Villages	Plants distributed: Karounda, Sahjan, Lemon	-
20	Parthenium Awareness	16-22.08.2023	KVK	Awareness week	-
21	Swachhta Abhiyan	30.11.2023	KVK	Cleanliness drive	-
22	World Soil Day	05.12.2023	KVK	Soil Health Awareness	62
23	World Water Day	22.03.2024	KVK	-	-
24	Safe Use of Pesticides	20.12.2023	KVK	Training programme	85
25	Two-day SHREE-ANNA Workshop	28-29.12.2023	KVK	Focused on millets	248
26	Natural Farming Awareness	04.01.2024	Village Jithauli	Lectures by scientists	-
27	National Workshop on Natural Farming	19-20.03.2024	ATARI Kanpur	Recognition to Dr. J.K. Arya	-
28	Discussion on Sugarcane	02.02.2024	KVK Hastinapur	Green TV Channel & Deputy Director Agri.	300
29	16th Convocation	21.02.2024	SVPUA&T	Governor distributed kits to Anganwadi workers	-
30	International Yoga Day	21.06.2024	KVK	75 in person; 519 pledged online	75 + 519
31	Yoga Day Pledge	21.06.2024	Online	Participants took pledge	519
32	RAWE Training	01.05.2024 - 30.06.2024	KVK	IIMT Meerut students trained	-

33	Amrit Intern Orientation	07.03.2024	KVK	Orientation for interns	75
34	ASCI Training – Bee Keepers	10-12.06.2024	KVK	Skill development training	40
35	Agriculture Education Day	23.12.2023	KVK	Awareness Programme	-
36	International Women's Day	05.03.2024	KVK	Celebrated	-















COMMUNITY DEVELOPMENT AND WOMEN EMPOWERMENT

Tele Agriculture

To enhance real-time communication and knowledge transfer between University scientists and the farming community across 18 districts, the Tele-Agriculture programme was launched on the 13th December, 2022. This initiative aims to provide timely agricultural advisories, problem-solving support, and dissemination of innovative practices through virtual interactions. Since its inception, several interactive sessions have been conducted under this programme. The details of these interactions are summarized in the table below:

Sr. No.	KVK	Date	Title	Venue
1	Pilibhit	25 Feb, 2023	Interaction with vegetable growers farmers	Village- Devipura, Block Marori
2	Sambhal	15 April, 2024	Discussion on contemporary management of organic crops	Village -Kudhfatehgarh Block - Baniyakhera
3	Hapur	16 April, 2024	Interaction with vegetable growers farmers	Village -Tatarpur Block - Hapur
4	Amroha	04 May, 2024	Interaction with fish farmers	Naya Gau Block - Amroha
5	Bijnore	07 May, 2024	Interaction with Basmati paddy grower farmers	Village - Umri Block – Nahtaur
6	Badaun - I	16 May, 2024	Interaction with poultry farmers	Village - Adauli Block - Ujhani
7	Saharanpur	24 May, 2024	Interaction with dairy farmers	Village - Baderi Koli Block - Nagal

Special Programmes for Women Empowerment

To promote inclusivity and empower women within the community, a series of targeted programmes were organized. These initiatives focused on fostering dialogue, enhancing skills, and providing training to improve economic and social opportunities for women. Distinguished personalities, such as the Hon'ble Governor of U.P., actively participated in these events, underscoring the government's commitment to women's development. The key events conducted under this umbrella are summarized in the table below:

S.No.	Topic	Date	Photographs
1.	Mahila Samvad (Chief guest Hon'ble Governor of U.P.)	17 October 2023	

2.	Udhyami Mahila Samagam(Chief guest Hon'ble Governor of U.P.)	21 February 2024	
3.	Illiterate Women Trainings (48 trainings & 1750 participants)	July 2023 to July 2024	

Establishment of Innovative Unit and Mahila Adhyan Kendras

Under the visionary leadership of the Hon'ble Governor of Uttar Pradesh, significant initiatives were undertaken to address critical social issues concerning women's rights, education, health, and hygiene. As part of these efforts, 09 Mahila Adhyan Kendras and 01 Innovative Unit titled "Maatrya Chhaya: Rural Women Chaupal" were established to empower rural women through awareness, dialogue, and community engagement.

Establishment of ODOP and FPO Product Cell

The ODOP (One District One Product) and FPO (Farmer Producer Organization) Product Cell was established at the Directorate of Extension on 14th June 2024. The inauguration was graced by Shri Surya Pratap Shahi, Hon'ble Minister for Agriculture, Agriculture Education and Research, Government of Uttar Pradesh, in the esteemed presence of Shri Baldev Singh Aulakh, Hon'ble Minister of State for Agriculture, Agriculture Education and Research, Government of Uttar Pradesh. The event also witnessed the presence of Dr. Manoj Kumar Singh, Agricultural Production Commissioner, Uttar Pradesh, and Dr. K.K. Singh, Hon'ble Vice-Chancellor, SVPUAT, Meerut.

SUCCESS STORIES

SUCCESS STORY-1

Beekeeping Made the Basis of Enterprise

Shri Bhagwan Singh S/o Shri Devdatta

Village : Brahimpur, **PO :** Sukhaura
Block : Samrer
District : Budaun
Mob. No. : 7409498341
Age : 47 years
Education : High School
Land : 0.6 Ha.

Situation analysis/ Problem statements

Shri Bhagwan Singh used to cultivate wheat, paddy, maize, sugarcane and mustard, etc., on his land, due to which he was facing financial crisis due to low income. He was always interested in agricultural diversification and how to earn additional income.

Plan, Implement and Support

Beekeeping is the main component of agricultural diversification. Beekeeping helps earn a living. Beekeeping provides additional income, which can improve the economic and social status of the family. Beekeeping can be easily started by unemployed youth and women with less capital. Beekeeping is helpful in pollination, which increases the yield of crops by 10-15%. Honey, wax, royal jelly, resin, bee venom, pollen and bee offspring are obtained from beekeeping.

KVK intervention, Practical utility and Economic Impact

On scientific advice from KVK, Shri Bhagwan Singh started beekeeping with 10 honey bee boxes. Due to the large area of mustard and linseed in the district, the bee population increased rapidly, due to which he now has 200 bee colonies. An average of 25 kg of honey was obtained per bee colony. 5000 kg of honey was obtained from the total colonies. This gave a total income of Rs. 7 lakhs. A net profit of Rs. 3.5 lakhs was obtained. Rs. 1.5 lakhs were obtained by selling 50 bee colonies. A total net profit of Rs. 5.0 lakhs was obtained, and due to keeping bee colonies in oilseeds and pulses, the pollination process took place smoothly, resulting in an increase of 10-15 percent in the yield.

Output, Outcome and Impact

Awareness about beekeeping has increased among farmers. 200 farmers in the district have started beekeeping. There has been an improvement in socio-economic status and a better standard of living.

Beekeeper Shri Bhagwan Singh

Beekeeping Unit

SUCCESS STORY-2

Increase Your Income by Producing Potatoes

Shri Dinesh Pal S/o Shri Jaipal Singh

Village & PO : Khunak

District : Budaun

Age : 56 years old

Land : 1.6 ha.

Block : Jagat

Mob No. : 8532882577

Education : M.A

Situation analysis/ Problem statements : KVK intervention and Plan, Implement and Support: Shri Dinesh Pal was doing traditional farming of paddy and wheat. Due to the high cost, his work was earning a low net income. On scientific advice from KVK, he included potatoes in his crop rotation. He started potato cultivation in the first year on an area of 0.4 ha, due to which he got more net profit. Presently, he is cultivating potatoes on an area of one hectare.

Practical utility and Economic Impact : Along with improving soil health and earning additional income through natural farming, self-employment and employment generation for the people around through seed production. Due to integrated crop management in the potato crop, production and quality increased, as potatoes are free from shiny disease, due to which a higher market price is also obtained. Due to this, the storage capacity of potatoes has also increased, and potatoes can be stored for a long time. Yield of 405 quintals/ha was obtained, and income of 202500 and net profit of 120000.00.

Output, Outcome and Impact : Easy adoption by farmers. Technology coverage is to 3500 farmers. There has been an improvement in socio-economic status and a better standard of living.

A farmers with KVK's scientist

Healthy Potato Crop

SUCCESS STORY-3

Mechanization in Sugarcane

Shri Chandrahas Rana

Village : Jayasinghpur
Tehsil : Mawana
District : Meerut
PIN : 250401
Phone No. : 8433462059
Age : 60 years
Educational Qualification : High School
Total Landholding : 27 acres
Subject Area : Sugarcane Production and Intercropping Farming

Problem / Challenge : Lack of labor availability and low income per acre

Technical Description : Mechanized farming using trencher, rotary tiller, rotavator, harrow, and cultivator.

Along with this, intercropping of mentha, aloe vera, and vegetables was adopted in sugarcane fields.

Practical Utility : Due to mechanized operations, farming activities became easier and less dependent on labor. Implementation of drip irrigation in sugarcane resulted in water savings and increased yield. Additional income was generated from intercropping.

Economy Impact : By planting approximately 1200 plants per acre using technical methods, an annual income of Rs. 4,50,000 was obtained. In addition, income of around Rs. 40,000 per acre was earned from intercrops. Use of machines reduced input cost by Rs. 30,000 per acre.

Technical Adoption and Horizontal Expansion : He was honored at various levels for his work. Inspired by his efforts, other farmers also began millet transplanting and the cultivation of underutilized crops. They also started drip planting of sugarcane and intercropping practices. Currently, this technique has been adopted over approximately 32,000 hectares of area

Social Impact

- Establishment of Farmer Machinery Bank, setup of drip system in sugarcane and promotion of higher-level education for children.
- Recognized at the district level in the year 2022 for maximum millet production per hectare.

Sugarcane and Brinjal Intercropping

Trench Plantation

Ratoon Manager

SUCCESS STORY-4

Preparing Vinegar from Sugarcane and other crops

Shri Naresh Sirohi

Village : Jhitkari
Tehsil : Sardhana
District : Meerut
PIN Code : 250342
Phone Number : 9084593149
Age : 55 years
Educational Qualification : B.Sc. (Agri. Grad.)
Total Land Holding : 1.25 acres
Field of Work : Value Addition
Field of Work : Value Addition

Problem / Challenge : Unemployment and low income

Technical Description : Mainly: Domestic-level production of vinegar from sugarcane along with vinegar made from apple, jamun, and 20 other types of vinegar extracts such as rose, turmeric, clove, black cumin, cumin, etc. at the household level.

Practical Utility : Every year, under the brand name "Vigor of Vipage", 50 to 60 tons of vinegar are prepared and supplied into 25 locations including Ayurvedic medical stores, general stores, city hotels, and dhabas in packs of 0.5 liter and 1.0 liter. The total cost of vinegar production is Rs. 35 to Rs. 40 per liter, and the selling price is Rs. 100 per liter.

Economy Impact : Additional net annual income – Rs. 7,50,000

Current profit-to-cost ratio : 1 : 2.5

GST Number and FSSAI License are available.

Technical Adoption and Horizontal Expansion : Inspired by Mr. Sirohi, other youths from the village have joined this work, and the activity has also started in neighboring villages.

Social Impact

- Improved standard of living, construction of a new house, purchase of a bullet motorcycle, and access to quality education for children
- Winner of the Jai Kisan Award – Northern Regional Farmer Fair, Indian Institute of Pulses Research, Kanpur

Preparing vinegar at the household level

Various kinds of vinegar

SILVER MEDAL
Northern Regional Farmer Fair

SUCCESS STORY-5

Sugarcane Production, Basmati Rice Cultivation, and Natural Farming

Dr. Neerja Sharma

(Founder of Neer Aadarsh Organics and Director of Farmer Producer Organization)

Registration No.: U01100UP2021PTC149384

Village : Daulatpur

Tehsil : Sardhana

District : Meerut

PIN : 250110

Phone No. : 9897495175

Age : 42 years

Educational Qualification : Postgraduate

Total Land Holding : 0.23 hectares

Field of Work : Value-added farming and seed production

Problem / Challenge : To motivate farmers toward residue-free farming, to obtain the right price for produce, and to increase income.

Technical Details : Practicing natural farming and farming free from harmful residues. Production of various types of vegetables. Collecting organic crops from farmers and processing them into certified value-added products like jaggery, khand and selling them in the market.

Practical Utility : Production of high-quality organic products for society. Exporting rice abroad and generating foreign income. Forming a collective of small and marginal farmers for value-added product marketing. Providing farmers with access to modern machines to boost mechanization.

Economy Impact : Improvement in the standard of living for both farmers and consumers. In addition to foreign exchange earnings, a net profit of ₹ 6,00,000 has been generated through the FPO by offering high-quality seeds of organic paddy, garlic, mustard etc.

Technical Adoption and Horizontal Expansion : Cluster of 50 hectares of organic farming. Benefits reached 813 farmers, their families, and other farmers.

Social Impact

- Along with improvement in living standards, a sense of mental satisfaction has developed that we are contributing something meaningful for our farmers, society, and the nation, and cultivating on small land with purpose.
- Honored by Invest India Meerut under Unnat AgriPreneur Promotion Award 2023–24.
- Honored by LM Best FPO Award 2024 from Lucknow Management Association.

Neer Adarsh Organic FPO Honored with Best FPO Award with its Organic Product on Display

SUCCESS STORY-6

Goat Rearing

Shri Sajid

Village : Batnaur

District : Meerut

Phone Number : 9410278284

Educational Qualification : M.A.

Tehsil : Mawana

PIN Code : 250401

Age : 36 years

Total Land Holding : 0.5 acres

Sector : Animal Husbandry / Goat Rearing

Challenge : Lack of employment and low income from agriculture.

Technical details : Mr. Sajid started goat rearing at a very small level (2–3 goats) around 2 years ago. Now he is rearing around 40 goats. He is following all practices as advised by scientific experts and aims to expand this business to a larger scale.

Practical Utility : Goat rearing plays a significant role in Indian agriculture. The goat is an animal that, with low investment, can generate good income rapidly. Goat farming is particularly profitable for landless, marginal, and small farmers in rain-deficient and resource-poor areas.

Economy Impact : Estimated Annual Income- Rs. 2,00,000

Technical Adoption and Horizontal Expansion : Inspired by Mr. Sajid, other youth from the village have also joined this initiative. As a result, apart from selling cow and buffalo milk, local livestock farmers are now making goat rearing a steady source of income.

Social Impact : The goat rearing enterprise has expanded further in the local community.

Goat Rearing

SUCCESS STORY-7

Multilayer Natural Farming (Yagya and Cow-based)

Shri Sunil Kumar (Ex-serviceman) S/o Mr. Late Jaypal Singh

Village & Post : Bhamori
Tehsil : Sardhana
District : Meerut
PIN Code : 250342
Mobile Numbers: 7830051579, 9149339026
Age : 42 years
Educational Qualification : M.A., B.Ed.
Total Land Holding : 6 hectares

Sector/Field : Entrepreneurship/Agricultural Diversification

Problem / Challenge : To replace environmentally unsustainable agricultural inputs and practices, to enhance resources and activities, to create healthy citizens, and to establish an impactful and sustainable development model.

Technical Details : Sugarcane, lemon, turmeric, banana etc., about 40 to 45 crops and scientific plants are being cultivated. Certified organic and integrated farming enterprise (Registration No. 22723358000 642) has been established. It includes various products of sugarcane, fruits, pulses, vegetables and pickels.

Practical Utility : Along with stable income for 10 to 12 families, environmental conservation, women's empowerment, water conservation, protection of backward communities from chemical exposure, clean production, healthy living, and building a clean nation.

Economy Impact

Income from sugarcane based value-added products – Rs. 3,25,000

Pickles – Rs. 1,50,000

Vinegar– Rs. 1,25,000

Vegetables – Rs. 1,00,000

Garden (Multilayer) – Rs. 4,50,000

Total additional annual income – Rs. 11,50,000

Current benefit-cost ratio – 1 : 1.35

Technical Adoption and Horizontal Expansion : By providing natural agricultural products to lakhs of people inspired by Mr. Sunil Kumar, a producer group has been formed. Many farmers are being motivated towards natural farming, environmental conservation is being promoted, and awareness is being raised for the proper utilization of crop residues.

Social Impact

- Land market value – Rs. 15,00,000
- Establishment of model jaggery unit and solar power plant
- Honored three times on the occasion of Farmer Honor Day

Natural farming of Sugarcane

Value-added jaggery

Carrot jaggery

SUCCESS STORY-8

Multi-Layer Natural Farming

Shri Sanjay Tyagi

Village & Post : Pauchi

District : Meerut

Mobile No. : 8193055559

Educational Qualification : B.Sc.

Block : Kharkhauda, NH-235, Hapur

PIN Code : 245206

Age : 66 years

Total Land Holding : 1.6 hectares

Subject Area : Entrepreneurship/Agricultural diversification

Problem / Challenge : To get rid of harmful production from farming and to get more benefits from conventional farming and to establish environmental protection and soil health and human health

Technical Details : By agricultural diversification, producing different products year-round like-pulses, wheat, garlic, onion, garlic, lemon, millets, apple, almonds. All this is providing consistent income.

Practical Utility : Agricultural diversification is today's necessity, especially for small farmers, as it provides employment on a larger scale. Income increases. With improvement in soil fertility and land condition and due to carbon enhancement, the use of green herbicides improves the environment.

Economy Impact : From every hectare of land, organic pulses, garlic and sugracane are produced. Their value increases due to packaging. Through jaggery, pulses and sugar, the total annual net income per hectare is Rs. 3,00,000

Technical Adoption and Horizontal Expansion : The importance of organic production is being understood in society. These products are sold easily. Seeing this, nearby farmers are getting inspired. In the district, 39 farmers have adopted organic farming.

Social Impact

- Residential development, boundary wall of farm, and other construction works were undertaken.
- On the occasion of Kisan Samman Diwas, awarded with the Sky Foundation "Sky Award" and Krishi Jagran, New Delhi, for outstanding work in agriculture.

Production of pulses and wheat using natural farming techniques

SUCCESS STORY-9

Processing of Turmeric and Organic Farming of Sugarcane

Dr. Achal Kiran S/o Mr. Manjit Singh

Village & Post : Ajay Bag

District : Meerut

Mobile No.: 9837263781

Educational Qualification : Ph.D.

Block : Daurala

PIN Code: 250222

Age : 44 years

Total Land Holding : 8 acres

Subject Area : Turmeric Processing

Problem / Challenge : Problem of storage

Technical Details : Producing high-quality products using technical methods and carrying out complete work from processing to packaging.

Practical Utility : Land conservation and promotion of organic farming, reducing the use of chemical inputs, and increasing the use of organic seeds.

Economy Impact : Employment opportunity within the family and economic profit is obtained.

Additional net income : Rs. 3,50,000 per year

Technical Adoption and Horizontal Expansion : Communicating with farmers from time to time, discussing soil health, nutrients, and using seeds and manures based on soil testing.

Social Impact

- The business was established at a large level.
- Honored with the "Kunj Bihari Sansan Award

Young entrepreneur engaged in organic processing of turmeric and packaging

SUCCESS STORY-10

Year-round Mushroom Production

Shri Rakshit Mittal

Village &Post : Chindori Khas

District : Meerut

Mobile No. : 8923171861

Educational Qualification : Graduate

Aadhaar Number : 9908 1869 4452

Field of Interest : Agricultural diversification

Block : Rohta,

PIN : 250502

Age : 30 years

Total Landholding : One acre

Field of Interest : Agricultural diversification

Problem/Opportunity : To earn more income throughout the year by adopting crop rotation and to generate employment for other family members as well

Technical Details : Mr. Rakshit Mittal received training in mushroom production and marketing from the Krishi Vigyan Kendra (Agricultural Science Center), Ghatampur. He started mushroom farming and focused on improving its yield. Technically, he is now capable of producing high-quality mushroom and is involved in complete processing, packaging, and marketing.

Practical Implementation : Mr. Rakshit Mittal cultivates wheat and paddy on his one acre land. Alongside, he began mushroom farming with a vision to become self-reliant. He is committed to generating employment for other unemployed youth and women in his village by setting an example in self-employment. After completing his graduation, he left his job in a private company and started mushrrom farming with passion.

Economy Impact : In the first year, he carried out production with his own investment. Currently, after three years, he earns an annual net profit of ₹ 6 lakhs from mushroom production

Technical Adoption & Horizontal Expansion : He is providing year-round employment to four other individuals along with himself.

Social Impact

- Renovation of his house,
- Good education for children,
- Social upliftment through dairy farming.
- Awarded "Farmer Honour 2023" by the Agriculture Department, Meerut.

Year-round Mushroom Production

SUCCESS STORY-11

Inter-cropping of Vegetables with Marigold Cultivation

Shri Sunil Kumar, S/o Shri Sumer Singh

Village & Post : Lavad

PIN : 250222

Age : 38 years

Total Landholding : 4 acres

District : Meerut

Mobile No.: 9756833939

Educational Qualification : B.Sc.

Aadhaar Number : 3817 7063 5474

Field of Interest : Entrepreneurship and Agricultural Diversification

Problem/Challenge : Low income due to traditional farming methods

Technical Intervention : By gaining technical knowledge of the intercropping of vegetables with marigold cultivation, Mr Sunil Kumar has adopted agricultural diversification. He now cultivates vegetables and flowers year-round, leading to a significant increase in income.

Practical Implementation : Agricultural diversification is highly useful for small farmers. It provides increased job opportunities and boosts income. Mr. Sunil Kumar has incorporated this model into his farming practices.

Economic Impact : Through year-round intercropping horticultural farming, he now earns an additional annual income of ₹ 2,50,000.

Technical Adoption & Horizontal Expansion : He manages the sale, investment and arrangements of vegetables through Lavadh Producers Company Limited and motivates other farmers by linking them to the facilities provided by the company.

Social Impact

- Additional income obtained via FPO (Farmer Producer Organization)
- Admission of children in good schools for better education
- Awarded with Nukkad Rural Participation Honour 2017

Commercial Floriculture

Vegetable Cultivation

Intercropping of vegetables

Participation Honour

SUCCESS STORY-12

Basmati Rice Production

Shri Vinod Kumar Saini

Village & Post : Kushawali, Sardhana

District : Meerut

PIN Code : 250342

Mobile Number : 9719477170

Age : 47 years

Educational Qualification : M.Sc.

Total Land Holding : 5 hectares

Field of Work : Crop Production (Basmati Rice)

Problem / Challenge : Lower income per unit area of land.

Technical Description : Mr. Vinod Saini began transforming his farming practice by applying scientific techniques. Instead of cultivating common grain crops, he started basmati rice production using advanced agricultural methods. He also established a Farmer Producer Organization (FPO) and brought nearly 500 farmers into this effort, enabling them to start quality fenugreek seed production using the same scientific approach.

With the help of APHEDA, he also started the processing and branding of the seeds, and is now supplying high-quality seeds to local farmers.

Practical Utility : The demand for quality basmati rice is continuously increasing not only within the country but also internationally. By joining this value chain, farmers are able to earn better incomes. Considering this, Mr. Saini has involved other farmers and helped them become part of this profitable enterprise.

Economy Impact : Through scientific basmati rice production, a net income of approximately ₹ 98,500 per hectare is being earned. In addition, agricultural diversification has also been adopted.

Technical Adoption and Horizontal Expansion : By establishing a Farmer Producer Organization, Mr. Saini has connected 500 farmers with himself and is helping them through technical guidance, training, and input supply. His efforts have also been recognized by the Government of Uttar Pradesh.

Social Impact

- Established a Seed Distribution System and initiated community-level mobilization for basmati rice management.
- In 2022, received the First State-Level Award in the field of seed production.
- In 2021, honored with the Pt. Deen Dayal Upadhyay Farmer Honor at the state level.

Basmati Rice Production

SUCCESS STORY-13

Rural Youth Training on Aquarium Construction Gaining Popularity in Muzaffarnagar

Shri Vikrant

Village : NanglaKabir, **Block :** Jansath, a 22-year school dropout farmer, was selected for the rural youth training on aquarium construction. He was originally involved in farming.

KVK Intervention : Provided rural youth entrepreneurial training about all the steps involved in aquarium construction and sale. The economics of the aquarium construction and the ways and methods to save maximum on the sale were demonstrated to the trainees.

Output : Mr. Vikrant got trained in aquarium construction and started his business for aquarium construction and sale to the nearby areas. He got two big orders for which his initial input was Rs. 2000 and got an estimated profit of Rs. 7000. Later, he participated in a talent competition of the Khatauli sugar mill and received a prize of Rs. 5100 for his aquarium construction.

Outcome : Based upon his Aquarium construction talent, he was awarded a permanent job in the Khatauli sugar mill at a monthly wage of Rs. 14000. He is currently the breadwinner for his family and is very satisfied and happy with his new skill.

Impact : The rural youth training has had a great impact on the life of Mr Vikrant and his family members. He has started his own business and his now employed based on his excellent learning skills. This training has helped him by providing a livelihood and an enthusiasm to learn and expand his business enterprise. Now he is one of the active participants of the KVK activities and shows keen interest to learn new things. The success of Mr. Vikrant has paved the way for other young farmers and self-help groups to take up aquarium construction as a business idea.

Director Extension, SVPUAT, Meerut distributing training certificate after successful completion of training

SUCCESS STORY-14

Cow Dung Products: A Source of Income for Rural Women

Smt. Aarzo Siwach

Village : Nangla Mhasi

District : Muzaffarnagar

Cultivation Area : 2.67 ha

Block : Jansath

Mobile : 9760402502

No. of animals : 09 cow

Field of Interest : The utility of cattle dung, besides producing the massive vermi compost manures, has now been much diversified while creating different varieties of useful products. Ahead of the festive seasons, women who run the Self-Help Group (SHGs) have received orders to supply lakhs of eco-friendly Diya (Earthen Lamps), besides some other utility products made out of cow dung, to different places.

KVK intervention : KrishiVigyan Kendra, Chitoda, Muzaffarnagar-II promotes the cow dung products with an aim to enhance the income of rural farm women. KVK also motivates farm women through training and advisory services for cow dung products.

Output : The SHG is gaining income of approximately 1 lakh per month.

Products :

- Swadeshi organic dhoop
- Swadeshi organic mini hawankund
- Swadeshi eco-friendly diyas
- Swadeshi organic hawansamagri
- Swadeshi hawanupley
- Swadeshi organic puja batti
- Swadeshi organic hawansamidha

Achievements : The group got an order from Ram Mandir, Ayodhya, and has supplied 900000 eco-friendly diyas to Ayodhya. These diyas are eco-friendly as they easily dissolve in water.

Impact : The SHG is using cow dung to produce various organic products which are very much in demand. Moreover, cow dung is easily available and the products are ecofriendly.

Cow Dung Products

SUCCESS STORY-15

Inter-cropping for Enriching Soil Health and Farm Income

Shri Ankit Baniwal

Village : Nagala Mubarik **Block :** Jansath

Distt : Muzaffarnagar **Mob. No.** 8077552586

Income and soil health security

Introduction : Intercropping of crop is a viable option to improve farmer's income as well as soil health with lesser cost of cultivation. So, Sugarcane + Lobia is an important intercropping system which is really beneficial to the farmers.

KVK intervention : Krishi Vigyan Kendra, Chittora promotes intercropping of sugarcane + Lobia with an aim of higher income and improves soil health security. KVK also motivates farmers through training and demonstrations at farmers' fields.

Particulars	Yield (q/acre)	Gross Cost (Rs/acre)	Gross Return (Rs/acre)	Net Return (Rs/acre)	B:C Ratio
Improved practice (Intercropping of sugarcane + Lobia)	600	60000	220000	160000	2.66
Existing practice (sole sugarcane)	520	56000	182000	126000	2.25

Outcome : The highest sugarcane yield (600q/acre) was obtained with sugarcane + Lobia intercropping as compared to sole crop of sugarcane (540q/acre). It significantly showed that the net return and the B: C ratio of sugarcane and Lobia is higher than the sole crop of sugarcane.

Impact : Inter-cropping of sugarcane + Lobia significantly enhanced the farmer's income and also improved soil health due to added organic matter and root exudation of lobia. It showed that almost 21% more net return was obtained with Intercropping of sugarcane + Lobia as compared to the sole crop of sugarcane.

Inter-cropping of sugarcane and Lobia

SUCCESS STORY-16

Scientific Broiler Farming

Shri Shivam Kumar S/o Dharmender Singh

Village : Madhwamai

Block : Dadrol

Post : Ghusgaw

District : Shahjahanpur

Situation analysis/ Problem statements : A farmer who was selected for this demonstration. He was earlier involved in poultry farming, but especially in laying birds for egg production. He had reared the local breed Rhode Island Red. But due to the disease outbreak, most of the birds died, which led to heavy economic losses.

Plan, Implement and Support : KVK Shahjahanpur tries to make him aware of the scientific broiler poultry farming. That starts from the cleaning and hygienic conditions of the poultry house. KVK scientists have encouraged the farmers to use scientific feeding, vaccination of birds, and antibiotic feeding in feed or water, which is necessary to check the incidence of outbreaks of diseases. Use various feed equipment for feeding and watering the poultry birds, and other implements required for cleaning and handling purposes. A weighing balance should be kept in the poultry house to weigh the birds to know the growth rate and body weight gain of the birds.

Output : The poultry outputs are all the products and byproducts that your poultry farm produces and you sell as a product. This includes chicks, manure (fertilizer), feathers (manufacture), spent hens (alternative meat source), and gunny bags (recycling to the construction industry).

Keep a constant eye on the prevailing market prices and consumer expectations.

Outcome : Outcomes are an animal-based method of assessing factors that contribute to an animal's quality of welfare. Regularly scoring appropriate outcome measures can identify welfare problems and be used to set targets or benchmarks for improvements through an active programme. Selection of the main measures recommended.

- Assess the walking ability of the flock: Poor walking ability indicates potential pain and behavioural restriction. Causes are multifactorial, but primary risk factors are high growth rate (breed) and poor environmental control.
- Record the number of birds dead or culled on farm and the major causes: Mortality is largely due to poor walking ability, metabolic disorders (e.g. ascities, cardiovascular distress), small birds or disease, and indicates pain, suffering and suboptimal performance.
- Record incidence and severity of foot pad dermatitis and hock burn of the flock: Wet litter, genetic susceptibility and micro-nutrient deficiencies are primary causes of foot pad dermatitis, which can be painful, lead to bacterial infection and affect walking ability. Fast growth rate strains are more susceptible to hock burn due to increased inactivity and contact with the litter
- Assess the level of dirt coverage on the feathers of individuals in the flock: Feather cleanliness is a positive indicator of environmental conditions in the house and indicates that birds are not spending excessive periods resting due to inactivity.
- Record incidence and severity of breast blisters: Breast blisters/skin irritation are caused by prolonged contact with wet and dirty litter; other factors, including health, diet, and perch material, also play a role. Since breast blisters can be more common in slower-growing strains with a sharp keel, they should be closely monitored and managed through good husbandry and adequate environmental provisions.
- Behavioural signals (see below), movement patterns, flock distribution and space usage: Broilers can spend more than 80% of their time lying inactive by 39 days, largely caused by physiological restrictions associated with fast growth and a non-stimulating environment. Low activity is associated with poor walking ability and indicates a lack of behavioural expression. Automated monitoring of optic flow movement and distribution provides an early warning system for flocks with higher

mortality, hockburn and poorer gait, and issues with feeders, drinkers, heating and ventilation.

Impact : Mr. Shivam Kumar is becoming one of the progressive farmers for others with regard to popularization of broiler poultry farming. This farming helps him to increase his livelihood, empowerment and make him enthusiastic regards broiler production. He becomes a progressive farmer after joining the training that is conducted at KVK regarding organized poultry farming, and as a part of KVK activities & he improves their effectiveness and management technologies and sets an example to other farmers of the districts of Shahjahanpur.

Scientific Broiler Farming

SUCCESS STORY-17

Bio-Fortified Varieties of Crops for Nutritional Security and Getting Extra Income

Malnutrition has emerged as one of the most serious health issues worldwide. The consumption of an unbalanced diet, poor in nutritional quality, causes malnutrition. Deficiency of proteins, essential amino acids, vitamins and minerals leads to poor health and increased susceptibility to various diseases, which in turn lead to significant loss in farm family income and affect the socio-economic structure. The newly developed biofortified crop varieties, besides serving as an important source for livelihood to poor people, assume great significance in nutritional security and gaining extra income.

The KVK, Bijnor demonstrated newly released Biofortified varieties (Wheat-WB-02 & HPBW-01, DBW-187, DBW-173, Mustard : Pusa Double Zero Mustard-31, Lentil: L-4717) for getting extra income with nutritional security in comparison to other varieties.

Economics and Area Expansion of the Bio fortified varietiess

Demonstrated Technologies	Old Technologies	Productivity/Yield of the Crop (q/ha.)		Increase in Net Return (Rs./ha)	Expansion area (ha.)
		Old Tech.	Assessed Tech.		
Wheat (WB-02)	DBW-17	44.90	53.30	89372.50	4000
Wheat (HPBW-01)	DBW-17	44.90	52.50	81240.00	4800
Wheat (DBW-187)	DBW-17	44.90	71.00	119825.00	80500
Wheat (DBW-173)	DBW-16	38.50	46.62	72500.00	14700
Wheat (DBW-303)	HD-2967	47.50	55.00	96990.00	8500
Wheat (HD-3298)	PBW-226	38.00	42.75	74542.00	4200
Mustard (PM-31)	PYS-01	11.37	17.33	108640.00	1500
Mustard (PM-30)	PYS-01	11.37	15.50	94000.00	650
Mustard (PM-32)	PYS-01	11.37	16.50	102000.00	750
Mustard (PM-33)	PYS-01	11.37	20.00	130000.00	2200
Lentil (L-4717)	NL-1	9.03	14.86	28869.00	610

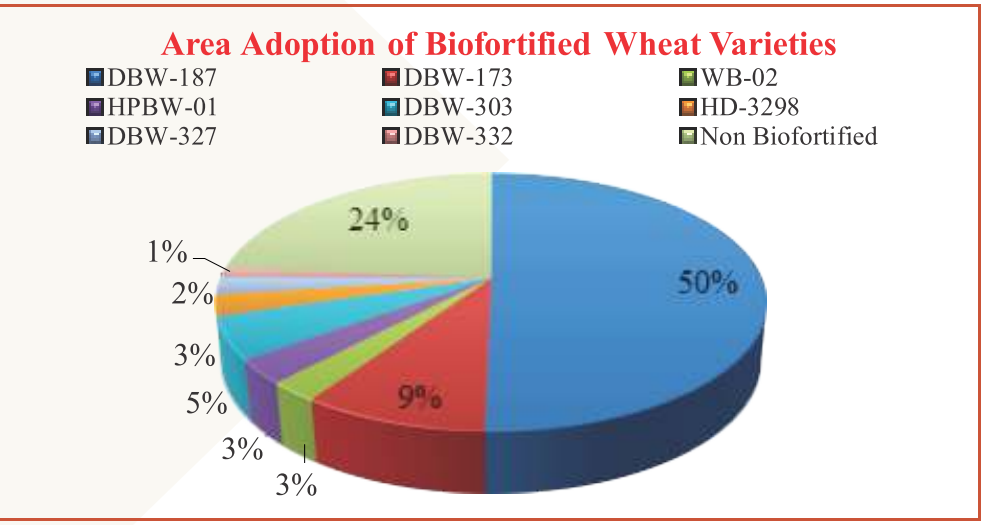
Bio-fortified varieties of crops

(i) Horizontal Spread of Biofortified Wheat Varieties in District Bijnor

Year	Initial Interventions			Lateral Spread in new areas		
	Area (ha)	No. of villages	No. of farmers	Area (ha)	No. of villages	No. of farmers
2017-18	2.0	5	5	-	-	-
2018-19	5.0	8	25	250.0	44	80
2019-20	7.0	12	35	2600.0	110	550
2020-21	9.2	18	72	11350.0	665	915
2021-22	6.9	21	69	65200.00	1780	8510
2022-23	4.5	10	30	95080.00	2500	15500
2023-24	5.0	15	35	122280.00	3000	45000

Varietal Adoption (ha) of Biofortified Wheat Varieties in District Bijnor

Name of Variety	Adoption (ha)
DBW-187	80500
DBW-173	14700
WB-02	4000
HPBW-01	4800
DBW-303	8500
HD-3298	4200
DBW-327	3500
DBW-332	1800
Non Biofortified	38000

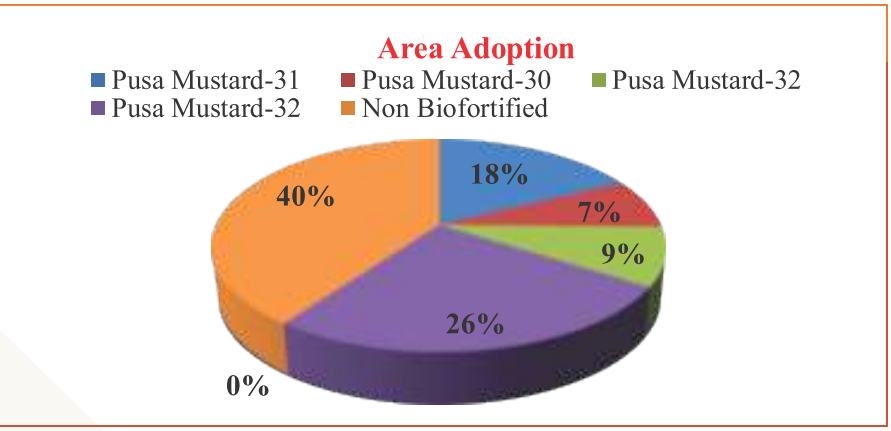


(ii) Horizontal Spread of Biofortified Mustard Varieties in District Bijnor

Year	Initial Interventions			Lateral Spread in new areas		
	Area (ha)	No. of villages	No. of farmers	Area (ha)	No. of villages	No. of farmers
2018-19	6.0	10	30	--	--	--
2019-20	6.0	13	30	580.0	215	410
2020-21	5.2	10	22	910.0	735	1100
2021-22	11.2	20	37	3350.00	1120	3510
2022-23	10.00	15	25	3500	1250	3840
2023-24	30.00	25	75	5100	1800	5200

Varietal Adoption (ha) of Biofortified Mustard Varieties in District Bijnor

Name of Variety	Adoption (ha)
Pusa Mustard-31	1500
Pusa Mustard-30	650
Pusa Mustard-32	750
Pusa Mustard-33	2200
Non Biofortified	3400

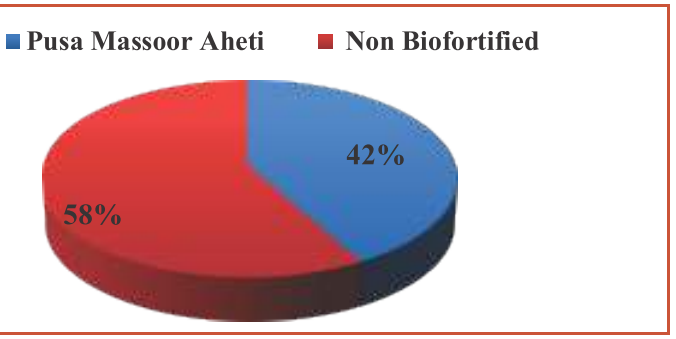


(iii) Horizontal Spread of Biofortified Lentil Varieties in District Bijnor

Year	Initial Interventions			Lateral Spread in new areas		
	Area (ha)	No. of villages	No. of farmers	Area (ha)	No. of villages	No. of farmers
2018-19	1.0	08	10	0	0	0
2019-20	2.0	08	10	210.0	40	80
2020-21	5.0	12	20	450.0	85	120
2021-22	10.0	14	25	610.0	140	213
2022-23	20.0	18	50	625.0	152	283

Varietal Adoption (ha) of Biofortified Lentil Varieties in District Bijnor

Name of Variety	Adoption (ha)
Pusa MassoorAheti	610
Non Biofortified	840



SUCCESS STORY-18

Mustard Variety PUSA Mustard -33: A Successful Cultivation

Shri Subham Kumar S/o Mahendra Singh

Village : Budhawala,

Block : Kotwali

District : Bijnor

Age : 27 Years

Background information about farmer field : Mr. Subham Kumar is progressive farmer. He cultivates Rice, Wheat, Mustard and Pulses, but he faced low income due to the low price of their produce. He has a land holding of 1.75 ha.

Details of technology demonstrated : Double Zero variety Pusa Mustard-33 for timely sown irrigated conditions with average seed yields of 26.44 q/ha. The seeds are medium-sized (3.9 g/1000 seeds) with 38.0% oil content. It matures in about 141 days. It has both erucic acid (<2% and glucosinolate (<30 ppm) content as per international standards, making the oil as well as seed meal better for both human beings and animals.

Institutional Involvement : The area under Mustard is about 10,000 to 15, 000 ha in district Bijnor. Commonly grown Mustard varieties are PYS-1, YSH-0401 and other privet sector varieties. Pusa Mustard-33 variety was developed and released by IARI, New Delhi during 2022 and was introduced and demonstrated by KVK Bijnor during Rabi-2022.

Success Point : This technology may be capable of increasing the extra net return of farmers due to higher yield and higher enrichment with low erucic acid and low glucosinolate, resulting in better quality of oil compared to other varieties. The area under this variety has now spread to more than 3500 ha in just two years.

Farmer Feedback

- Farmers like the Mustard variety PM-33 very much due to its high yield and high nutritional quality compared to other Mustard varieties.
- Disease incidence in PM-33 is not seen, while it is about 7-15% in the Check variety.
- Market potential of PM-33 is better than other mustard varieties due to their high demand.

Outcome Yield (q/ha) : The average yield at farmer field was 22.50 qt per ha with a cost of cultivation of Rs. 33500.00 per ha. The average net profit per hectare was recorded as Rs. 112750.00 per ha.

Potential yield of variety/ technology : 26.44 qt. ha

District average (Previous year) : 14.11

State average (Previous year) : 12.90

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C Ratio
Farmer practices	12.50	31500.00	81250.00	49750	2.57
Demonstration	22.50	33500.00	146250.00	112750.00	4.36
% Increase	80.00	--	--	--	--

Performance of technology vis-a-vis local check (Increase in productivity and returns)

SUCCESS STORY-19

Kitchen Gardening: Improve Nutritional Security and Supplements House Hold Income

Kitchen gardens are cost-effective, practical and easily meet the balanced dietary requirements of rural households as well as add substantially to the family income. Crops are selected considering the prevailing food habits and climatic conditions of the implementation areas, and with the larger goal of ensuring the availability of wholesome and nutritious food.

In 2023, Krishi Vigyan Kendra, Babugarh, conducted Front Line Demonstration on Kitchen Garden. In these demonstrations, distribute seeds and planting material of 10 types of vegetables.

Smt. Sadhana, a progressive farm woman of kitchen garden initiative and a resident of Atuta Village in Hapur District, says, "apart from an increase in income, the kitchen garden initiative also helped me to ensure food security and improve the nutrition status of my family. Regular intake of nutrient-rich vegetables like Bhindi, Lauki and Kheera increases energy levels and efficiency in work."

KVK Intervention

Krishi Vigyan Kendra promotes a small kitchen garden (150 sqm) with an aim to improve nutrition security and supplement household income. Motivate farm women through training, lectures and practical work to adopt the Kitchen Garden.

Output

Particulars	Yield (q/ha)	Gross Cost (Rs./ha)	Gross Return (Rs./ha)	Net Return (Rs./Unit)	B:C Ratio	Other Parameters
Demonstration	258.7	636	8174	7538	12.9	Availability of maximum fresh veg.
Local Check	97.3	369	1902	1533	5.15	Availability of least fresh vegetable

Economic Benefits : Kitchen gardens help to increase household income either by the sale of the food products grown in the gardens or by the consumption of the same food items that the families would have otherwise purchased from markets, using a significant portion of the family income. Krishi Vigyan Kendra provided vegetable seeds and planting materials to 15 families. The vegetables in the kitchen garden harvested for approximately 75-80 DAS, saving Rs 60 per day for each family on an average. This ultimately led to a saving of approximately Rs 7538 per family.

Social Benefits : Kitchen gardens directly contribute to household food security by increasing the availability, accessibility, and utilization of food products. Food items produced in kitchen gardens add to the family nutrition substantially, which directly leads to a reduction of food insecurity.

SUCCESS STORY-20

WOMEN EMPOWERMENT

Kitchen gardening helped women to develop proficiency in vegetable cultivation to some extent, which in turn helps them become better home and environment managers and meet the needs of their families more easily and economically. This enhances their status within the family and in society at large as well.

Kitchen gardens can also be a very good option for pregnant women who are not supposed to do heavy manual field work or spend long hours with insufficient food intake in order to ensure the physical safety of the mother and the child. Additionally, the newborn infants need regular breastfeeding and attention. After six months, a child needs more than breast milk alone and complementary foods need to be provided. Being at home during these months, investing time in kitchen gardening, thus provides women with income generation to some extent; also, nutrient-richkitchen garden products have the potential to ensure food and nutritional safety of growing children.

Environmental Gains : The majority of the households, who are progressive farm women of the kitchen garden initiative in Atuta, use organic methods of cropping, including organic manure. Lesser dependence on chemical fertilizers and pesticides automatically makes kitchen gardening an environmentally friendly initiative.

In addition to this, kitchen gardens provide environmentally sound opportunities for waste disposal. Composting is commonly used for household wastes including kitchen waste, paper, and even animal waste, which are used to enrich the soil.

Kitchen gardens serve as an eco-friendly and sustainable agricultural practice to improve food security and enhance the economic growth of rural households in Atuta Village. In times of increasing food prices, the kitchen gardening practice has the potential to directly address the areas of nutrition and food security, income generation and an alternate livelihood creation for the household as well as empowerment of women, in the long run, in rural areas.

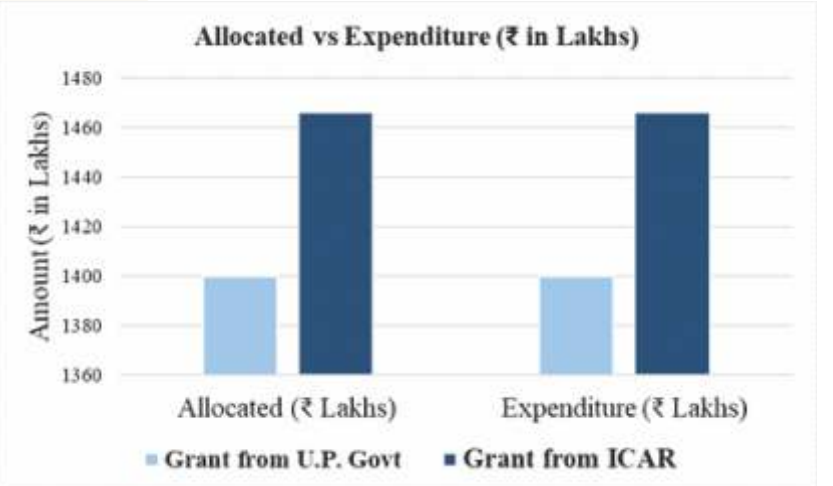
DIGNITARY VISITS

Several esteemed dignitaries visited the University and its Krishi Vigyan Kendras (KVKs) during the reporting period, reflecting the institution's growing impact and recognition. The key visits are as follows :

- Hon'ble Governor of Uttar Pradesh, Smt. Anandiben Patel visited the University on 17th October 2023 and again on 21st February 2024.
- Shri Jaswant Singh Saini, Hon'ble Minister of Industrial Development, Government of Uttar Pradesh, visited on 26th August 2023.
- Shri Surya Pratap Shahi, Hon'ble Minister of Agriculture, Agriculture Education and Research, Government of Uttar Pradesh, visited KVK Bulandshahr on 23rd December 2023 and KVK Baghpat on 1st March 2024.
- Dr. Arun Kumar, Hon'ble Vice-Chancellor, Swami Keshwanand Rajasthan Agricultural University, Bikaner, Rajasthan, visited KVK Bulandshahr on 4th August 2023.
- Shri Devesh Chaturvedi, Additional Chief Secretary, Agriculture, Government of Uttar Pradesh, visited KVK Shamli on 8th September 2023.
- On 14th June 2024, Shri Surya Pratap Shahi, Hon'ble Minister of Agriculture, Agriculture Education and Research, U.P. Government, along with Shri Baldev Singh Aulakh, Hon'ble Minister of State for Agriculture, and Dr. Manoj Kumar Singh, Agricultural Production Commissioner, U.P., and Dr. K.K. Singh, Hon'ble Vice-Chancellor, visited the ODOP & FPO Cell.
- Shri Somendra Tomar, Hon'ble State Minister for Energy and Additional Sources of Energy, U.P. Government, visited the ODOP & FPO Cell on 22nd June 2024.
- Shri Shrichand Sharma, Hon'ble MLC, graced the District Kharif Gosthi as Chief Guest and Visited KVK G.B. Nagar on Ist August 2023.
- Shri J.P. Singh, District Magistrate, Baghpat, visited on 3rd September 2023.
- Hon'ble Chief Minister Shri Yogi Adityanath Ji and Shri Surya Pratap Shahi, Hon'ble Minister of Agriculture, Agriculture Education and Reasearch, U.P. Government, visited the KVK Shahjahanpur Stall during Shrianna Mahotsav, held from 27th to 29th October 2023 at Indira Gandhi Pratishthan, Lucknow.
- Smt. Sudha Khatik, Chairperson, Nagar Panchayat, attended the live telecast program of the releae of the 14th Kisan Samman Nidhi on 27th July 2023.
- Shri Deepak meena, District Magistrate of Meerut, participated in the Crop Residue Management Programme on 6th November 2023.
- Shri Amit Singh Negi, Chief Secretary, Jal Shakti Abhiyan, Government of India, visited on 28th June 2024.
- Shri Veerpal Nirwal, Jija Panchayat Adhyaksh, visited on 30th August 2023.
- Shri Sandeep Bagia, Chief Development Officer, Muzaffarnagar, visited KVK Muzaffarnagar on 4th October 2023.
- Shri Narender Singh, Block Pramukh, Jansath Muzaffarnagar, visited KVK Muzaffarnagar on 4th October 2023.

FINANCIAL REPORT OF THE UNIVERSITY

S.No.		Total Allocated Budget (Rupees in lakhs)	Expenditure (Rupees in lakhs)
A. Revenue			
1.	General	8855.00	8855.00
2.	Farm	297.50	309.00
3.	Education	2122.00	2117.00
4.	Projects(U.P)	1591.00	1591.00
5.	Projects (ICAR)	568.00	568.00
6.	Projects a. ICAR (75%) b. U.P. (25%)	 85.00 21.25	 85.00 21.25
7.	ICAR, Development Grant, Library, SCSP&NTS	935.00	935.00
8.	7th Pay ICAR Arrier	488.00	488.00
9.	KVK (Farm)	220.65	203.45
10.	KVK (ICAR)	5025.00	5025.00
11.	Projects KVK & other programmes	1603.00	1603.00
12.	CATET	70.00	66.60
	Total	**21881.40**	**21867.30**
A. Capital			
1.	Grant from U.P. Govt	1400.00	1400.00
2.	Grant from ICAR	1466.00	1466.00
	Total	**2866.00**	**2866.00**
	Grand Total	**24747.40**	**24733.30**



Annexure-I

HON'BLE MEMBERS OF THE BOARD OF MANAGEMENT

S.No.	Name and Designation	Address	Status
1.	Dr K.K. Singh, Vice Chancellor	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut	Chairman
2.	Hon'ble MLC, Member	Vacant	Member
3.	Sri Rajeev Kumar Singh Urf Babbu Bhaiya, Hon'ble MLA	Town and Post-Dataganj, District -Budaun	Member
4.	Sri Rafeek Ansari, Hon'ble MLA	44, Zaidi Farm, District- Meerut	Member
5.	Additional Chief Secretary, Agriculture	U.P. Government, Lucknow	Member
6.	Additional Chief Secretary, Finance	U.P. Government, Lucknow	Member
7.	Additional Chief Secretary, Higher Education	U.P. Government, Lucknow	Member
8.	Director, Agriculture	Agriculture Directorate, U.P. Lucknow	Member
9.	Director, Animal Husbandry	Animal Husbandry Directorate, U.P. Lucknow	Member
10.	Livestock Breeder	Vacant	Member
11.	Sri Abhay Dayal, Agriculture Industrialist	Gate No. 3, Thaparnagar, Dayal Industries, Meerut	Member
12.	Dr Sudhanshu Singh Agriculture Scientist	Director, IRRI, Campus, Varanasi	Member
13.	Sri Devvrat Tyagi Progressive Farmer	19B, Prem Vihari, Jansad Road, Muzaffernagar	Member
14.	Women Social Worker	Vacant	Member
15.	Dr Seema Jaggi Assistant Director General (HRD)	Indian Council of Agricultural Research, Krishi Anusandhan Bhawan-II, Pusa, New Delhi	Member
16.	Registered Graduate	Vacant	Member
17.	Sri Pankaj Kumar Chaturvedi Finance Comptroller	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut	Secretary

Annexure-II

MEMBERS OF THE ACADEMIC COUNCIL

List of the Academic Council Members (As per 91st AC Meeting)

S.No.	Name	Designation	Department	College
1	Dr. K.K. Singh	Vice Chancellor	Chairman	-
2	Smt. Laxmi Mishra	Finance Comptroller	-	-
3	Dr. B.R. Singh	Dean College of Technology/HOD	Agricultural Engineering	College of Technology
4	Dr. Vivek	Dean, College of Agriculture	Agronomy	College of Agriculture
5	Dr. Anil Sirohi	Director Agri. Experiment Station	Division of Plant Biotechnology	College of Biotechnology
6	Dr. P.K. Singh	Director Extension	-	-
7	Dr. B.P. Dhyani	Dean PGS	Soil Science	College of Agriculture
8	Dr. Ravinder Kumar	Dean, College of Biotechnology	Division of Plant Biotechnology	College of Biotechnology
9	Dr. Bijender Singh	Dean, College of Horticulture	Vegetable Science	College of Horticulture
10	Dr. Rajeev Singh	Dean, College of Veterinary and Animal Sciences	Veterinary Microbiology	College of Veterinary and Animal Sciences
11	Dr. D.K. Singh	Dean Student Welfare	Livestock Product Management	College of Veterinary and Animal Sciences
12	Dr. Archana Arya	Dean, College of Post Harvest Technology & Food Processing	Basic Science	College of Agriculture
13	Dr. H.L. Singh	Professor and HOD	Agril. Economics	College of Agriculture
14	Dr. L.K. Gangwar	Professor and HOD	Genetics and Plant Breeding	College of Agriculture
15	Dr. Sunil Malik	Professor and HOD	Horticulture	College of Agriculture
16	Dr. Kamal Khilari	Professor and HOD	Plant Pathology	College of Agriculture
17	Dr. Gaje Singh	Professor and HOD	Entomology	College of Agriculture
18	Dr. L.B. Singh	Professor and HOD	Agril. Extension and Education	College of Agriculture
19	Dr. Prerna Sharma	Professor and HOD	Basic Science	College of Agriculture
20	Dr. Satendra Kumar	Professor and HOD	Soil Science	College of Agriculture
21	Dr. S.P. Yadav	Professor and HOD	Animal Husbandry	College of Agriculture
22	Dr. Pooran Chand	Senior Professor	Genetics and Plant Breeding	College of Agriculture

23	Dr. Nazim Ali	Senior Professor	Animal Husbandry	College of Agriculture
24	Dr. D.K. Singh	Senior Professor	Agril. Extension and Education	College of Agriculture
25	Dr. Gopal Singh	Senior Professor	Plant Pathology	College of Agriculture
26	Dr. Atar Singh	Senior Asstt. Professor	Genetics and Plant Breeding	College of Agriculture
27	Dr. Satya Prakash	Professor and HOD	Vegetable Science	College of Horticulture
28	Dr. Mukesh Kumar	Professor and HOD	Floriculture and Landscape	College of Horticulture
29	Dr. Arvind Kumar	Professor and HOD	Fruit Science	College of Horticulture
30	Dr. Satendra Kumar	Senior Professor	Floriculture and Landscape	College of Horticulture
31	Dr. Manoj Kumar Singh	Senior Professor	Vegetable Science	College of Horticulture
32	Dr. Hariom Katiyar	Senior Assoc. Professor	Vegetable Science	College of Horticulture
33	Dr. Pankaj Kumar	Professor and HOD	Section of Bioinformatics	College of Biotechnology
34	Dr. Pushpendra Kumar	Professor and HOD	Division of Microbial and Environmental Biotechnology	College of Biotechnology
35	Dr. R.S. Sengar	Professor and HOD	Division of Plant Biotechnology	College of Biotechnology
36	Dr. Amit Kumar	Professor and HOD	Division of Animal Biotechnology	College of Biotechnology
37	Dr. Rekha Dixit	Senior Professor	Microbial and Environment Biotechnology	College of Biotechnology
38	Dr. Vaishali	Senior Professor	Division of Plant Biotechnology	College of Biotechnology
39	Dr. Sandeep Kumar	Senior Assoc. Professor	Microbial and Environment Biotechnology	College of Biotechnology
40	Dr. Neelesh Kapoor	Senior Asstt. Professor	Division of Plant Biotechnology	College of Biotechnology
41	Dr. Amit Kumar	Professor and HOD	Livestock Production Management	College of Veterinary and Animal Sciences
42	Dr. Vivek Malik	Professor and HOD	Veterinary Surgery and Radiology	College of Veterinary and Animal Sciences
43	Dr. Devasish Roy	Professor and HOD	Animal Nutrition	College of Veterinary and Animal Sciences
44	Dr. R.K. Singh	Professor and HOD	Veterinary Physiology and Biochemistry	College of Veterinary and Animal Sciences
45	Dr. Veer Pal Singh	Professor and HOD	Livestock Product Technology	College of Veterinary and Animal Sciences
46	Dr. Prabhaker Kumar	Professor and HOD	Veterinary Anatomy	College of Veterinary and Animal Sciences
47	Dr. Manish Sukla	Professor and HOD	Animal Reproduction Gynaecology and Obstetrics	College of Veterinary and Animal Sciences
48	Dr. Amit Kumar Verma	Professor and HOD	Veterinary Medicine	College of Veterinary and Animal Sciences

49	Dr. Kuldeep Tyagi	Professor and HOD	Animal Genetics and Breeding	College of Veterinary and Animal Sciences
50	Dr. Aamir Khan	Professor and HOD	Veterinary Extension Education	College of Veterinary and Animal Sciences
51	Dr. Aarti Bhatele	Senior Professor	Veterinary Pathology	College of Veterinary and Animal Sciences
52	Dr. Tarun Sarkar	Senior Professor	Veterinary Medicine	College of Veterinary and Animal Sciences
53	Dr. Vijay Singh	Senior Professor	Animal Reproduction Gynaecology and Obstetrics	College of Veterinary and Animal Sciences
54	Dr. Rachana Verma	Senior Professor	Veterinary Pharmacology and Toxicology	College of Veterinary and Animal Sciences
55	Dr. P.S. Maurya	Senior Asstt. Professor	Veterinary Parasitology	College of Veterinary and Animal Sciences
56	Dr. Jaivir Singh	Senior Professor	Irrigation and Drainage Engg.	College of Technology
57	Dr. Vivak Kumar	Senior Professor	Farm Machinery and Power Engg.	College of Technology
58	Er. Deepak Mishra	Senior Assoc. Professor	Soil and Water Conservation Engg.	College of Technology
59	Dr. Ramji Singh	Registrar –Member Secretary Academic Council	Plant Pathology	College of Agriculture

Annexure-III

UNIVERSITY FINANCE COMMITTEE

S.No.	Name and Designation	Address	Status
1.	Dr K.K. Singh, Vice Chancellor	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut	Chairman
2.	Additional Chief Secretary, Agriculture/ or his Nominated Member	U.P. Government, Lucknow	Member
3.	Additional Chief Secretary, Finance /or his Nominated Member	U.P. Government, Lucknow	Member
4.	Additional Chief Secretary, Higher Education/or his Nominated Member	U.P. Government, Lucknow	Member
5.	Hon'ble Vice Chancellor Nominated Hon'ble Board of Management Member	-	Member
6.	Director General	Uttar Pradesh Council of Agricultural Research (UPCAR)	Member
7.	Sri Pankaj Kumar Chaturvedi Finance Comptroller	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut	Secretary/Member

Annexure-IV

EXTENSION COUNCIL MEMBERS

S.No.	Name	Designation
1	Dr. K.K. Singh	Hon'ble Vice Chancellor
2	Sh. Pankaj Kumar Chaturvedi	Finance Comptroller
3	Dr. Ramji Singh	Registrar
4	Dr. B.R. Singh	Dean, College of Technology
5	Dr. Kamal Khilari	Director Research
6	Dr. Vivek	Dean, College of Agriculture
7	Dr. Ravindra Kumar	Dean, College of Biotechnology
8	Dr. Bijendra Singh	Dean, College of Horticulture
9	Dr. Archana Arya	Dean, College of Post Harvest Technology
10	Dr. T.K. Sarkar	Dean, College of Veterinary & Animal Science
11	Dr. Pankaj Kumar	OSD, College of Sugarcane Technology
12	Dr. B.P. Dhyani	Dean, PGS
13	Head of Departments, College of Biotechnology, Division of Plant Biotechnology, Division of Microbial and Environmental Biotechnology, Bioinformatics Section and Division of Animal Biotechnology (04)	
14	Head of Department, College of Horticulture, Floriculture and Landscaping, Fruit Science and Vegetable Science (03)	
15	Head of Departments, College of Technology, Department of Farm Machinery and Power Engineering, Process and Food Engineering, Soil and Water Conservation Engineering (03)	
16	Head of Departments, College of Veterinary and Animal Sciences, Departments of Animal Genetics and Breeding, Veterinary Pharmacology and Toxicology, Veterinary and Animal Extension Education, Veterinary Physiology and Biochemistry, Veterinary Parasitology, Animal Nutrition, Veterinary Gynaecology and Obstetrics, Veterinary Public Health and Epidemiology, Veterinary Pathology, Livestock Products Technology, Livestock Production and Management, Veterinary Anatomy, Veterinary Surgery and Radiology, Veterinary Microbiology, Veterinary Medicine (15)	
17	Head of Departments, College of Agriculture, Departments of Genetics and Plant Breeding, Entomology, Agricultural Economics, Agriculture Biotechnology, Agricultural Extension and Communication, Animal Husbandry, Plant Pathology, Soil Science and Agricultural Chemistry, Agronomy (09)	
18	Padamshri Chandra Shekhar Singh Ji C-26/31, Jagatganj, Ramkatora Road, Varanasi-221001	
19	Sri Devvrat Tyagi 19-B, Prem Vihar, Jansath Road, Muzaffernagar	
20	Dr R.K.Singh Indian Council of Agricultural Research, Pusa, New Delhi	

21	Dr Randheer Singh Former Assistant Director General (Agriculture Extension) 1619, Sector-9, Urban State, Karnal, Haryana-132001
22	Dr Sanjay Singh Director General Uttar Pradesh Council of Agricultural Research, Lucknow
23	Dr Vineet Kumar Deputy Director, Horticulture Circuit House, Meerut
24	Sri Amarnath Tiwari Joint Director, Agriculture Krishi Bhawan (Near Mandi) Partapur, Meerut
25	Dr Harendra Kumar Deputy Director, Fisheries A-1, Shrdapuri, Phase-2, Kankerkhera, Meerut-250001
26	Dr Rajendra Sharma Additional Director Grade-2 Department of Animal Husbandry 176, Abulane, Meerut
27	Sri Rajeev Kumar Singh Ji Hon'ble Member of Legislative Assembly (MLA) Dataganj, Budaun
28	All Chairmans and Officer Incharges Krishi Vigyan Kendra, SVPUAT, Meerut

Annexure-V

OFFICERS OF THE UNIVERSITY

S.No.	Name	Designation
1	Dr. K.K. Singh	Hon'ble Vice Chancellor
2	Sh. Pankaj Kumar Chaturvedi	Finance Comptroller
3	Dr. Ramji Singh	Registrar
4	Dr. B.R. Singh	Dean, College of Technology
5	Dr. Kamal Khilari	Director Research
6	Dr. Vivek	Dean, College of Agriculture
7	Dr. Ravindra Kumar	Dean, College of Biotechnology
8	Dr. Bijendra Singh	Dean, College of Horticulture
9	Dr. Archana Arya	Dean, College of Post Harvest Technology & Food Processing
10	Dr. T.K. Sarkar	Dean, Representative, College of Veterinary & Animal Science
11	Dr. Vijay Singh	Dean Representative, College of Veterinary & Animal Science
12	Dr. Pankaj Kumar	OSD, College of Sugarcane Technology
13	Dr. B.P. Dhyani	Dean, PGS
14	Dr. P.K Singh	Director Extension
15	Dr. D.K Singh	Dean Students Welfare

Annexure-VI

FACULTY APPOINTMENTS

S.No.	Name	Designation	Selected Candidate Category	Date of Birth	Date of Joining
College of Veterinary and Animal Sciences					
1	Dr. Prem Sagar Maurya	Associate Professor (Veterinary Parasitology)	OBC	22.08.1978	29.02.2024
2	Dr. Anil Patyal	Associate Professor (Veterinary Public Health and Epidemiology)	UR	12.04.1984	07.03.2024
3	Dr. Vikas Sachan	Associate Professor (Veterinary Clinical Complex)	OBC	04.04.1984	15.03.2024
4	Dr. Piyush Tomar	Assistant Professor (Veterinary Public Health & Epidemiology)	UR	01.07.1992	28.03.2024
College of Technology					
5	Dr. Rahul Kumar	Associate Professor (Chemical Engineering and Nano Technology)	UR	09.08.1995	02.03.2024
6	Dr. Vineet Kumar Sharma	Associate Professor (Farm Machinery and Power Engineering)	UR	05.03.1987	05.03.2024

Annexure-VII

FACULTY SUPERANNUATION

S.No.	Name	Designation	Date of Superannuation
1	Dr. Krishna Gopal Yadav	Associate Professor (Agronomy)	31-05-2024
2	Dr Anil Sirohi	Professor (MBGE)	30-06-2024

IMPORTANT NOTES

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University

ACTIVITIES

सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय,
मेरठ, उत्तर प्रदेश

Design n Print @ # 09837229878, 09412781858