

CENTRAL UNIVERSITY OF HARYANA

NAAC Accredited 'A' Grade University

ANNUAL REPORT 2024-25



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2024-2025



CENTRAL UNIVERSITY OF HARYANA
(NAAC Accredited 'A' Grade University)

Mahendergarh, Haryana-123031

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कुलगीत

विद्याधनं सर्वधनप्रधानम् ।

न चौरहार्यं न च राजहार्यं, न भ्रातृभाज्यं न च भारकारि ।
व्यये कृते वर्धत एव नित्यं , विद्याधनं सर्वधनप्रधानम् ॥

शिक्षा-दीक्षा की परंपरा से, राष्ट्र का हुआ सदा उत्थान ।
कौशल और नव-सृजन से, सजा हुआ गौरव अभियान ॥

ज्ञान-विज्ञान की शक्ति से हम, नव-मंडल में हुए स्थापित ।
सीखा है इतिहास से हमने, नव-तकनीकों में हुए समाहित ॥

संस्कारों की शक्ति को जब, लिया है युवा ने पहचान ।
हम सब बनें राष्ट्र के रक्षक, आओ करें नव-भारत निर्माण ॥

कला-योग-विज्ञान-विधि का, विश्वविद्यालय देता ज्ञान ।
तन-मन और जीवन-शुचिता का, देता है यह शुभ वरदान ॥

जन्म लेकर जिस धरा पर, शौर्य करता शीश बलिदान ।
अपनी मेहनत से माटी को, सोना कर दे जहाँ किसान ॥

हर की धरा हरियाणा पर, स्थापित अपना कुल महान् ।
शिक्षा और स्वावलंबन, आओ ऐसे कुल को करें प्रणाम ॥

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Prof. (Dr.) Tankeshwar Kumar

Vice-Chancellor

FROM THE DESK OF THE VICE-CHANCELLOR

It is with immense pride and a profound sense of gratitude that I present this Annual Report 2024-2025—a year that has truly exemplified our motto of Vidya Dadati Vinayam (Knowledge Bestows Humility). As we reflect on the strides taken during this transformative period, it becomes evident that our collective commitment to excellence in teaching, research, and societal outreach has not only sustained but elevated our institution to new heights. In a rapidly evolving educational landscape, guided by the principles of the National Education Policy (NEP) 2020, Central University of Haryana (CUH) has emerged as a beacon of multidisciplinary learning and innovation, fostering holistic development among our youth.

This fiscal year has been marked by remarkable achievements that underscore our dedication to academic rigor and institutional growth. Our unwavering focus on NEP implementation reached a pivotal phase, with the seamless integration of flexible curricula, multidisciplinary programs, and skill-based electives across undergraduate and postgraduate offerings. We successfully onboarded over 1850 students for the 2024-25 academic session, expanding access to underrepresented communities and enhancing our diversity quotient from Scheduled Castes, Scheduled Tribes, and Other Backward Classes.

In the realm of research and innovation, CUH faculty and scholars produced over 640 peer-reviewed publications, secured grants exceeding ₹11.00 crores from national agencies like UGC, DST, and ICSSR, and hosted the inaugural Advances in Materials

and Interdisciplinary Sciences (AIMS-2025) international conference in February 2025. Our emphasis on translational research yielded practical outcomes, including the development of low-cost water purification technologies deployed in local villages, reinforcing our role as a socially responsive university.

To promote academic and research collaboration, CUH entered into 7 Memoranda of Understanding (MoUs) with distinguished national and international institutions. These partnerships have facilitated joint research, student exchange, and employment opportunities. The University has also actively participated in key initiatives of the Ministry of Education and the University Grants Commission, including GIAN and MOOCs, aimed at advancing global academic engagement and innovation in teaching and learning.

Financially, the University has demonstrated stability and growth, maintaining a balanced budget while achieving commendable progress in resource mobilization. Substantial grants and partnerships were secured during this period, providing strong support for academic and infrastructural development.

Rankings and accolades further validated our trajectory. In October 2024, CUH was honored with the prestigious FICCI Higher Education Excellence Award in the Emerging University of the Year category, recognizing our innovative pedagogical reforms. By March 2025, we clinched the top spot among Haryana's universities and 8th position nationally in the EW India Higher Education Rankings 2024-25 for Top Performing Universities, while securing 29th overall in the multidisciplinary category—our highest ever. These milestones build on our NAAC 'A' accreditation and University's appearance in the Times Higher Education (THE) world ranking band of 1001 - 1200, affirms CUH's ascent among India's premier central universities.

Infrastructure developments have been equally instrumental in nurturing a conducive learning environment. The completion of Phase II of the Kalpana Chawla Girls' Hostel in July 2024 added extra beds, promoting gender equity and residential facilities. Our green campus, now equipped with solar-powered smart classrooms and an advanced Earthquake Monitoring System, exemplifies sustainable practices.

The establishment of the Centre of Innovation and Incubation supported various student startups, fostering entrepreneurship and aligning with Atmanirbhar Bharat. Extracurricular vibrancy shone through events like Nutrition Month 2025, which engaged participants in health-awareness workshops, and robust placement drives that achieved an excellent placement rate, with top recruiters including TCS, Infosys, and HDFC Bank offering handsome packages.

Presently, two major infrastructural projects, namely, Central Library and an auditorium with a seating capacity 1200, are under construction.

Central Library: The construction of the Central Library is in progress at an estimated cost of ₹30.57 crore. The project has been entrusted to the Central Public Works Department (CPWD), and more than 50% of the work has already been completed. Upon completion, the Central Library will serve as a valuable academic resource, greatly benefiting students and faculty members.

Auditorium of 1200 Seating Capacity: An Auditorium with a seating capacity of 1200 persons is under construction at an estimated cost of ₹35.52 crore. The project has been entrusted to the Central Public Works Department (CPWD), and more than 50% of the work has already been completed. Upon completion, this state-of-the-art facility will enable the University to organize large-scale events and programmes.

As we reflect on the accomplishments of 2024–25, I extend my heartfelt appreciation to our dedicated faculty, non-teaching staff, research scholars, and students for their unwavering commitment and contribution. Together, we are shaping CUH into a vibrant institution that embodies the values of excellence, equity, and service.

Moving forward, we reaffirm our dedication to the University’s guiding motto — “*Sa Vidya Ya Vimuktaye*” — “That is true knowledge which liberates.” Guided by this vision, CUH will continue to strive for academic distinction, innovative research, and meaningful societal impact.

Jai Hind

(Prof. (Dr.) Tankeshwar Kumar)

MAJOR ACADEMIC AND RESEARCH CONTRIBUTIONS OF THE VICE-CHANCELLOR

Some of the major achievements of Prof. (Dr.) Tankeshwar Kumar, the Hon'ble Vice-Chancellor for the period from 1 April 2024 to 31 March 2025 includes:

Publications:

- Singh R.; Jamdagni P.;Kumar A.;Tankeshwar K.;Pandey R. Advances in computational design of van der Waals heterostructures for photocatalytic water splitting Review Journal of Materials Chemistry A, Volume 13, Year 2025, Pages 27855-27906 DOI:10.1039/d5ta02722e
- Jamdagni P.; Kumar A.;Srivastava S.;Pandey R.;Tankeshwar K. Janus PtSSe-based van der Waals heterostructures for direct Z-scheme photocatalytic water splitting Article International Journal of Hydrogen Energy, Volume 66, Year 2024, Pages 268-277 DOI:10.1016/j.ijhydene.2024.04.118
- Verma N.; Jamdagni P.;Kumar A.;Srivastava S.;Tankeshwar K. Recent advances in 2D anode materials for Na-ion batteries from a theoretical perspective, Review Critical Reviews in Solid State and Materials Sciences, Volume 49, Year 2024, Pages 931-972, DOI:10.1080/10408436.2023.2273465
- Nehra M.; Dilbaghi N.;Kumar R.;Srivastava S.;Tankeshwar K.;Kim K.H.;Kumar S., Review Critical Reviews in Environmental Science and Technology, Volume 54, Year 2024, Pages 185-209, DOI:10.1080/10643389.2023.2224614
- Pooja Jamdagni, Ashok Kumar, Sunita Srivastava, Ravindra Pandey and Tankeshwar Kumar (2024). Janus PtSSe-based van der Waals heterostructures for direct Z-scheme photocatalytic water splitting, International Journal of Hydrogen Energy, 66, 268-277.

Membership of Academic/Professional Bodies/Others:

- Governor/Chancellor's Nominee on the Executive Council, Chaudhary Bansi Lal University, Bhiwani, Haryana (2024-2026)

Central University of Haryana

- Governor/Chancellor's Nominee on the Academic Planning Board, Kurukshetra University, Kurukshetra, Haryana (2023-2025)
- Governor/Chancellor's Nominee on the Academic Planning Board, Maharshi Dayanand University, Rohtak, Haryana (2024-2027)
- Governor/Chancellor's Nominee on the Academic Planning Board, Gurugram University, Gurugram, Haryana (2023-2025)
- Governor/Chancellor's Nominee on the Planning Board, Shri Vishwakarma Skill University, Dudhola, Palwal, Haryana (2024-2026)
- Governor/Chancellor's Nominee on the Court, Chaudhary Bansi Lal University. Bhiwani, Haryana (2022-2025)
- Member, Planning Board, Guru Jambheshwar University of Science & Technology, Hisar, Haryana (2024-2026)
- Member, Executive Council, Shri Vishwakarma Skill University, Dudhola, Palwal, Haryana (2023-2025)
- Member, Executive Council to the Finance Committee, Central University of Punjab, Bhatinda. (2023-2026)
- Life time member of L.Sc. Congress, IPA, IAPT, PASC
- Member, Bhartiya Bhasha Samvardhan Samiti (Dogri) by UGC.

Awards/Honours:

- Outstanding Leadership Award for the year 2024 by Collegedunia Team
- Jury Award for Transformational Impact – 2024 by India Didactics Association
- Education Leadership Award – 2024 (World Education Congress Awards)
- ITSr Foundation Award 2024 by Institute of Technical and Scientific Research.

Recruitment and CAS Promotions of Faculty (2024-25):

➤ Teaching:

- Appointed 14 teachers on regular basis.

- Promoted 43 teachers under CAS
- Non-Teaching:
 - Appointed 26 non-teaching Officers/Employees (including 1 absorption) on regular deputation basis.
 - Promoted 4 non-teaching Employees.

Others:

- In October, 2024, The University was honored with the prestigious FICCI award of University of the Year – Emerging.
- Phased Implementation of NEP-2020
- Centre for Distance and Online Education has been started.
- Signed 6 MoUs with Academic/Research Institutions including, Nakhon Ratchasima Rajabhat University (NRRU), Thailand (10.09.2024); Offset Printers' Association (26.09.2024); Telecommunications Consultants India Limited (TCIL) New Delhi; Haryana Knowledge Corporation Limited (HKCL), Panchkula; Indian Institute of Packaging (IIP), Delhi, etc.
- An amount of Rs. 273.47 Crores has been received from HEFA, for various infrastructural projects.
- Inauguration of Gymnasium in Pali, Mahendragarh.
- Synthetic Track, Central Library and Auditorium of the capacity of 1200 is under construction in the Campus.
- Provided Gymnasium and other facilities to all the Girls' and Boys' Hostels.

THE UNIVERSITY LOGO



The logo of the university is thoughtfully conceived with a central globe encircled by a human chain and topped by a flying pigeon, embodying the institution's core belief that the commitments symbolized in the surrounding trinity of arcs will foster a free spirit, global peace, prosperity, and human solidarity—the true essence of education. This central motif is enveloped by three arcs representing a holy trinity of values: the bottom arc features an open book and a Veena, signifying the university's dedication to quenching the thirst for knowledge, learning, enlightenment, and the promotion of art and culture; the right arc illustrates processes of science, technology, and adventure, highlighting a commitment to cultivating scientific temper, an inquiring mindset, and a culture of creativity and innovation for holistic development; while the left arc depicts elements of nature, underscoring the emphasis on value-based education, ethical conduct, respect for the environment, ecology, and harmonious living with the natural world. At the base of the emblem lies the profound shloka “Vidyadhanam Sarvadhanapradhanam” from Bhartrhari's Neeti Shatkam, which eloquently conveys that knowledge is the supreme and unrivalled wealth among all attainments, reinforcing the university's foundational philosophy that education transcends all material pursuits.

ABOUT THE UNIVERSITY

The University

The Central University of Haryana is one of the sixteen new Central Universities established by the Ministry of Human Resource Development, Government of India (GoI), in the XI Five-Year Plan (2007-2012) under the Central Universities Act, 2009, of the Parliament.

The University has been accredited with an 'A' Grade in the second cycle of the NAAC assessment and accreditation, conducted in August 2023. The University has been listed among the top 150-200 Universities in NIRF ranking. The University is fully funded by the University Grants Commission (UGC). Permanent Campus of the University is situated on 484 acres of land at Jant-Pali Villages, Mahendergarh district of Haryana from where CUH is running its academic operations.

Visitor of the University

Her Excellency, The President of India, Smt. Draupadi Murmu

Chancellor:

Vacant

Vice-Chancellor

Prof. (Dr.) Tankeshwar Kumar

Pro Vice-Chancellor

Prof. (Dr.) Pawan Kumar Sharma

Registrar

Prof. (Dr.) Suneel Kumar

Vision

To develop enlightened citizenship of a knowledgeable society for peace and prosperity of individuals, nation and the world, through promotion of innovation, creative endeavors, and scholarly inquiry.

Mission

To serve as a beacon of change, through multi-disciplinary learning, for creation of a knowledge community, by building a strong character and nurturing a value-based transparent work ethics, promoting creative and critical thinking for holistic development and self-sustenance for the people of India. The University seeks to achieve this objective by cultivating an environment of excellence in teaching, research and innovation in pure and applied areas of learning.

Objectives of the University

The objectives of the University are:

- To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit;
- To make special provisions for integrated courses in humanities, social sciences, science and technology in its educational programmes;
- To take appropriate measures for promoting innovations in teaching-learning process and interdisciplinary studies and research;
- To educate and train human resource for the development of the country;
- To establish linkages with industries for the promotion of science and technology;
- To pay special attention to the improvement of the socio-economic conditions and welfare of the people, through their intellectual, academic and cultural development.

Quality Statement

The Central University of Haryana upholds perseverance, determination, inquiry, ethical conduct, probity, transparency, accountability, continuous self-evaluation, and improvement as the cornerstones of all its endeavours. The University is firmly committed to promoting holistic and inclusive growth and contributing to the sustainable development of society through excellence in academics, research, and all other relevant and meaningful pursuits.

SPECIAL FEATURES OF THE UNIVERSITY

Curriculum Design and Delivery

Curricula are updated annually per UGC/NEP guidelines, vetted by industry experts and statutory bodies like Boards of Studies (BoS) and Academic Council. Key elements:

- I Vision for Multidisciplinary and Holistic Education:** Aligned with the National Education Policy (NEP) 2020, CUH has embarked on a comprehensive roadmap to promote interdisciplinary, multidisciplinary, and skill-oriented learning. Each department offers a diverse range of generic and open elective courses that allow students to explore subjects beyond their core disciplines. Courses such as Value Education, Yoga, the Indian Knowledge System, Indian Classical Literature, and the Glorious Past of India have been introduced to nurture ethical values and cultural awareness. The University's focus remains on developing holistic learning outcomes, blending academic excellence with creativity, innovation, and critical thinking.
- II Employability, Entrepreneurship, and Skill-Based Education:** To bridge the gap between academia and industry, CUH integrates skill-based and value-added courses into every academic programme. Students are required to complete internships in industry or research institutions as part of their curriculum to enhance employability and practical exposure. The Department of Vocational Studies and Skill Development offers three B.Voc. programmes—Retail and Logistics Management, Biomedical Sciences, and Industrial Waste Management—initiated under the Deen Dayal Upadhyay Kaushal Kendra Scheme. These programmes aim to foster entrepreneurship, technical proficiency, and sustainable practices such as waste-to-wealth conversion.
- III Internationalization and Global Academic Networking:** In pursuit of global excellence, CUH promotes international collaborations and faculty exchange programmes. The University is working to establish twinning and certificate courses with reputed international universities, expanding opportunities for cross-border learning and joint research. These initiatives aim to position CUH as a hub for global academic integration, attracting international faculty, researchers, and students.

Moreover, university's faculty has been awarded various awards reflecting the global initiative they took to initiate the international venture. The university is also striving for strategic partnerships with internationally acclaimed institutions for collaboration in academics, research, and innovation.

- IV Student Support and Financial Assistance:** A structured Student Counselling System operates at individual, class, departmental, and hostel levels to address students' academic and personal needs. A responsive, multi-level structure addresses students' academic, emotional, and aspirational needs. This system provides individual student counsellors, then class counsellors, and the counsellors at the departmental level also. The hostels also have a similar counselling system starting from individual student counsellors, class counsellors, to hostel-level counsellors. Various counseling sessions were conducted, reducing dropout rates. Workshops on stress management and NEP orientation were conducted to integrate yoga and value education.

Moreover, Online portals for complaints (via Samarth system), Women's Cell for gender issues, and SC/ST/OBC Cell for caste-based discrimination, ensuring compliance with UGC regulations.

- V Remedial and Tutorial Support:** Extra classes and bridge courses for weak performers, especially in science and foundational subjects like mathematics and English. Language Lab (Department of English & Foreign Languages) with Sanako Study-1200 software improves communication skills in British/American accents, benefiting numerous students per session. Resource Centers in School of Education (SOE): ICT lab (70+ computers), psychology lab, and integrated science labs provide hands-on support for teacher trainees and interdisciplinary learners.
- VI Stipend and Financial Support:** The University is providing Rs 8000/- per PhD scholar to support their daily expenses, so they can focus on their research, beside this university also provides financial support for the establishment of new facilities for the smooth conduct of research and teaching. The university also offered affordable fees with concessions for category students. Moreover, Earn-and-Learn: Part-time campus jobs also provide financial support to EWS students.

VII Integration of Indian Knowledge System: The CUH emphasized that there is always a need for students to realize the use of Indian knowledge and principles to analyze and evaluate ideas and theories in modern disciplines. In this regard, The Department of Sanskrit is offering courses focused on ancient Indian intellectual tradition, Ayurvedic, and linguistic traditions. Similarly, M.A. English offers courses on Indian Classical Literature and Modern Indian Literature in English Translation and the Department of Yoga also significantly contributed to giving insight into the ancient knowledge system of India. Moreover, setting up a Linguistic Empowerment Cell is also on the agenda of the University in the future.

VIII Monitoring and Feedback: All support services are systematically evaluated through annual surveys and Annual Quality Assurance Reports (AQAR) to ensure continuous improvement and accountability. The feedback mechanism has yielded a higher student satisfaction rate in key areas such as counseling and placement services, reflecting the institution's commitment to student welfare. Additionally, the use of online portals for various functions—including form submissions, grievance redressal, and service requests—has streamlined access and enhanced transparency in administrative processes.

Digital Transformation and Online Service Implementation:

The Central University of Haryana has made significant progress in implementing digital processes and online services across academic, administrative, and student support domains, aligning with the goals of transparency, efficiency, and accessibility in higher education.

I Online Admission and Examination Processes: CUH has completely digitized its admission process for all Diploma, UG, PG, and Ph.D. programs. Admissions are conducted through the Common University Entrance Test (CUET), followed by a fully online counselling and admission process, operational since the 2018–19 academic session. Hostel admissions are also managed online, and fee submission is accepted exclusively in digital mode. For examinations, the university employs the 'Campus Pro' Examination Management System, which streamlines all assessment-

related tasks—from scheduling and grading to results publication—ensuring accuracy and transparency.

- II Online and distance learning initiatives:** While the university is yet to launch a full-fledged online distance education platform, it has taken substantial steps toward digital learning. A robust Learning Management System (LMS) has been deployed on the university's dedicated cloud-based server, enabling faculty members to record and upload self-prepared video lectures. The university currently operates five virtual classrooms designed for creating MOOCs, conducting video/audio recordings, and live-streaming lectures, thereby enhancing digital pedagogy and blended learning experiences.
- III E-Resources and Library Digitalization:** The CUH University Library System—comprising multiple libraries (Central, SOET, SOE, DACE, and SOL)—is fully automated through KOHA and e-Granthalaya software. The system provides seamless access to e-resources, including the National Digital Library, e-ShodhSindhu, NPTEL, e-PG Pathshala, NSDL, and GOI Web Directory. Faculty publications and research outputs are integrated into the IRINS platform, while the Institutional Digital Repository, “Gyan Pravaah,” archives theses and research papers. Advanced plagiarism detection tools like Turnitin and Original ensure academic integrity across all submissions.
- IV Online Administrative and Student-related forms:** All student-related forms like identity card application forms, library membership forms, Wi-Fi password forms, etc. are available on the website of the University for the student's convenience. Similarly, all administrative forms like identity card application forms, library membership forms, leave forms, LTC forms, etc. are also available online for teaching and non-teaching staff.
- V Digital Recruitment and Faculty Resources:** The recruitment process for teaching and non-teaching staff has been entirely moved online, ensuring transparent and time-efficient hiring. Faculty profiles of 176 teachers are hosted on the IRINS portal, enhancing visibility and networking within the academic community.

VI Advanced Online Infrastructure and Connectivity: CUH offers a comprehensive digital environment supported by INFLIBNET's INFED service, facilitating remote access to e-resources. The university operates several IP-based EPABX telecom systems across departments, and the Samarth portal manages admissions, recruitment, and staff records digitally. The entire campus is Wi-Fi enabled, with a dedicated Wi-Fi Park for students. A high-end CISCO network system with a 1 Gbps leased line ensures uninterrupted high-speed internet connectivity.

Key Performance Indicators and Research Excellence

Inclusivity, Diversity, and Outreach Initiatives: CUH fosters an inclusive ecosystem ensuring equitable access and social responsibility, with around 50% of students hailing from different states and Union Territories, facilitated by equitable opportunities through the online Common University Entrance Test (CUCET/CUET).

Inclusivity Measures: The Equal Opportunity Cell (EOC) mandates fair representation, achieving female enrollment while enforcing stringent anti-harassment policies under the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, creating a secure environment. For international scholars (albeit a modest cohort in a primarily domestic institution), the International Students' Support Unit provides visa facilitation, cultural orientation programs, and integration workshops to promote global diversity and intercultural competence.

Outreach and Community Extension: Under the Unnat Bharat Abhiyan (UBA) 2.0 scheme, CUH has adopted five villages in Mahendergarh district for student-driven rural development projects, including sustainable agriculture, water conservation, and digital literacy drives. In 2024-25, these initiatives engaged 500+ students, impacting 2,000+ villagers through technology transfer and skill training, enhancing social responsibility outcomes and aligning with Sustainable Development Goals (SDGs) 4 (Quality Education) and 10 (Reduced Inequalities). Additionally, students receive full fee waivers, and benefit from scholarships for SC/ST/OBC/EWS categories, ensuring socioeconomic inclusivity.

Innovation Ecosystem: The Centre for Innovation and Incubation (CII), established in 2018, serves as a hub for fostering creativity, organizing exhibitions, innovators' meets,

Shodh Yatra (research expeditions), and intra/inter-university competitions. In 2024-25, CII supported numerous prototypes with monetary incentives for winners.

Platforms for Innovation: Annual events like National Science Day and Hackathons witnessed participation from abundant students across departments, culminating in awards for concepts such as AI-based waste segregation systems, with seed funding for commercialization.

Waste-to-Wealth and Sustainability Practices: The B.Voc. program in Industrial Waste Management disseminates techniques for converting industrial effluents into value-added products like biofuels. Campus-wide recycle-reuse initiatives include a functional Sewage Treatment Plant (STP) treating wastewater for horticulture, reducing groundwater dependency by 30%. CII collaborates with innovators on plastic recycling (e.g., upcycling bottles into furniture), aligning with Swachh Bharat Mission.

Ongoing Projects: Energy harvesting endeavors include a smart eco-friendly car prototype powered by solar, mechanical, and sound energy, which secured the Best Innovation Stall at the 15th Electric Vehicle Expo-2022, New Delhi, and has evolved into a patented model (2024 filing). Other developments encompass solar glass cutters, smart toll plazas, and auto air pumps, with two projects receiving funding in 2025.

Industry-Academia Inter-linkages: CUH emphasizes integration of industry best practices in pedagogy, including e-content development, Massive Open Online Courses (MOOCs), and Global Initiative of Academic Networks (GIAN) programs. Seven Memoranda of Understanding (MoUs) with industry, research institutes, incubation centers, and academic bodies (e.g., CSIR-NPL, DRDO) establish robust networks.

Industry-Based Programs: Three B.Voc. programs (Retail & Logistics Management, Biomedical Sciences, Industrial Waste Management) under the Department of Vocational Studies and Skill Development, and four B.Tech. programs (Civil, Electrical, Computer Science & Engineering, Printing & Packaging Technology) under the School of Engineering and Technology (SOET), incorporate practical training, achieving 70% internship placement.

Curriculum Enhancement: Industry experts serve on statutory bodies (Boards of Studies, Academic Council) for all departments, ensuring curricula updates per market needs (e.g., AI modules in CSE). Modalities for adjunct faculty from industry are finalized in 2025, enhancing employability (88% rate per AQAR).

Research Facilities and Achievements: CUH faculty have secured over ₹11 crores through over 30 research projects from agencies including ICSSR, SERB, DST-SEED, DBT, PMMMNMTT, DST-FIST, and DST-AISTDF. Publications stand at 700+ peer-reviewed papers/books/chapters (Scopus-indexed/ISBN), with an h-index of 66 over five years, 48 patents granted/published, and 69 PhDs awarded.

Current Highlights: 7 new MoUs signed with research institutes/universities for collaborative projects; introduction of seed money for fundamental research; promotion of interdisciplinary culture via appreciation awards; focus on local need-based research (e.g., arid zone agriculture).

State-of-the-art facilities include:

School of Basic Sciences: Equipped with FTIR Spectrometer, UV-Vis-NIR Spectrophotometer, Gas Chromatograph (GC), Thermal Evaporation/Sputtering Units, Microwave Furnace (up to 12,000°C), Indigenous Thermal-CVD for CNT/graphene, TGA/DTA/DSC system, and a 20-system computer lab with advanced software (MATLAB, Origin).

School of Engineering and Technology (SOET): Digitalized labs across departments—Printing & Packaging: Digital Printing Press, Spectrophotometer; Computer Science: 3 labs with high-config systems for simulation; Electrical: Lathe/Milling Machines, Power System Equipment; Civil: Digital Triaxial Testing, Total Station.

Central Instrumentation Centre (CIC): Atomic Force Microscope (AFM), LC-MS/MS, Bench-top NMR for material characterization, enabling high-impact publications.

School of Interdisciplinary and Applied Sciences: Real-time PCR, Quaternary HPLC, ELISA Reader, BSL-II hoods, AAS, PM10/PM2.5 samplers, handheld GPS.

Language Lab: 30-module facility with Sanako Study-1200 software for accent training.

School of Education (SOE): Resource centers including ICT Lab (70+ computers), Psychology Lab, Integrated Science/Mathematics Labs, Arts & Craft Centre, hosting workshops for 500+ external teachers/students in 2024-25. In 2024-25, research incentives and NEP-aligned workshops (April-August 2025) have boosted output, positioning CUH for enhanced global visibility. For further details, refer to cuh.ac.in.

Archaeological Museum: Houses Harappan artifacts (full skull, pottery, jewelry) from regional excavations, supporting interdisciplinary research in history and anthropology.

INFRASTRUCTURE AND LEARNING RESOURCES

I. Physical Facilities

CUH's infrastructure is meticulously planned to facilitate academic excellence, research, and holistic student development, incorporating ICT-enabled environments and universal design principles.

Academic and Administrative Buildings: Three Academic Blocks and one Administrative Building, fully air-conditioned, house well-equipped lecture halls, tutorial rooms, and laboratories stocked with cutting-edge equipment, computers, and software (e.g., high-performance computing clusters in SOET). Each academic block features seminar halls (seating capacity: 200 per floor) with audiovisual systems. Virtual classrooms (five in number) enable lecture recordings, MOOCs development, and live webcasts, supporting hybrid learning modes.

Auditoria and Activity Spaces: Four auditoriums equipped with advanced acoustics, projection systems, and staging facilities cater to curricular seminars, conferences, and extracurricular events, hosting over 100 programs annually.

Hostel and Residential Amenities: Adequate separate hostels for boys and girls (total capacity: 1,500+ beds, with expansion underway) provide modern furnishings, Wi-Fi connectivity, gymnasiums, TV rooms, and common areas. Additional amenities include E-Rickshaw shuttles for intra-campus mobility, RO-purified drinking water stations, and dedicated sports facilities for indoor (badminton, table tennis) and outdoor games (cricket, athletics tracks), alongside yoga halls promoting wellness under the Department of Yoga.

Ancillary Services: On-campus bank (State Bank of India branch), post office, roadside benches, and internal bus services ensure convenience. All buildings incorporate accessibility features such as ramps, disabled-friendly toilets, Braille signage, and assistive technologies (screen readers, JAWS software) for visually impaired students, complying with the Rights of Persons with Disabilities Act, 2016.

Special infrastructure highlights include the selection of eco-compatible materials (locally sourced bricks, concrete, and steel with high recycled content), passive solar design for optimized natural heating/cooling, and preservation of existing trees, vegetation, and bird habitats during construction. Green building elements comprise:

- (i) Fly ash bricks and cement for reduced carbon footprint.
- (ii) Double-glazed high-performance glass to minimize heat gain and electricity usage.
- (iii) Sun cutter louvers to mitigate direct sunlight.
- (iv) Energy-efficient Variable Refrigerant Volume (VRV) air-conditioning systems.
- (v) Waterless urinals and low-flow fixtures conserving up to 40% water.

II. Eco-Friendly Campus and Green Initiatives

CUH maintains an embellished lush green campus with 80% open/green area, embodying sustainable practices recognized under the Swachh Bharat Abhiyan and Unnat Bharat Abhiyan.

Afforestation and Biodiversity: Over 2,000 climate-resilient trees (e.g., neem, peepal) planted in recent seasons, supplemented by the 2024 Miyawaki forest initiative, fostering habitats for avian species and supporting research in flora-fauna dynamics.

Pollution Control Measures: Vehicle speed restricted to 30 km/hour to curb emissions and dust; comprehensive ban on single-use plastics across offices, residences, and hostels, with enforcement yielding 90% compliance in 2024-25 audits.

Renewable Energy Adoption: Rooftop solar panels (capacity: 410 kWp, expanded in 2025) generate 20% of campus electricity, reducing annually and promoting environmental conservation.

Water Management: Rainwater harvesting systems restore groundwater tables and create micro-habitats attracting rare bird species for ornithological studies. A fully operational Sewage Treatment Plant (STP, capacity: 2 MLD) recycles wastewater for horticulture, lawns, and tree irrigation, conserving groundwater and aligning with SDG 6 (Clean Water and Sanitation).

Waste Management: Segregated bins for biodegradable and non-biodegradable waste facilitate recycling; organic waste composted on-site, supporting zero-waste goals.

These initiatives have earned CUH the 'Green Campus' certification from the Ministry of Environment, Forest and Climate Change, with energy audits showing a significant reduction in carbon emissions since 2023. The infrastructure supports Outcome-Based Education (OBE) by providing conducive spaces for interdisciplinary activities, with ongoing expansions ensuring scalability for future enrollment growth.

BEST PRACTICES OF THE UNIVERSITY

Central University of Haryana has rejuvenated itself by emphasizing on Skills, and Entrepreneurship”, dovetailing its innovations, and providing a healthy environment for faculty and other stakeholders for growth in research and academics. CUH best practice aims to achieve international quality in academics and research with the institutionalization of innovative self.

Among the various best practices, the following are noteworthy:

Promotion of gender equity: The Central University of Haryana prioritizes gender equity and safety for all stakeholders, especially female employees and girl students. The university promotes gender sensitivity among students and employees of the University through the Women Empowerment Cell and Sexual Harassment Prevention Cell, offering counseling and awareness programs. Grievance redressal mechanisms like Internal Complaint Committee (ICC) of the University ensure prompt action.

Internal audits for quality assessment: The University performs administrative and academic audits of academic departments and administrative units to maintain the quality of academics and administration. This activity aims to evaluate the annual performance of the faculty, departments, and non-teaching staff.

Employee Rewards and Recognition: The university take the initiative to motivate faculty and non-teaching staff them through various awards, incentives, and recognition, such as

- The Best Researcher Award for various categories.
- The Best Non-Teaching Performer Award, and
- The Best Department Award among the various Schools of study.
- Seminar/Conference/workshops on a regular basis for overall development and exposure
- Nine Memoranda of Understanding have been signed between CUH and reputed institutes.

Online Admissions and Enrolments: The Central University of Haryana is 100% objective in its admission procedure and is one of the leading universities to participate in the Common University Entrance Test (CUET) for admission to various programs of study. Online Admissions through CUET are made to encourage diversity in student enrolment.

- Cashless Transactions
- Dynamic Website
- Transparent Procedure for Admissions

All research scholars are being provided with scholars' rooms, Wi-Fi facilities and official email IDs for academic communication.

Digitalization: Most of the official work has been digitalized in the University.

Implementation of Samarth E-Government Project: As an E-Governance activity, the University has initiated various digital initiatives such as the Learning Management System E-Samarth Digitalization of all administrative activities, including admissions and student services. Every faculty has been registered at the Samarth Portal for various kinds of communication and administrative activities.

Catering to Student Diversity: Around 50% of students belong to different states other than Haryana. Universities also take measures for slow learners and students from different cultures and languages.

Initiative for Sustainable University Campus: Waste management has become one of the most important parameters in the development of a sustainable University campus. To adhere to the Swachh Bharat Abhiyaan of the Government of India, the University is committed to ensuring the building of sustainable infrastructure.

Installation of the Solar Power System in the University: Within the University campus, two grid-connected rooftop solar power plants have been installed. A 250 KWP capacity power plant has been installed on the roofs of the hostel blocks (four buildings). Another 160 KWP capacity solar power plant has been installed on the roofs of the three academic buildings.

Workplace readiness and holistic development of students

Students are encouraged to participate in research projects and programs for innovations for holistic growth. And other activities like

- Making documentaries for the common good
- Social advertisements
- Social issues like awareness regarding voting, sensitization, health awareness and many more.
- **Orientation Program:** An orientation program in every department is organized for newly admitted students at the outset of the academic session in each department.
- **University's Community Engagement Programmes:**
 - various social, cultural and extension programmes,
 - initiation of the project “Converting Rice Straw in Compost”
 - Sensitization for Waste Management through a special B.Voc. Course on Waste Management.
 - NSS/YRC/School of Education/Rallies/Awareness programmes on Environmental Awareness
 - Dedication to encouraging community-driven ventures in the adjacent and adopted villages. The endeavours on numerous themes particularly in relation to food, health, and the environment are executed in order to bring about essential progress and awareness among the residents of the surrounding communities.
- **University has organized the events pertaining to:**
 - Livelihood and food security; nutrition week programme; community health promotion:
 - Awareness programmes and health camps; Blood donation camps.
 - Promotion of the Swachh Bharat Abhiyaan; Environmental sustainability and tree-planting campaigns, among others.

In addition, the University has accepted all of the government's key programmes (including Beti Bachao Beti Padhao, Digital Economy, Ek Bharat Shreshtha Bharat, Swach Bharat Abhiyan, Aazadi ka Amrit Mahotsav, and others) Shrestha Bharat Abhiyan programme, Azadi Ka Amrit Mahotsav and Swachhta Pakhwada. Under the Swachhta Pakhwada at CUH, the Vice-Chancellor often addresses the students, teachers and villagers at the Government Senior Secondary School located in Jant village and works to raise awareness among students and the broader community.

Crèche Facility at the Central University of Haryana: At the **Central University of Haryana (CUH)**, a *crèche* offers a safe and supportive childcare facility where very young children can be cared for during the day while their parents, whether staff or students, can attend classes, work, or participate in academic activities on campus. A *crèche* helps promote a family-friendly environment by offering reliable day-care services that allow parents to focus on their responsibilities with peace of mind, knowing their children are looked after in a nurturing setting.

Student-Led Dosa Point — Fostering Entrepreneurship and Campus Culture: In line with the University's commitment to holistic student development and entrepreneurial mindset, the **Student-Led Dosa Point** at the Central University of Haryana emerged as a vibrant initiative during the reporting year. Conceived and operated by students, this food outlet provides freshly prepared South Indian delicacies. This initiative reflects CUH's efforts to **encourage student-driven enterprises and experiential learning beyond the classroom**, enhancing student engagement, leadership skills, and entrepreneurial confidence.

UNIVERSITY COURT

Details of Members of the Court (as on 31st March, 2025)

Clause	Statute-10 (Constitution of Court & term of Office of its members)	Members	Tenure
i	Chancellor, Chairperson	Vacant	N/A
ii	Vice-Chancellor	Prof. (Dr.) Tankeshwar Kumar	Ex-Officio Member
iii	Pro-Vice Chancellor	Vacant	N/A
iv	All Members of the Executive Council	Prof. Rajaneesh Kumar Shukla Former Vice-Chancellor, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha Prof. B. B. Goel Professor of Public Administration (Retd.) Panjab University, Chandigarh Prof. Sat Prakash Bansal Vice-Chancellor, Central University of Himachal Pradesh Prof. Mukhtiar Singh Professor, Department of Electrical Engineering, Delhi Technological University Prof. Tahir Hussain Member, National Monitoring Committee for Minority Education, MHRD, Govt. of India Prof. Pardeep Kumar Professor, Department of Instrumentation, Kurukshetra University, Kurukshetra Prof. Ranjan Aneja Dean, School of Business and Management Studies Prof. Rajesh Kumar Gupta Dean, School of Basic Sciences, CUH Prof. Dinesh Kumar Gupta, Dean, School of Interdisciplinary and Applied Sciences Prof. Nand Kishor, Proctor, CUH Prof. R.K. Gupta, Vice-Chancellor, Maharaja Agrasen University, Himachal Pradesh	Ex-Officio Members

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v	All Deans of Schools	Prof. Rajesh Kumar Gupta, Dean, School of Basic Sciences Prof. Ranjan Aneja, Dean, School of Business & Management Studies Prof. Ravinder Pal Ahlawat, Dean, School of Education Prof. Vikas Garg, Dean, School of Engineering & Technology Prof. Payal Kanwar Chandel, Dean, School of Humanities & Social Sciences Prof. Dinesh Kumar Gupta, Dean, School of Interdisciplinary & Applied Sciences Dr. Pardeep Singh, Dean, School of Law Prof. Pawan Kumar Maurya, Dean, School of Life Long Learning	Ex-Officio Members
vi	Proctor, ex-officio	Prof. Nand Kishor , Department of Teacher Education	Ex-Officio Member
vii	Dean of Students Welfare	Prof. Anand Sharma , Professor, Department of Management Studies	Ex-Officio Member
viii	All Chairpersons of Centres	Vacant	Ex-Officio Members
ix	All Heads of Departments	Prof. Antresh Kumar, Head, Department of Biochemistry Dr. Rupesh Deshmukh, Head, Department of Biotechnology Prof. Harish Kumar, Head, Department of Chemistry Prof. Vikas Garg, Head, Department of Civil Engineering Dr. Rajendra Prasad Meena, Head, Department of Commerce Prof. Rakesh Kumar, Head, Department of Computer Science & Engineering Dr. Keshav Singh Rawat, Head, Department of Computer Science and Information Technology Dr. Amandeep Verma, Head, Department of Economics Prof. Akash Saxena, Head, Department of Electrical Engineering Prof. Sanjiv Kumar, Head, Department of English & Foreign Languages Dr. Anita Singh, Head, Department of Environmental Studies Prof. M.L. Meena, Head, Department of Geography	Ex-Officio Members

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		13. Prof. Bir Pal Singh Yadav, Head, Department of Hindi 14. Dr. Narender Singh, Head, Department of History and Archaeology 15. Dr. Ashok Kumar, Head, Department of Journalism and Mass Communication 16. Dr. Pardeep Singh, Head, Department of Law 17. Dr. Shri Ram Pandey, Head, Department of Library and Information Science 18. Prof. Sunita Tanwar, Head, Department of Management Studies 19. Prof. Anil Kumar Yadav, Head, Department of Mathematics 20. Prof. Vikas Beniwal, Head, Department of Microbiology 21. Prof. Kanti Prakash Sharma, Head, Department of Nutrition Biology 22. Dr. Dinesh Kumar, Head, Department of Pharmaceutical Sciences 23. Dr. Jaiprakash Bhukar, Head, Department of Physical Education and Sports 24. Prof. Sunita Srivastava, Head, Department of Physics and Astrophysics 25. Prof. Rajeev Kumar Singh, Head, Department of Political Science 26. Prof. Vikas Garg, Head, Department of Printing and Packaging Technology 27. Prof. Payal Kanwar Chandel, Head, Department of Psychology 28. Prof. Payal Kanwal Chandel, Head, Department of Sanskrit 29. Prof. Payal Kanwal Chandel, Head, Department of Sociology 30. Prof. Ranjan Kumar Sahoo, Head, Department of Statistics 31. Prof. Parmod Kumar, Head, Department of Teacher Education 32. Dr. Ranbir Singh, Head, Department of Tourism and Hotel Management 33. Prof. Dinesh Kumar Gupta, Head, Department of Yoga 34. Prof. Kalpana Chauhan, Head, Department of Applied Sciences and Humanities	
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x	Librarian	Dr. Santosh C. Hulagabali	Ex-Officio Member
xi	All Professors other than Heads/Deans	1. Prof. Gunjan Goel, Department of Microbiology 2. Prof. Ajay Kumar Bansal, Department of Electrical Engineering 3. Prof. Dinesh Chahal, Department of Teacher Education 4. Prof. Nand Kishor, Department of Teacher Education 5. Prof. Manoj Kumar Singh, School of Engineering and Technology 6. Prof. Rajesh Kumar Malik, Department of Law 7. Prof. Anand Sharma, Department of Management Studies 8. Prof. Suneel Kumar, Department of Physics and Astrophysics 9. Prof. Ashish Mathur, Department of Management Studies 10. Prof. Sushila Kumari Soriya, Department of Commerce 11. Prof. Singara Singh, Department of Computer Science and Information Technology 12. Prof. Vinod Kumar, Department of Chemistry 13. Prof. Neelam Sangwan, Department of Biochemistry 14. Prof. Rajesh Kumar Dubey, Department of Electrical Engineering 15. Prof. Bijender Singh, Department of Biotechnology 16. Prof. Bhaskar Das, Department of Civil Engineering 17. Prof. Chanchal Kumar Sharma, Department of Political Science 18. Prof. Phool Singh, Department of Applied Sciences and Humanities 19. Prof. Surender Kumar, Department of Microbiology 20. Prof. Ramesh Kumar, Department of Political Science 21. Prof. Vishva Chaudhary, Department of Psychology 22. Prof. Tanu Gupta, Department of English and Foreign Languages	Ex-Officio Members
xii	Controller of Examinations	Prof. Rajiv Kaushik	Ex-Officio Member
xiii	Finance Officer	Dr. Vikas Kumar	Ex-Officio Member

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xiv	Registrar	Prof. Suneel Kumar, Registrar(I/C)	Ex-Officio Member Secretary
xv	Nominees of the Visitor: Four eminent persons nominated by the Visitor	Vacant	-----
xvi	Nominees of the Chancellor: Two eminent academicians nominated by the Chancellor	Vacant	-----
xvii	Two Associate Professors who are not Heads of Teaching Departments to be nominated by the Vice-Chancellor on rotation basis	1. Dr. Umesh Kumar , Associate Professor, Department of Nutrition Biology 2. Dr. Vidyullatha Peddireddy , Associate Professor, Department of Nutrition Biology	Upto 12-01-2026
xviii	Two Assistant Professors representing each School/ Centre/ Department/ College by rotation to be nominated by the Vice Chancellor on rotation basis	1. Dr. Ravinder Kaur , Department of Commerce	Upto 26.02.2027
		Vacant	
xix	Representatives of learned Professions and Special Interests: Six persons representing learned professions and special interests including representatives of Industry, commerce, banking, agriculture, health, financial institutions, legal, eminent academicians, media, social work etc. to be nominated by the Executive Council	1. Prof. P.C. Patanjali , Former Vice-Chancellor, Purvachal University, Jaunpur, UP 2. Prof. Payal Mago , Principal, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi 3. Prof. Om Prakash , Emeritus Fellow, Department of Chemistry, Kurukshetra University, Kurukshetra 4. Prof. N.K. Taneja , Former Vice-Chancellor, Chaudhary Charan Singh University, Meerut 5. Prof. V.K. Aggarwal , Former Vice-Chancellor, Jagan Nath University, Jaipur 6. Prof. R.K. Gupta , Vice-Chancellor, Maharaja Agrasen University, Solan, Himachal Pradesh	Upto 15.11.2025

Tenure: All members of the Court, other than the ex-officio members i.e. Sr.No. (i to xiv), shall hold office for a term of three years.

Quorum: “One third of the number of the members of the Court shall form a quorum for a meeting of the Court”

EXECUTIVE COUNCIL

Details of Members of the Executive Council (As on 31st March, 2025)

Clause	Statute-11 (Constitution of Executive Council & term of Office of its members)	Members	Tenure
i	Vice Chancellor, ex-officio Chairperson	Prof. (Dr.) Tankeshwar Kumar	Ex-Officio Member
ii	Pro-Vice Chancellor, ex-officio	Vacant	N/A
iii	Three Deans of Schools of Studies of whom not more than two shall be from each of the Groups specified below by rotation according to seniority: Group-I a. School of Humanities and Social Sciences; b. School of Law; c. School of Business and Management Studies; d. School of Education Group-II a. School of Basic Sciences; b. School of Interdisciplinary and Applied Sciences; c. School of Engineering and Technology; d. School of Agricultural Sciences; e. School of Life-long Learning	a. Prof. Ranjan Aneja , Dean, School of Business and Management Studies	For a period of three years w.e.f. 23-12-2024 or till he remains Dean of the respective School of Studies, whichever is earlier.
		b. Prof. Dinesh Kumar Gupta , Dean, School of Interdisciplinary and Applied Sciences	For the residual period i.e. Upto 09-05-2025 or till he remains Dean of the respective School of Studies, whichever is earlier.
		c. Prof. Rajesh Kumar Gupta , Dean, School of Basic Sciences	For a period of three years w.e.f. 14-02-2025 or till he remains Dean of the respective School of Studies, whichever is earlier.
iv	Three eminent persons from the field of Technology/ Industry/ Finance/ Education to be nominated by the Vice Chancellor	1. Prof. Rajaneesh Kumar Shukla, Former Vice-Chancellor, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha 2. Prof. B. B. Goel, Professor of Public Administration (Retd.) Panjab University, Chandigarh 3. Prof. Sat Prakash Bansal, Vice-Chancellor, Central	Upto 07-04-2025 Upto 03-06-2025

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		University of Himachal Pradesh	Upto 03-06-2025
v	Proctor, ex-officio	Prof. Nand Kishor , Professor, Department of Teacher Education, CUH	Ex-Officio Member
vi	Two members of the Court nominated by the Court	1. Prof. R.K. Gupta , Vice- Chancellor, Maharaja Agrasen University, Himachal Pradesh	Upto 02.06.2027 or till they remain members of the University Court, whichever is earlier.
vii	Three persons of distinction in academic life, to be nominated by the Visitor	Vacant	N/A
viii	Three representatives giving due attention to categories such as Scheduled Caste/ Scheduled Tribes/ Other Backward Classes/ Minorities/Women/ Differently Abled (To be nominated by the Vice Chancellor as serving or retired academicians from Institutions from Higher Education and Research.)	1. Prof. Pardeep Kumar , Professor, Department of Instrumentation, Kurukshetra University, Kurukshetra 2. Prof. Mukhtiar Singh , Professor, Department of Electrical Engineering, Delhi Technological University 3. Prof. Tahir Hussain , Member, National Monitoring Committee for Minority Education, Ministry of Human Resource Development, Govt. of India	Upto 07-04-2025 Upto 03-06-2025 Upto 03-06-2025
ix	Registrar, Secretary, ex-officio	Prof. Suneel Kumar , Registrar(I/C)	Ex-Officio Secretary

Tenure: All members of the Executive Council, other than ex-officio members shall hold office for a term of three years.

Quorum: “Half the total members of the Executive Council excluding the Vice-Chancellor shall make the quorum for the meeting of the Executive Council”

ACADEMIC COUNCIL

Details of Members of the Academic Council (as on 31st March, 2025)

Clause	Statute-13 (Constitution of Academic Council & term of Office of its members)	Members	Tenure
i.	Vice-Chancellor, Ex-officio Chairperson	Prof. (Dr.) Tankeshwar Kumar	Ex-officio
ii.	Pro-Vice-Chancellor	Vacant	N/A
iii.	Deans of Schools of Studies	9. Prof. Rajesh Kumar Gupta , Dean, School of Basic Sciences 10. Prof. Ranjan Aneja , Dean, School of Business & Management Studies 11. Prof. Ravinder Pal Ahlawat , Dean, School of Education 12. Prof. Vikas Garg , Dean, School of Engineering & Technology 13. Prof. Payal Kanwar Chandel , Dean, School of Humanities & Social Sciences 14. Prof. Dinesh Kumar Gupta , Dean, School of Interdisciplinary & Applied Sciences 15. Dr. Pardeep Singh , Dean, School of Law 16. Prof. Pawan Kumar Maurya , Dean, School of Life Long Learning	Ex-officio Members
iv.	Heads of Department of Studies	35. Prof. Antresh Kumar , Head, Department of Biochemistry 36. Dr. Rupesh Deshmukh , Head, Department of Biotechnology 37. Prof. Harish Kumar , Head, Department of Chemistry 38. Prof. Vikas Garg , Head, Department of Civil Engineering 39. Dr. Rajendra Prasad Meena , Head, Department of Commerce 40. Prof. Rakesh Kumar , Head, Department of Computer Science & Engineering 41. Dr. Keshav Singh Rawat , Head, Department of Computer Science and Information Technology 42. Dr. Amandeep Verma , Head, Department of Economics 43. Prof. Akash Saxena , Head, Department of Electrical Engineering 44. Prof. Sanjiv Kumar , Head, Department of English & Foreign Languages 45. Dr. Anita Singh , Head, Department of Environmental Studies 46. Prof. M.L. Meena , Head, Department of Geography 47. Prof. Bir Pal Singh Yadav , Head, Department of Hindi	Ex-officio Members

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		48. Dr. Narender Singh , Head, Department of History and Archaeology 49. Dr. Ashok Kumar , Head, Department of Journalism and Mass Communication 50. Dr. Pardeep Singh , Head, Department of Law 51. Dr. Shri Ram Pandey , Head, Department of Library and Information Science 52. Prof. Sunita Tanwar , Head, Department of Management Studies 53. Prof. Anil Kumar Yadav , Head, Department of Mathematics 54. Prof. Vikas Beniwal , Head, Department of Microbiology 55. Prof. Kanti Prakash Sharma , Head, Department of Nutrition Biology 56. Dr. Dinesh Kumar , Head, Department of Pharmaceutical Sciences 57. Dr. Jaiprakash Bhukar , Head, Department of Physical Education and Sports 58. Prof. Sunita Srivastava , Head, Department of Physics and Astrophysics 59. Prof. Rajeev Kumar Singh , Head, Department of Political Science 60. Prof. Vikas Garg , Head, Department of Printing and Packaging Technology 61. Prof. Payal Kanwar Chandel , Head, Department of Psychology 62. Prof. Payal Kanwal Chandel , Head, Department of Sanskrit 63. Prof. Payal Kanwal Chandel , Head, Department of Sociology 64. Prof. Ranjan Kumar Sahoo , Head, Department of Statistics 65. Prof. Parmod Kumar , Head, Department of Teacher Education 66. Dr. Ranbir Singh , Head, Department of Tourism and Hotel Management 67. Prof. Dinesh Kumar Gupta , Head, Department of Yoga 68. Prof. Kalpana Chauhan , Head, Department of Applied Sciences and Humanities	
v.	Four Professors, who are not Dean or Head by rotation according to seniority, adequately representing different Schools of Studies	1. Prof. Ajay Kumar Bansal , Department of Electrical Engineering 2. Prof. Rajesh Kumar Dubey , Department of Electrical Engineering 3. Prof. Dinesh Chahal , Department of Teacher Education Vacant	Upto 12.07.2025 Upto 18-12-2027 Upto 18-12-2027

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vi.	Six persons not in the service of the University on the recommendations of Academic Council for their special knowledge	Prof. Alok Kumar Chakrawal, Vice-Chancellor, Guru Ghasidas Vishwavidyalaya, Bilaspur Prof. Raghavendra P. Tiwari, Vice-Chancellor, Central University of Punjab, Bathinda Prof. Shipra Gupta, Professor, Department of Laws, Panjab University, Chandigarh Prof. Navdeep Goyal, Professor, Department of Physics, Panjab University, Chandigarh Ms. Jyoti Arora, IAS (Retd) 1987 Batch, Haryana & Ex-Additional Chief Secretary, Higher & Technical Education Department, Haryana Dr. Rekha Kalia Bhardwaj, Former Registrar, DAV University Jalandhar & Visiting Professor, Lovely Professional University, Jalandhar	Upto 16.02.20 28
vii.	Four Eminent persons from the field of Technology/ Industry/ Finance/ Education to be nominated by the Vice-Chancellor	Prof. Sathans, Professor, Department of Electrical Engineering, NIT, Kurukshetra-136119 Prof. B. B. Goel, Professor of Public Administration (Retd.) Panjab University, Chandigarh Dr. Viney Kapoor, Pro-Vice-Chancellor, Shree Guru Gobind Singh Tricentenary University, Gurugram P.S. Maruthi Sai, Former Vice President, Reliance Life Science, Mumbai	Upto 24.05.20 26
viii.	Three members of Court when constituted, elected from amongst the elected members, none of whom shall be an employee or student of the University or an Institution recognized by or associated with the University.	Vacant	-----
ix.	Three Associate Professors, who are not Dean or Head by rotation according to seniority, adequately representing different Schools of Studies	1. Dr. Aarti Yadav , Associate Professor, Department of Teacher Education	Upto 18.12.20 27
		Vacant	
x.	Two Assistant Professors, by rotation according to seniority, adequately representing different Schools of Studies	Dr. Rashmi Tanwar, Assistant Professor, Department of Economics Dr. Arvind Singh Tejawat, Assistant Professor, Department of Hindi	Upto 18.12.20 27
xi.	Dean Students Welfare	Prof. Anand Sharma , Professor, Department of Management Studies	Ex-officio Member
xii.	Proctor	Prof. Nand Kishor , Professor, Department of Teacher Education, CUH	Ex-officio Member

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xiii.	Librarian	Dr. Santosh C. Hulagabali	Ex-officio Member
xiv.	One Provost by rotation according to seniority	Vacant	
xv.	Two student representatives, to be nominated by Vice-Chancellor on merit basis, one from among the research scholars and the other from the post graduate students from the various Schools/Departments of the University on rotation basis. (The student members shall not be allowed to participate in discussion in respect of matters relating to Examinations, Selection Committees, appointments and conditions of service of the teaching staff)	Vacant	
xvi.	Three representatives giving due attention to categories such as Scheduled Castes/Scheduled Tribes/Other Backward Classes/ Minorities/ Women/ Differently Abled (to be nominated by the Vice-Chancellor as serving or retired academicians from institutions from Higher Education and Research)	Prof. Simrit Kahlon, Professor, Department of Geography, Panjab University, Chandigarh Dr. Ashok Kumar, Assistant Professor, Department of Physics, Central University of Punjab Prof. Devinder Kumar, Professor, Department of Chemistry, Guru Jambheshwar University of Science & Technology, Hisar	Upto 24.05.2026
xvii.	Registrar Ex-officio Secretary	Prof. Suneel Kumar , Registrar(I/C)	Ex-officio Secretary

Tenure: All members of the Academic Council, other than Vice-Chancellor, Pro-Vice-Chancellor, Dean of Students Welfare, Proctor and Librarian shall hold office for a term of three years provided that the tenure of student members shall be one academic year.

Quorum: “Half of the total members of the Academic Council excluding the Vice-Chancellor shall make the quorum for the meeting of the Academic Council”.

COMPOSITION OF THE FINANCE COMMITTEE

Chairperson Prof. (Dr.) Tankeshwar Kumar Vice-Chancellor	
Pro Vice-Chancellor, Central University of Haryana (Vacant)	
Joint Secretary and Finance Advisor, Ministry of Education, or Hon'ble President of India nominee from Finance Bureau of Ministry of Education not below the rank of Deputy Secretary	Joint Secretary (CU & L) of Ministry of Education, or Hon'ble President of India nominee not below the rank of Joint Secretary to the Govt. of India
Joint Secretary (CU), UGC or any other Joint Secretary level office nominated by the Chairman, UGC	Prof. B. B. Goel (Retd.), Professor of Public Administration, Panjab University, Chandigarh - In the capacity of Executive Council nominee (As a Member Executive Council)
Prof. Om Prakash Arora, Emeritus Fellow, Department of Chemistry, Kurukshetra University, Kurukshetra – In the Capacity of Executive Council Nominee	Dr. Vikas Gupta, Registrar, University of Delhi, Delhi - In the capacity of University Court Nominee
Prof. (Dr.) R K Gupta Vice-Chancellor Maharaja Agrasen University Solan, Himachal Pradesh – In the Capacity of Executive Council Nominee (As a Member Executive Council)	Dr. Vikas Kumar Finance Officer, Central University of Haryana (Secretary)

**DEPARTMENTS OF THE UNIVERSITY & STUDENT
ENROLLMENT IN DIFFERENT COURSES FOR THE
ACADEMIC SESSION 2024-25**

S. N.	Name of the Programme	Intake Capacity	No. of Students Enrolled
SCHOOL OF BASIC SCIENCES			
Department of Chemistry			
1.	Integrated B.Sc. - M.Sc. Chemistry	35	36
2.	M.Sc. Chemistry	50	42
3.	Ph.D. Chemistry	3	2
Department of Computer Science and Information Technology			
1.	Master of Computer Applications (MCA)	50	47
2.	M.Sc. (Data Science)	30	24
3.	Ph.D. (CSIT)	11	5
Department of Geography			
1	M.Sc. Geography	50	45
2.	M.Sc. (Geoinformatics)	20	16
3.	Ph.D. Geography	1	2
Department of Mathematics			
1.	Integrated B.Sc. - M.Sc. Mathematics	35	36
2.	M.Sc. Mathematics	50	42
3.	Ph.D. Mathematics	3	2
Department of Physics and Astrophysics			
1.	Integrated B.Sc. - M.Sc. Physics	40	41
2.	M.Sc. Physics	50	44
3.	Ph.D. Physics	5	5
Department of Statistics			
1.	M.Sc. Statistics	40	26
2.	Ph.D. Statistics	4	1

SCHOOL OF BUSINESS AND MANAGEMENT STUDIES			
Department of Commerce			
1.	M.Com.	50	41
2.	Ph.D. Commerce	1	1
Department of Economics			
1.	M.A. Economics	40	28
2.	Ph.D. Economics	0	0
Department of Management Studies			
1.	Master of Business Administration	50	48
2.	Ph.D. Management	3	3
Department of Tourism & Hotel Management			
1.	M.H.M.C.T.	30	18
2.	M.T.T.M	30	22
3.	Ph.D. Tourism and Hotel Management	4	0
SCHOOL OF EDUCATION			
Department of Teacher Education			
1.	B.Ed.	100	91
2.	M.Ed.	50	27
3.	Ph.D. Education	45	31
4.	B.A. B.Ed.	50	45
Department of Physical Education & Sports			
1.	M.P.E.D.	40	37
2.	Ph.D. Physical Education and Sports	9	8
SCHOOL OF ENGINEERING AND TECHNOLOGY			
Department of Civil Engineering			
1.	B.Tech. Civil Engineering	60	63
2.	M.Tech. (Structural Engineering)	18	14
3.	Ph.D. Civil Engineering	10	3
Department of Computer Science and Engineering			
1.	B.Tech. Computer Science and Engineering	60	68

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2.	M.Tech. Computer Science and Engineering	18	12
3.	Ph.D. Computer Science and Engineering	6	3
Department of Electrical Engineering			
1.	B.Tech. Electrical Engineering	60	58
2.	M.Tech. (Energy Systems and Management)	18	7
3.	Ph.D. Electrical Engineering	11	3
Department of Printing and Packaging Technology			
1.	B.Tech. Printing and Packaging Technology	30	35
2.	Ph.D. Printing and Packaging Technology	4	4
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES			
Department of English and Foreign Languages			
1.	M.A. English	40	37
2.	Ph.D. English	3	3
Department of Hindi			
1.	M.A. Hindi	35	23
2.	M.A. Hindi Translation	25	4
3.	Ph.D. Hindi	6	6
Department of History and Archaeology			
1.	M.A. History and Archaeology	35	29
2.	Ph.D. History	5	5
Department of Journalism and Mass Communication			
1.	M.A. (JMC)	30	19
2.	Ph.D. JMC	6	3
Department of Political Science			
1.	M.A. Political Science	45	33
2.	Ph.D. Political Science	1	0
Department of Psychology			
1.	Advanced Diploma in Child Guidance and Counselling (ADCGC)	25	20
2.	P.G. Diploma in Rehabilitation Psychology (PGDRP)	25	17

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3.	B.Sc. (Hons.) Psychology	40	40
4.	M.A. Psychology	40	42
5.	Ph.D. Psychology	4	2
Department of Sanskrit			
1.	M.A. Sanskrit	30	16
2.	Ph.D. Sanskrit	3	2
Department of Sociology			
1.	M.A. Sociology	35	20
2.	Ph.D. Sociology	3	2
SCHOOL OF INTERDISCIPLINARY AND APPLIED SCIENCES			
Department of Biochemistry			
1.	M.Sc. Biochemistry	35	29
2.	Ph.D. Biochemistry	7	6
Department of Biotechnology			
1.	M.Sc. Biotechnology	35	32
2.	Ph.D. Biotechnology	7	3
Department of Environmental Studies			
1.	M.Sc. Environmental Science	40	30
2.	Ph.D. Environmental Science	9	9
Department of Library and Information Science			
1.	M. Lib. & Inf. Sc.	30	27
2.	Ph.D. Library and Information Science	3	3
Department of Microbiology			
1.	M.Sc. Microbiology	35	28
2.	Ph.D. Microbiology	8	6
Department of Nutrition Biology			
1.	M.Sc. Nutrition Biology	30	22
2.	Ph.D. Nutrition Biology	8	3
Department of Yoga			
1.	M.Sc. Yoga	20	18

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2..	Ph.D. Yoga	0	0
Department of Pharmaceutical Sciences			
1.	M.Pharm.(Pharmacognosy)	6	6
2.	M.Pharm.(Pharmacology)	12	12
3.	Ph.D. (Pharmaceutical Sciences)	4	0
SCHOOL OF LAW			
Department of Law			
1.	L.L.B.	30	51
2.	L.L.M.	30	19
3.	Ph.D. Law	3	3
SCHOOL OF LIFE LONG LEARNING			
Department of Vocational Studies and Skill Development			
1.	B.Voc. Biomedical Sciences	50	47
2.	B.Voc. Industrial Waste Management	50	41
3.	B.Voc. Retail and Logistics Management	65	63

ACHIEVEMENTS OF THE STUDENTS

S.N.	Name of the Department	No. of students qualified JRF/NET/GATE/CTET	Placements / Selected for Higher Studies	No. of M.Phil. & Ph.D. awarded	Competitive Exam Qualified & Other Achievements
SCHOOL OF BASIC SCIENCES					
1.	Department of Chemistry	6	6	3	4
2.	Department of Computer Science and Information Technology	6	13	4	-
3.	Department of Geography	20	14	5	5
4.	Department of Mathematics	14	7	5	-
5.	Department of Physics & Astrophysics	11	30	-	3
6.	Department of Statistics	2	1	-	-
SCHOOL OF BUSINESS AND MANAGEMENT STUDIES					
7.	Department of Management Studies	2	2	6	5
8.	Department of Economics	-	2	-	-
9.	Department of Commerce	20	3	2	-
10.	Department of Tourism & Hotel Management	01	28	01	-
SCHOOL OF EDUCATION					
11.	Department of Teacher Education	98	55	2	-
12.	Department of Physical Education and Sports	8	14	3	5
SCHOOL OF ENGINEERING & TECHNOLOGY					
13.	Department of Computer Science and Engineering	7	23	1	3
14.	Department of Civil Engineering	7	15	0	0
15.	Department of Electrical Engineering	4	21	01	-
16.	Department of Printing and Packaging Technology	-	12	-	-

SCHOOL OF HUMANITIES & SOCIAL SCIENCES					
17.	Department of English & Foreign Languages	20	8	7	2
18.	Department of Hindi	13	4	2	-
19.	Department of History & Archaeology	2	1	2	-
20.	Department of Journalism and Mass Communication	-	14	-	-
21.	Department of Political Science	19	5	8	1
22.	Department of Psychology	39	-	2	15
23.	Department of Sanskrit	7	2	0	1
24.	Department of Sociology	7	6	4	7
SCHOOL OF INTERDISCIPLINARY AND APPLIED SCIENCES					
25.	Department of Biochemistry	4	6	3	5
26.	Department of Biotechnology	5	11	4	2
27.	Department of Microbiology	6	3	3	-
28.	Department of Nutrition Biology	2	3	1	4
29.	Department of Pharmaceutical Sciences	01	4	-	-
30.	Department of Environmental Studies	7	12	-	-
31.	Department of Library and Information Science	7	1	-	-
32.	Department of Yoga	4	11	1	-
SCHOOL OF LAW					
33.	Department of Law	1	4	4	-
SCHOOL OF LIFE LONG LEARNING					
34.	Department of Vocational Studies and Skill Development Biomedical Sciences	9	25	-	11
35.	B.Voc (Retail and Logistics Management)	-	25	-	4
36.	B.Voc (Industrial waste management)	-	Placements-01 Higher Studies-07	-	2 Other Achievements

FEE STRUCTURE

CENTRAL UNIVERSITY OF HARYANA

First Year Fee Structure

S.No.	Account Head	Diploma Programmes	Integrated Programmes	UG Programmes				PG Programmes						
		PGDRP/ADCGC	(B.Sc.-M.Sc)/ BA.LL.B. (Hons)/ B.A.B.Ed.	LL.B. (3 Year Professional Course)	B.Tech.	B.Voc.	B.Sc. (Hons)	Humanities and Social Sciences	Science/ Professional Courses/ M.P.Ed.	M.Pharm.	M.A. (Hindi Translation)	B.Ed.	M.Ed.	M.Tech
		A	B	C	D	E	F	G	H	I	J	K	L	M
1	Security Deposit (Refundable)	2000	2000	2000	5000	2000	2000	1000	2000	2000	1000	3000	3000	2000
2	Admission Fee	2500	1500	1500	3000	500	1500	500	1500	1500	500	2000	3000	1500
3	Enrolment Fee	800	600	600	600	600	600	600	600	600	600	600	600	600
4	Registration Fee	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Identity Card	100	100	100	100	100	100	100	100	100	100	100	100	100
6	Red Cross Fund	80	80	80	80	80	80	80	80	80	80	80	80	80
7	Rover/Ranger Fund	0	50	50	50	50	50	50	50	50	50	50	50	50
8	NSS fee	20	20	20	20	20	20	20	20	20	20	20	20	20
9	Insurance fee	200	200	200	200	200	200	200	200	200	200	200	200	200
10	Student Welfare Fund	400	400	400	400	400	400	400	400	400	400	400	400	400
11	Annual Day	100	100	100	100	100	100	100	100	100	100	100	100	100
12	University Magazine	200	200	200	200	200	200	200	200	200	200	200	200	200
13	Library Fee	4000	1000	1000	1000	1000	1000	1000	1000	2000	1000	4000	2000	1000
14	Tuition Fee	5000	4000	1000	36000	2570	4000	1000	1000	3000	6000	5000	5000	26000

		A	B	C	D	E	F	G	H	I	J	K	L	M
15	Electricity/Water charges	300	300	300	300	300	300	300	300	300	300	300	300	300
16	Cultural activities Fee	150	150	150	150	150	150	150	150	150	150	150	150	150
17	Computer Lab Fee/ Internet Fee/ICT	2000	400	400	400	400	400	400	400	400	400	1000	2000	400
18	Examination Fee	4000	3000	3000	6000	1000	3000	1000	3000	3000	1000	3000	3000	3000
19	University Development Fund	300	300	300	6000	300	300	300	300	300	300	300	300	300
20	Medical Charges	250	250	250	250	250	250	250	250	250	250	250	250	250
21	Sports Fee	250	250	250	250	250	250	250	250	250	250	250	250	250
22	Lab Fee/Industrial visit/field work/Internship	4500	3000	3000	5000	1500	3000	0	3000	3000	0	2000	2000	3000
23	Student Academic activities	100	100	100	100	100	100	100	100	100	100	100	100	100
24	Course Fee	5000	0	0	0	0	0	0	0	0	0	5000	0	0
Total		32250	18000	15000	65200	12070	18000	8000	15000	18000	13000	28100	23100	40000
Total (For SC/ST Students) (Tuition Fee Exempted for SC/ST Students)		27250	14000	14000	29200	9500	14000	7000	14000	15000	7000	23100	18100	14000

Note:

The Annual Fee is to be paid in two Installments i.e. one Installment in each semester.

Installment Details (Except SC/ST)														
1	1st Installment (50%)	16125	9000	7500	32600	6035	9000	4000	7500	9000	6500	14050	11550	20000
2	2nd Installment (50%)	16125	9000	7500	32600	6035	9000	4000	7500	9000	6500	14050	11550	20000

For SC/ST Students: The SC/ST Students may pay their annual fees in three instalments. **First Instalment:** Admission Fees, Enrolment Fees, Identity Card Fee, Insurance Fee, Security deposit. The remaining fees may be paid in two equal instalments upto 15 days from the commencement of the Term End Examinations.

Humanities and Social Sciences: M.A. (Economics, English, Hindi, History, Political Science, Sociology, Sanskrit), M.Com.

Science/ Professional Courses: M.A. (Psychology), M.Sc. (Environmental Studies, Geography, Chemistry, Physics, Mathematics, Statistics, Microbiology, Biochemistry, Nutrition Biology, Biotechnology, Yoga, Data Science, Geoinformatics), M.B.A., LL.B., LL.M., M.C.A., M.A.(JMC), M.H.M.C.T., M.T.T.M., M. Lib.& In. Sc., M.Pharm., M.P.Ed.

CENTRAL UNIVERSITY OF HARYANA

Subsequent/Final Year Fee Structure

S.No.	Account Head	Integrated Programmes	UG Programmes				PG Programmes						
		(B.Sc.-M.Sc)/ BA,LL.B.(Hons)/ B.A.B.Ed.	LL.B. (3 Year Professional Course)	B.Tech.	B.Voc.	B.Sc. (Hons)	Humanities and Social Sciences	Science/ Professional Courses/ M.P.Ed.	M.Pharm.	M.A. (Hindi Translation)	B.Ed.	M.Ed.	M.Tech.
		A	B	C	D	E	F	G	H	I	J	K	L
1	Red Cross Fund	80	80	80	80	80	80	80	80	80	80	80	80
2	Rover/Ranger Fund	50	50	50	50	50	50	50	50	50	50	50	50
3	NSS fee	20	20	20	20	20	20	20	20	20	20	20	20
4	Insurance fee	200	200	200	200	200	200	200	200	200	200	200	200
5	Student Welfare Fund	400	400	400	400	400	400	400	400	400	400	400	400
6	Annual Day	100	100	100	100	100	100	100	100	100	100	100	100
7	University Magazine	200	200	200	200	200	200	200	200	200	200	200	200
8	Library Fee	1000	1000	3600	1000	1000	1000	1000	2000	1000	4000	2500	1000
9	Tuition Fee	4000	1000	36000	2570	4000	1000	1000	3000	6000	5000	5000	26000
10	Electricity/Water charges	300	300	300	300	300	300	300	300	300	300	300	300
11	Cultural activities Fee	150	150	150	150	150	150	150	150	150	150	150	150
12	Computer Lab Fee/ Internet Fee/ICT	500	500	500	500	500	500	500	500	500	1100	2100	500

		A	B	C	D	E	F	G	H	I	J	K	L
13	Examination Fee	3000	3000	6000	1000	3000	2000	3000	3000	2000	3000	3000	3000
14	University Development Fund	300	300	6000	300	300	300	300	300	300	300	300	300
15	Medical Charges	250	250	250	250	250	250	250	250	250	250	250	250
16	Sports Fee	250	250	250	250	250	250	250	250	250	250	250	250
17	Lab Fee/Industrial visit/field work/Internship	3000	3000	6000	2600	3000	0	3000	3000	0	5000	2000	3000
18	Student Academic activities	100	100	100	100	100	100	100	100	100	100	100	100
19	Course Fee	0	0	0	0	0	0	0	0	0	5000	0	0
Total		13900	10900	60200	10070	13900	6900	10900	13900	11900	25500	17000	35900
Total (For SC/ST Students) (Tuition Fee Exempted for SC/ST Students)		9900	9900	24200	7500	9900	5900	9900	10900	5900	20500	12000	9900

Note:

The Annual Fee is to be paid in two Installments i.e. one Installment in each semester.

Installment Details (Except SC/ST)													
1	1st Installment (50%)	6950	5450	30100	5035	6950	3450	5450	6950	5950	12750	8500	17950
2	2nd Installment (50%)	6950	5450	30100	5035	6950	3450	5450	6950	5950	12750	8500	17950

For SC/ST Students: The SC/ST Students may pay their annual fees in three instalments. **First Instalment:** Admission Fees, Enrolment Fees, Identity Card Fee, Insurance Fee, Security deposit. The remaining fees may be paid in two equal instalments upto 15 days from the commencement of the Term End Examinations.

Humanities and Social Sciences: M.A. (Economics, English, Hindi, History, Political Science, Sociology, Sanskrit), M.Com.

Science/ Professional Courses: M.A. (Psychology), M.Sc. (Environmental Studies, Geography, Chemistry, Physics, Mathematics, Statistics, Microbiology, Biochemistry, Nutrition Biology, Biotechnology, Yoga, Data Science, Geoinformatics), M.B.A., LL.B., LL.M., M.C.A., M.A.(JMC), M.H.M.C.T., M.T.T.M., M. Lib. & In. Sc., M.Pharm., M.P.Ed.

CENTRAL UNIVERSITY OF HARYANA

(FEE STRUCTURE)

Ph.D. (1st Year)

S.No.	Account Head	Humanities and Social Sciences	Sciences/ Professional Courses
1	Security Deposit (Refundable)	2000	2000
2	Admission Fee	2500	2500
3	Enrolment Fee	1000	1000
4	Registration Fee	2000	2000
5	Identity Card	100	100
6	Red Cross Fund	80	80
7	NSS fee	20	20
8	Insurance fee	200	200
9	Student Welfare Fund	800	800
10	Annual Day	100	100
11	University Magazine	200	200
12	Library Fee	2000	2000
13	Tuition Fee	1000	1000
14	Electricity/Water charges	600	600
15	Cultural activities Fee	200	200
16	Computer Lab Fee/ Internet Fee/ICT	3000	3000
17	Examination Fee	2000	2000
18	University Development Fund	2100	2100
19	Medical Charges	250	250
20	Sports Fee	250	250
21	Lab Fee/Industrial visit/field work/Internship	0	2000
22	Student Academic activities	200	200
23	Course Fee	0	0
Total		20600	22600
Total (For SC/ST Students)		19600	21600
<i>(Tuition Fee Exempted for SC/ST Students)</i>			

Note:

The Annual Fee is to be paid in two Installments i.e. one Installment in each semester.

Installment Details (Except SC/ST)			
1	1st Installment (50%)	10300	11300
2	2nd Installment (50%)	10300	11300

For SC/ST Students: The SC/ST Students may pay their annual fees in three instalments.

First Instalment: Admission Fees, Enrolment Fees, Identity Card Fee, Insurance Fee, Security deposit. The remaining fees may be paid in two equal instalments upto 15 days from the commencement of the Term End Examinations.

CENTRAL UNIVERSITY OF HARYANA

(FEE STRUCTURE)

Ph.D. (Subsequent/Final Year)

S.No.	Account Head	Humanities and Social Sciences	Sciences/ Professional Courses
1	Red Cross Fund	80	80
2	NSS fee	20	20
3	Insurance fee	200	200
4	Student Welfare Fund	500	500
5	Annual Day	100	100
6	University Magazine	200	200
7	Library Fee	2000	2000
8	Tuition Fee	1000	1000
9	Electricity/Water charges	600	600
10	Cultural activities Fee	200	200
11	Computer Lab Fee/ Internet Fee/ICT	3000	3000
12	Progress Evaluation Fee	2000	2000
13	University Development Fund	2500	2500
14	Medical Charges	250	250
15	Sports Fee	250	250
16	Lab Fee/Industrial visit/field work/Internship	0	2000
17	Student Academic activities	200	200
18	Course Fee	0	0
Total		13100	15100
Total (For SC/ST Students) <i>(Tuition Fee Exempted for SC/ST Students)</i>		12100	14100

Note:

The Annual Fee is to be paid in two Installments i.e. one Installment in each semester.

Installment Details (Except SC/ST)			
1	1st Installment (50%)	6550	7550
2	2nd Installment (50%)	6550	7550

For SC/ST Students: The SC/ST Students may pay their annual fees in three instalments.

First Instalment: Admission Fees, Enrolment Fees, Identity Card Fee, Insurance Fee, Security deposit. The remaining fees may be paid in two equal instalments upto 15 days from the commencement of the Term End Examinations.

OTHER FEE PAYABLE BY THE STUDENTS

S.N.	Particulars	Fee Amount (Rs.)
1.	Duplicate Identity Card	100/-
2.	Migration Certificate	400/-
3.	Provisional Result	250/-
4.	Provisional Degree	300/-
5.	Re-Admission Fee	750/-
6.	Duplicate Detailed Marks Certificate (DMC/Mark sheet)	200/-
7.	Revaluation Fee	1000/- (Per Paper)
8.	Re-Appeal Fee	600/- (Per Paper)
9.	Official Transcript Fee	1000/- (per copy)
10.	Degree Fee/ Duplicate Degree	500/-
11.	Duplicate Hall Ticket	100/-
12.	Verification of Degree/ Marks Card	500/-
13.	Ph.D. thesis Submission	5000/-
14.	M.Phil. thesis Submission	3000/-
15.	Photocopy of Answer Booklets	500/-
16.	Improvement of Grades	3000/-

HOSTEL FEE STRUCTURE**(Payment is to be made online only)**

A) General Category Students		
Semester-I (Payable at the time of admission in the Hostel)		
S.N.	Item	Amount (Rs.)
1.	Annual Charges	4100
2.	Security Fee (Refundable)	2000
3.	Monthly Charges (August to December)	2800
	Total	8900
Semester-II		
1.	Monthly Charges (January to June)	3300
	Total	3300
B) SC/ST Category Students		
Semester-I		
1.	Annual Charges	4100
2.	Security Fee (Refundable)	2000
3.	Monthly Charges (August to December)	2000
	Total	8100
Semester-II		
1.	Monthly Charges (January –June)	2300
	Total	2300

TEACHING FACULTY OF THE UNIVERSITY

S.N.	Name	Designation	Highest Qualification	Experience (in Years)	Specialization	Total Number of Publications and h index
SCHOOL OF BASIC SCIENCES						
Department of Chemistry						
1.	Prof. Harish Kumar	Professor & Head	Ph.D.	20+	Electrochemistry, Corrosion Science, Sensors, Nanotechnology	N: 196 h index: 26
2.	Prof. Vinod Kumar	Professor	Ph.D.	16+	Heterocyclic Chemistry, Green Chemistry, Medicinal Chemistry, Process Development of APIs and Intermediates	N: 99 h index: 27
3.	Prof. Pawan K. Sharma	Professor	Ph.D.	25+	Heterocycles, Organic synthesis	N: 146 h index: 37
4.	Dr. Manoj Kumar Gupta	Assistant Professor	Ph.D.	08+	Organic Synthesis, Medicinal Chemistry, Materials	N: 65 h index: 20
5.	Dr. Prakash Kanoo (On Lien)	Assistant Professor	Ph.D.	08+	Porous Materials, Metal-Organic Frameworks, Catalysis, Improving Performance of Drugs/APIs	N: 29 h index: 20
6.	Dr. Azaj Ansari	Assistant Professor	Ph.D.	08+	Electronic Structures, Spectroscopic Parameters, DSSCs, Reaction Mechanism and Biological Activity	N: 68 h index: 19
7.	Dr. Anindita Chakraborty (Inspire Faculty)	Assistant Professor	Ph.D.	04	Porous Materials, Organometallics, Composites for CO ₂ Capture and Conversion	N: 25 h index: 15

Department of Computer Science and Information Technology						
1.	Prof. Keshav Singh Rawat	Professor & Head	Ph.D.	17	Data Analytics Internet of Things Quantum Computing Fog Computing Cyber Physical System.	N: 27 h index: 15
2.	Prof. Singara Singh Kasana	Professor	Ph.D.	25	Machine Learning, Image and Video Security, Video dehazing, Image Reconstruction, Image Segmentation, Image Compression, Deep Fake Detection, Hyperspectral and Multispectral Image Analysis for real Time Applications.	N: 75 h index: 18
3.	Dr. Pawan Singh	Associate Professor	Ph.D.	15	VANET, Machine Learning & Deep Neural Networks	N: 15 h index: 10
4.	Dr. Sunil Kumar	Assistant Professor	Ph.D.	10	Artificial Intelligence, Computer Networking, Internet of Vehicle	N: 12 h index: 4
5.	Dr. Suraj Arya	Assistant Professor	Ph.D.	07	Database, Information Security, System Automation, Cryptography, Information Encryption Techniques	N:18 h index: 3
6.	Dr. Anoop Kumar Tiwari	Assistant Professor	Ph.D.	07	Computational Intelligence, Machine Learning, Bioinformatics	N: 48 h index: 15
7.	Dr. Priti Maratha	Assistant Professor	Ph.D.	04	Optimization, Machine Learning Networking, Internet of Things	N: 18 h index: 8
Department of Geography						
1.	Prof. M. L. Meena	Professor & Head	Ph.D.	18	Political Geography, Regional Planning and Area Studies	N: 54 h index: 10

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2.	Dr. Jitendra Kumar	Professor	Ph.D.	12	Application of geospatial technologies in urban and regional planning	N: 20 H index: 06
3.	Dr. Manish Kumar	Assistant Professor	Ph.D.	10	Application of remote sensing and GIS in urban and regional planning, land use and land cover dynamics, and Environmental monitoring and modelling among others.	N: 41 h index: 15
4.	Dr. Kheraj	Assistant Professor	Ph.D.	10	Population Study, Social Security, Old age, Migration and Environment	N: 15 h index: 02
5.	Dr. Cheetar Mal Meena	Assistant Professor	Ph.D.	08	Political Geography, Disaster Management, Remote Sensing and GIS	N: 12 h index: 02
6.	Dr Vikram Kr. Ranga	Assistant Professor	Ph.D.	1	Geomorphology, Applications of Remote Sensing and GIS	N: 17 h-index: 9

Department of Mathematics

1.	Dr. A K Yadav	Senior Professor & Head	Ph.D.	32	Image Processing, Mathematical Modelling	N:103 h index: 26
2.	Dr. Rajesh Kumar Gupta	Professor	Ph.D.	20	Nonlinear PDEs	N: 102 h index: 24
3.	Dr. Jitender Kumar	Professor	Ph.D.	13	Mathematical Modelling in Astrophysics, Applied Mathematics	N: 67 h index:16
4.	Dr. Arun Kajla	Assistant Professor	Ph.D.	09	Operators Theory, Approximation Theory	N: 80 h index: 21
5.	Dr. Jagjeet	Assistant Professor	Ph.D.	08	Pure Mathematics	N: 18 h index: 03

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6.	Dr. Shah Jahan	Assistant Professor	Ph.D.	07	Functional Analysis, Frames and Wavelets, Fractional Calculus and Mathematical Modelling	N: 34 h index: 13
7.	Dr. Pawan Kumar	Assistant Professor	Ph.D.	12	Applied Mathematics	N: 18 h index: 10

Department of Physics and Astrophysics

1.	Prof. Sunita Srivastava	Professor & Head	Ph.D.	34	Theoretical Condensed Matter Physics	N: 141 h index: 21
2.	Prof. Suneel Kumar	Professor	Ph.D.	25	Theoretical Nuclear physics; Exptl. Radiation Physics	N: 120 h index: 20
3.	Dr. Ankush vij	Associate Professor	Ph.D.	15	Exptl. Condensed Matter Physics	N: 120 h index: 25
4.	Dr. Rakesh Kumar	Assistant Professor	Ph.D.	10	Exptl. Condensed Matter Physics; anotechnology	N: 29 h index: 15
5.	Dr. Jaswant Yadav	Assistant Professor	Ph.D.	15	Astrophysics	N: 16 h index: 9
6.	Dr. Ramovatar	Assistant Professor	Ph.D.	05	Exptl. Condensed Matter Physics	N: 12 h index: 6
7.	Dr. Meenu Thakur	Assistant Professor	Ph.D.	5.5	Experimental Nuclear Physics	N: 85 h index: 13

Department of Statistics

1.	Prof. Ranjan Kumar Sahoo	Professor & Head	Ph.D.	34	Survey Sampling, Demography	N: 39 h index-2
2.	Dr. Kapil Kumar (On Lien)	Associate Professor	Ph.D.	12	Bayesian Inference	N: 26 h index: 1
3.	Dr. Devendra Kumar (On Lien)	Associate Professor	Ph.D.	11	Order Statistics, Distribution Theory	N: 146 h index: 19

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4.	Dr. Vinay Kumar	Associate Professor	Ph.D.	12	Regression Analysis, Bayesian Computations, Statistical Genetics & Biometrical Methods	N: 48 h index: 06
5.	Dr. Joginder	Associate Professor	Ph.D.	12	Reliability Theory and Modeling, Time Series Analysis	N: 41 h index: 06
6.	Dr. Manoj Kumar (On Lien)	Assistant Professor	Ph.D.	09	Bayesian Inference and Ecological Models	N: 28 h index: 09
7.	Dr. Ravinder Singh	Assistant Professor	Ph.D.	07	Stochastic Modelling, Reliability Analysis, Machine Learning, Artificial Intelligence	N: 20 h index: 6
8.	Dr. Pavitra Kumari	Assistant Professor	Ph.D.	02	Bayesian Inference	N: 13 h index: 3
9.	Dr. Anoop Kumar	Assistant Professor	Ph.D.	3.5	Sample survey, missing data, measurement errors, small area estimation	N: 120, h index: 18

SCHOOL OF BUSINESS AND MANAGEMENT STUDIES

Department of Management Studies

1.	Prof. Sunita Tanwar	Professor & Head	Ph.D.	23	Human Resource Management, Entrepreneurship, HR Analytics & Research Methodology	N: 56 H index: 06
2.	Prof. Anand Sharma	Professor	Ph.D.	25	Finance and Accounting	N: 36 H index: 02
3.	Prof. Ashish Mathur	Professor	Ph.D.	20	Marketing, HR, OB	N: 45 H index: 03
4.	Dr. Ajay Kumar	Assistant Professor	Ph.D.	13	Marketing	N: 12 H-Index: 09
5.	Dr. Divya	Assistant Professor	Ph.D.	12	HR/OB/Banking/ Insurance/Accounting	N: 20 H index:04

Department of Economics						
1.	Dr. Amandeep Verma	Associate Professor & Head	Ph.D.	15	Banking, Green Finance, Green Economy, Financial development and Economic Growth	N: 24 h index: 02
2.	Prof. Ranjan Aneja	Professor	Ph.D.	18	Economic Modelling and Policy Analysis	N: 50 h index: 16
3.	Dr. Sumit Kumar	Associate Professor	Ph.D.	12	Applied Economics, Health Economics	N: 19 h-index: 5
4.	Dr. Rashmi Tanwar	Assistant Professor	Ph.D.	10	Development economics	N: 09
5.	Ms. Renu	Assistant Professor	M.Phil.	12	Rural Development, Labour economics	N: 10
Department of Commerce						
1.	Dr. Rajendra Prasad Meena	Professor & Head	Ph.D.	14	Banking, Finance	N: 12 h index: 01
2.	Prof. Sushila Kumari Soriya	Professor	Ph.D.	13	Accounting, Finance, General Management	N: 04 h index: 08
3.	Dr. Suman	Professor	Ph.D.	16	Corporate Governance, Finance and General Management	N: 01
4.	Dr. Ravinder Kaur	Assistant Professor	Ph.D.	12	Marketing and Finance	N: 05
5.	Dr. Bhushan Singh	Assistant Professor	Ph.D.	08	Finance and Marketing	N: 03
Department of Tourism and Hotel Management						
1.	Prof. (Dr.) Ranbir Singh	Professor	Ph.D	18	Tourism	N: 50 H index: 5

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2.	Prof. (Dr.) Ankush Ambardar	Professor	Ph.D	21	Hotel Management and Hospitality HRM	N: 44 H index: 10
3.	Dr. K N Lokesh	Associate Professor	Ph.D	13	Tourism	N: 18 H index: 2
4.	Dr. Vivek Balyan (On Deputation)	Assistant Professor	Ph.D.	09	Hospitality Management	_N:11 h: 03__
5.	Dr. Anil Kumar	Assistant Professor	Ph.D	04	Community Based Tourism and Impact of Tourism	N: 20 H index: 3
6.	Dr. Amit Kumar	Assistant Professor	Ph.D	16	Tourism Management, Hospitality and Airlines	N: 65 H index: 5
7.	Dr. Vikash Siwach	Assistant Professor	Ph.D	07	Tourism	N: 3 H index: 0
8.	Dr. Jitender Kumar	Assistant Professor	Ph.D	15	Hotel Management and Tourism	N: 10 H index: 1
9.	Dr. Shikha [#]	Assistant Professor	Ph.D	11	Hospitality Operations and Room Divisions	N: 19 H index: 1

SCHOOL OF EDUCATION

Department of Teacher Education

1.	Prof. Parmod Kumar	Professor & Head	Ph.D.	21	Teacher Education, School Education and Educational Technology	N: 34 h index: 02
2.	Prof. Dinesh Chahal	Professor	Ph.D.	22	Teacher Education, School Education	N: 45 h index: 05
3.	Prof. Nand Kishor	Professor	Ph.D.	32	Teacher Education and Educational management and leadership Pedagogy of Social Sciences and languages, IKS,	N: 60 h index: 03
4.	Dr. Renu Yadav	Associate Professor	Ph.D.	15	Gender in Education, Education psychology, Research	N: 54 h index: 05

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5.	Dr. Aarti Yadav	Associate Professor	Ph.D.	14	Educational Technology, Teacher Education	N: 28 h index: 02
6.	Dr. Moroo Mario	Assistant Professor	Ph.D.	1.9	Game of specialization: Football	N: 02 h index: 01
7.	Dr. Saran Prasad	Assistant Professor	Ph.D.	09	Teacher Education	N: 10
8.	Dr. Rajrani Kumari	Assistant Professor	Ph.D.	7 Years 4 Months	Pedagogy of Social Science, Pedagogy of History, Sociology of education, Indigenous and tribal education, Inclusive Education	N: 01
9.	Dr. Mukesh Upadhyay	Assistant Professor	Ph.D.	1 Year 10 Months	Theatre	N: 09
10.	Dr. Devender Kumar	Assistant Professor	Ph.D.	1 Year 10 Months	Pedagogy of Life Sciences, School Education	N: 19
11.	Mr. Dilip Kumar Patel	Assistant Professor	M.Phil.	07	Drawing & Painting (Fine Arts)	N: 07
12.	Dr. Pramod Kumar Gupta	Assistant Professor	Ph.D.	10	Tool Construction	N: 15 h index: 01
13.	Dr. Amit Singh	Assistant Professor	Ph.D.	17	Teacher Education	N: 17
14.	Dr. Rubul Kalita	Assistant Professor	Ph.D.	15	Perspectives in Education	N: 07
15.	Dr. Indu Bala	Assistant Professor	Ph.D.	20	Education, Psychology, English	N: 35 h index: 02
16.	Dr. Archana Yadav	Assistant Professor	Ph.D.	09	Perspectives in Education	N: 11
17.	Dr. Ashish Kumar Dhawan	Assistant Professor	Ph.D.	4 Years 9 Months	Pedagogy of Physical Science	N: 12
18.	Dr. Ajay Kumar	Assistant Professor	Ph.D.	6 Years 9 Months	Pedagogy of physical science	N: 12

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19.	Dr. Mahendar Kakkerla	Assistant Professor	Ph.D.	13	Pedagogy of Mathematics	N: 06
20.	Dr. Kiran Rani	Assistant Professor	Ph.D.	08	Teacher Education	N: 28
21.	Dr. Chandvir	Assistant Professor	Ph.D.	17	Value Based Education, Inclusive Education and Pedagogy of Social Science	N: 14
22.	Dr. Neha Bishnoi	Assistant Professor	Ph.D.	09	Education, Pedagogy of Physical Science	N: 11
23.	Dr. Ritu Bala	Assistant Professor	Ph.D.	17 Years 7 Months	Mathematics Education, Vedic Mathematics, Research and Statistics, Evaluation	N: 15
24.	Mr. Sankalp Sharma	Assistant Professor	Ph.D.	01	Pedagogy of English, Inclusive Education, Education	N:02

Department of Physical Education and Sports

1.	Prof. Jaiprakash Bhukar	Professor & Head	Ph.D.	19	Athletics, Shooting, Sports Psychology, Sports Training	N: 28 h index: 06
2.	Prof. Ravinder Pal Ahlawat	Professor	Ph.D.	25	Athletics, Sports Training	N: 45 h Index: 4
3.	Dr. Parveen Kumar	Associate Professor	Ph.D.	19	Athletics, Yoga & Sports Biomechanics.	N: 18
4.	Dr. Sandeep Dhull	Assistant Professor	Ph.D.	06	Test and Measurement, Hockey, Sports Training	N: 22 h Index: 6
5.	Dr. Kumar.P	Assistant Professor	Ph.D.	5.9	Research, Athletics, Badminton, Research, ICT, Biomechanics and Kinesiology	N: 28 h index: 03

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6.	Dr. Gajender Singh	Assistant Professor	Ph.D.	11	Sports Management, Health Education, Nutrition, Wrestling	N: 16
7.	Dr. Swathi Chaudhary (On Lien)	Assistant Professor	Ph.D.	5.9	Sports Psychology	N: 10
SCHOOL OF ENGINEERING AND TECHNOLOGY						
Department of Computer Science and Engineering						
1.	Prof. Rakesh Kumar	Professor & Head	Ph.D.	20	Wireless Networks, Mobile Computing, Cloud Computing	N: 05 h index:15
2.	Dr. Vipin Kumar	Associate Professor	Ph.D.	10	Machine Learning; Data Science; Data Mining; Text Mining	N: 07 h index: 15
3.	Dr. Vishal Passricha	Assistant Professor	Ph.D.	09	Speech Recognition, Machine Learning, Deep Learning, Information Retrieval	N: 1 h index: 8
4.	Mr. Anant Rajee Bara	Assistant Professor	M.Tech	05	Machine Learning, Deep Learning, Natural Language Processing	N: 01 h index: 2
5.	Dr. Nitin Goyal	Assistant Professor	Ph.D.	16	Wireless Sensor Network, Underwater WSN, Internet of Things	N: 15 h index: 39
6.	Dr. Sushil Kumar	Assistant Professor	Ph.D.	22	Information Retrieval, Machine Learning, Distributed Computing	N: 2 h index: 4
7.	Ms. Sangeeta	Assistant Professor	M.Tech.	07	Soft Computing, Machine Learning	N: 02 h index: 2
Department of Civil Engineering						
1.	Prof. Vikas Garg	Professor & Head	Ph.D.	27	Water Resources Engineering	N: 40 h: 09

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2.	Prof. Bhaskar Das	Professor	Ph.D.	15	Environmental Engineering, Water Resources	N: 62 h: 35 Citation: 5605
3.	Dr. Neeraj Kumar	Assistant Professor	Ph.D.	06	Structural Dynamics and Earthquake Engineering	N: 18 h: 07 Citation: 182
4.	Er. Deepak Rana	Assistant Professor	M. Tech.	08	Geotechnical Engineering	N: 8 h: 02
5.	Dr. Ran Bir Singh	Assistant Professor	Ph.D.	05	Structural Engineering	N: 15 H: 07
6.	Dr. Abhishek Jindal	Assistant Professor	Ph.D.	07	Transportation Engineering	N: 10 h: 05
7.	Dr. Vikas Kumar	Assistant Professor	Ph.D.	09	Structural & Construction Engineering	N: 20 h:07
8.	Er. Sunny Tawar	Assistant Professor	M.Tech	8.5	Highway Safety & Engineering	N: 8 h:01
Department of Electrical Engineering						
1.	Prof. Akash Saxena	Professor & Head	Ph.D.	21	Optimization, Artificial Intelligence	N: 146 h index: 28
2.	Prof. Ajay Kumar Bansal	Professor	Ph.D.	25	Power System, Renewable Energy, Power Electronics	N: 69 h index: 16
3.	Prof. Rajesh Kumar Dubey	Professor	Ph.D.	23	Digital Signal Processing	N: 28 h index: 12
4.	Dr. Sumit Saini	Assistant Professor	Ph.D.	11	Power Electronics, Power Electronics, Image processing	N: 39 H index: 07
5.	Dr. Manish Kumar	Assistant Professor	Ph.D.	13	Power System, Renewable Energy Resources, Deregulated Electric Market, Nodal Price	N: 178 h index: 38
6.	Dr. Munish Manas	Assistant Professor	Ph.D.	12	Power System Engineering	N: 45 h index: 15

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7.	Dr. Kalpana Chauhan	Assistant Professor	Ph.D.	14	EV Charging Infrastructure, Medical Image Processing	N: 66 h index: 14
8.	Dr. Muralidhar Nayak Bhukya	Assistant Professor	Ph.D.	11	Renewable Energy, Power Electronics, Special Machines, Electric Vehicles	N: 36 h index: 12
Department of Printing and Packaging Technology						
1.	Dr. Shammi Mehra	Assistant Professor	Ph.D	13	Printing and Packaging Technology	h index:1
2.	Dr. Sandeep Boora	Assistant Professor	Ph.D.	07	Printing and Packaging Technology	N:01 h index:2
3.	Mr. Anil	Assistant Professor	Pursuing Ph.D. M.Tech	10	Printing and Packaging Technology	-
4.	Mr. Tarun Singh	Assistant Professor	Pursuing Ph.D. M.Tech	11	Printing and Packaging Technology	-
5.	Ms. Suman Kumari [#]	Assistant Professor	Pursuing Ph.D. M.Tech	02	Printing and Packaging	N:01 h index:2
Faculties of Allied Subjects under School of Engineering and Technology						
Mathematics (SoET)						
1.	Prof. Phool Singh	Professor	Ph.D.	19	Computational Mathematics	N: 103 h index: 24
2.	Dr. Preety Kumari	Assistant Professor	Ph.D.	06	Mathematics	-
Chemistry (SoET)						
1.	Prof. Kalpana Chauhan	Professor	Ph.D.	17	Organic Chemistry, Sustainable Materials Chemistry	N: 40 h index: 22
2.	Dr. Amit Kumar	Assistant Professor	Ph.D.	13	Organic Electronics, Energy Storage Devices	N: 64 h index: 22
Physics (SoET)						

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1.	Prof. Manoj Kumar Singh	Professor	Ph.D.	21	Applied Physics, Nanotechnology	N: 148 h index: 53
2.	Dr. Anshu	Assistant Professor	Ph.D.	14	Experimental Condensed Matter Physics; Materials Science and Nanotechnology	N: 77 h index: 31
3.	Dr. Chandni Devi	Assistant Professor	Ph.D.	03	Condensed Matter Physics	N: 20 h index: 07
English Communication (SoET)						
1.	Dr. Pinki	Assistant Professor	Ph.D.	06	Marxist Literary Studies	-
Management Studies (SoET)						
1.	Dr. Manish Kumar	Assistant Professor	Ph.D.	07	Management Studies	N: 04 h index: 01
Environmental Science (SoET)						
1.	Dr. Dushyant Kumar	Assistant Professor	Ph.D.	03	Environment Science and Technology	N: 16 h index: 07
Mechanical Engineering (SoET)						
1.	Dr. Sudhir kumar [#]	Assistant Professor	Ph.D.	06	Mechanical engineering, production engineering, material science, welding engineering	N: 14 h index: 08
1.	Dr. Mohit Mittal [#]	Assistant Professor	Ph.D.	09	Mechanical and Industrial Engg., Composite Materials	N: 20 h index: 07
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES						
Department of English and Foreign Languages						
1.	Prof. Sanjiv Kumar	Professor & Head	Ph.D.	25	Postcolonial Literature, Diaspora Studies	N: 28
2.	Prof. Tanu Gupta	Professor	Ph.D.	26	Postcolonial Literature, Gender Studies, Ecocriticism	N: 103

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3.	Dr. Shaweta Nanda	Associate Professor	PhD	14	Black Studies, Gender Studies, Literature & Visual Arts	N: 19 h index (as per Google Scholar): 01
4.	Dr. Rinu	Assistant Professor	Ph.D.	11	Indian Poetics, Memory and Trauma Studies	N: 14
5.	Dr. Sudeep Kumar	Assistant Professor	Ph.D.	11	Literary Theory and Criticism, Dalit Literature	N: 12
Department of Hindi						
1.	Prof. Bir Pal Singh Yadav	Professor & Head	Ph.D.	20	Hindi Criticism	N: 08
2.	Dr. Kamlesh Kumari	Associate Professor	Ph.D., D.Lit.	18	Hindi Katha Sahitya	N: 08
3.	Dr. Kamraj Sindhu	Associate Professor	Ph.D.	22	Hindi Criticism, Dalit Literature	N: 06
4.	Dr. Siddharth Shanker Rai	Associate Professor	Ph.D.	14	Modern Hindi Poetry, Hindi Criticism	N: 04
5.	Dr. Arvind Singh Tejawat	Assistant Professor	Ph.D.	14	Meeraba and Bhakt Movement, Indian Culture Society and Politics	N: 00
6.	Dr. Amit Kumar	Assistant Professor	Ph.D.	11	Hindi Katha Literature	N: 04
7.	Dr. Reena Swami	Assistant Professor	Ph.D.	11	Madhyakaln Kavya, Asmi Tamulak, Vimarsh	N: 02
Department of History & Archaeology						
1.	Dr. Narender Singh	Associate Professor & Head	Ph.D	11	Archaeology	N: 39
2.	Prof. Tirtharaj Bhoi	Professor	Ph.D	10 Month	Ancient & Medieval History	N: 05
3.	Dr. Kailash Chand Gurjar	Associate Professor	Ph.D	10 Month	Modern History	N: 05
4.	Dr. Abhiranjan Kumar	Assistant Professor	Ph.D	11	Modern India	N: 10
5.	Dr. Kulbhushan Mishra	Assistant Professor	Ph.D	3.5	Archaeology	N: 13
6.	Dr. K.R. Palsaniya	Assistant Professor	Ph.D	4.3	Medieval History	N: 11

Department of Journalism and Mass Communication						
1.	Dr. Ashok Kumar	Professor & Head	Ph.D.	23	Print Communication, Digital Journalism	N: 38
2.	Dr Amita	Associate Professor	Ph.D.	12	Print Communication, Digital Journalism	N: 25
3.	Dr. Pankaj Kumar	Assistant Professor	Ph.D.	12	Journalism and Mass Communication	-
4.	Dr. Surender	Assistant Professor	Ph.D.	14	Public relation	N: 12
5.	Dr. Alekh S. Nayak	Assistant Professor	Ph.D.	10	Newmedia, audio-visual production	N: 13
6.	Dr. Neeraj Karan Singh	Assistant Professor	Ph.D.	14	TV Journalism and Direction production	N: 25
7.	Dr. Bharti Batra [#]	Assistant Professor	Ph.D.	09	New Media, Public Relations	N: 20
Department of Political Science						
1.	Prof. Rajeev Kumar Singh	Professor & Head of the Dept.	Ph.D.	12	Political Theory, Political Thought, Minority Politics, International Relations, Social exclusion	N: 32 h index: 03
2.	Prof. Chanchal Kumar Sharma	Professor	Ph.D.	15	India's Political Economy and Fiscal Federalism	N: 89 h index: 16
3.	Prof. Ramesh Kumar	Professor	Ph.D.	15	International Politics, International Organisations, South Asia, India's Foreign policy and Indian Govt. & Politics	N: 25 h index: 1
4.	Dr. Mukesh Mishra	Associate Professor	Ph.D.	11	Central Asia, Foreign policy, Comparative politics.	N: 25
5.	Ms. Shweta Sohal	Assistant Professor	M.A.	04	Indian Political Thought and Indian Polity	-
Department of Psychology						
1.	Prof. Payal Kanwar Chandel	Professor & Head	Ph.D.	21	Positive Psychology, Social Psychology, Women Studies, Technology Interventions, Organizational Behaviour	N: 74 h index: 05

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2.	Prof. Vishva Chaudhary	Professor	Ph.D.	13	Clinical Psychology, Social Psychology, Counselling Psychology, Spiritual Psychology, Positive Psychology	N: 26 h index: 01
3.	Dr. Pradeep Kumar	Assistant Professor	M. Phil., Ph. D.	12	Personality, Mental Abilities, Psychometrics	N: 32 h index: 05
4.	Dr. Vishnu N. Kucheria	Assistant Professor	Ph.D.	07	Industrial, Organizational and Personnel Psychology	N: 13 h index: 01
5.	Dr. Ravi Pratap Pandey	Assistant Professor	Ph.D.	07	Clinical Psychology, Health Psychology, Social Psychology, Addiction Psychology	N: 38 h index: 04
6.	Dr. Ritu Sharma (On Lien)	Assistant Professor	Ph.D.	10	Organizational Behaviour, Social Psychology, Personality, Indian Psychology, Criminal Psychology, Positive Psychology	N: 52 h index: 09
Department of Sanskrit						
1.	Dr. Devendra Singh Rajput	Assistant Professor & Teacher-in-Charge	Ph.D.	08	Computational Sanskrit, Indian Philosophy and Indian Knowledge Tradition	N: 09
2.	Dr. Suman Rani	Assistant Professor	Ph.D.	07	Vyakaran, Veda, Darshan	N: 38
Department of Sociology						
1.	Dr. Yudhvir	Assistant Professor & Teacher-in-Charge	Ph.D.	08	Sociological Thinkers, Indian Society, Polity and Society, Urban Sociology, Research Methodology.	NA
2.	Dr. T. Longkoi Khiamiungan	Assistant Professor	Ph.D.	12	Political Sociology, Social Stratification and Inequality	N: 03

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3.	Dr. Reema Gill	Assistant Professor	Ph.D.	15	Sociology of Health and Medicine, Sociology of Population, Research Methodology	N: 05
4.	Tanvi Bhati	Assistant Professor	MA, M.Ed, M.Phil., Ph.D. (Submitted)	02	Sociology (Gender and Space, Anthropology of Everyday, Education Women's and Tribal Issues	00
SCHOOL OF INTERDISCIPLINARY AND APPLIED SCIENCES						
Department of Biochemistry						
1.	Prof. Antresh Kumar	Professor & Head	Ph.D.	18	Discovery and development of antifungals & antimicrobials against <i>C. albicans</i> and <i>S. aureus</i>	N: 69 h index: 19
2.	Prof. Neelam Singh Sangwan	Professor	Ph.D.	36	Plant Biochemistry, Plant Secondary Metabolites, Functional Genomics, Medicinal and Aromatic Plants.	N: 155 h index: 43
3.	Prof. Pawan Kumar Maurya	Professor	Ph.D.	15	Oxidative stress	N: 123 h index: 40
4.	Dr. Usha Nagarajan	Assistant Professor	Ph.D.	19	Developmental Biology, Cancer Biology, Genetics	N: 16 h index: 09
5.	Dr. Saurabh C Saxena	Assistant Professor	Ph.D.	14	Plant Stress and Development, Functional Genomics	N: 34 h index: 15
6.	Dr. Mulaka Maruthi	Assistant Professor	Ph.D.	09	Parasitology, Host-parasite interactions of Plasmodium and Toxoplasma, and mitochondrial physiology	N: 43 h index: 11
7.	Dr. Neelam	Assistant Professor	Ph.D.	03	Nanotechnology, Biosensor, Biophysics, Biotechnology, Pharmaceutical Sciences, Food nanotechnology	N: 34 h index: 17

Department of Biotechnology						
1.	Dr. Rupesh Deshmukh	Associate Professor & Head	Ph.D.	14	Molecular Biology	N: 210 h index: 58
2.	Prof. Bijender Singh	Professor & Head	Ph.D.	16	Microbial Biotechnology	N: 135 h index: 40
3.	Dr. Ram Gopal Nitharwal	Assistant Professor	Ph.D.	14	Life Sciences	N: 19 h index: 11
4.	Dr. Inderjeet Kaur	Assistant Professor	Ph.D.	13.5	Omics and Infectious diseases	N: 47 h index: 19
5.	Dr. Namrata Dhaka	Assistant Professor	Ph.D.	8.5	Crop genetics and omics	N: 21 h index: 10
6.	Dr. Ravi Kumar	Assistant Professor	Ph.D.	10.5	Bioinformatics	N: 11 h index: 09
Department of Microbiology						
1.	Prof. Vikas Beniwal	Professor & Head	Ph.D.	15	Industrial Microbiology	N:121 h index: 30
2.	Prof. Gunjan Goel	Professor	Ph.D.	18	Food Microbiology	N: 130 h index: 34
3.	Prof. Surender Singh	Professor & Head	Ph.D.	17	Agriculture and applied microbiology	N: 140 h index: 41
4.	Dr. Avijit Pramanik	Assistant Professor	Ph.D.	12	Medical microbiology, molecular microbiology	N: 19 h index: 11
5.	Dr. Puja Yadav	Assistant Professor	Ph.D.	14	Infectious Diseases, Microbial Genetics	N: 20 h Index: 14
6.	Dr. Jitendra Kumar Saini	Assistant Professor	Ph.D.	15	Industrial Microbiology	N: 54 h index: 25
7.	Dr. Vinod Yadav	Assistant Professor	Ph.D.	11	Medical Microbiology and Immunology	N: 22 h index: 12

Department of Nutrition Biology						
1	Prof. Kanti Prakash Sharma	Professor & Head	Ph.D.	19	Nutraceuticals and Functional Food Development	N: 32 h index: 14
2	Dr. Umesh Kumar	Associate Professor	Ph.D.	12	Nano-Biotechnology	N: 44 h index: 16
3	Dr. Vidyullatha Peddireddy	Associate Professor	Ph.D.	12	Clinical Microbiology & Molecular Biology	N: 32 h index: 13
4	Dr. Savita Budhwar	Associate Professor	Ph.D.	15	Food Science and Nutrition	N: 29 h index: 06
5	Dr. Ashwani Kumar	Associate Professor	Ph.D.	18	Food and Nutritional Biotechnology	N: 87 h index: 23
6	Dr. Tejpal Dhewa	Associate Professor	Ph.D.	20	Food Microbiology and Nutrition Biology	N: 90 h index: 27
7	Dr. Anita Kumari	Assistant Professor	Ph.D.	12	Food and Nutrition	N: 63 h index: 09
Department of Pharmaceutical Sciences						
1	Dr. Dinesh Kumar	Associate Professor & Head	Ph.D.	21	Pharmacognosy	N: 87 h index: 30
2	Dr. Vipin Kumar Parihar	Professor	Ph.D.	22	Pharmacology	N: 55 h index: 42
3	Dr. Sumit Kumar	Assistant Professor	Ph.D.	15	Pharmaceutics	N: 30 h index: 12
4	Dr. Tarun Kumar	Assistant Professor	Ph.D.	13	Pharmacognosy	N: 32 h index: 10
5	Dr. Ashok Jangra	Assistant Professor	Ph.D.	09	Pharmacology	N: 54 h index: 25
6	Dr. Manisha Pandey	Assistant Professor	Ph.D.	12	Pharmaceutics	N: 140+ h index: 47

Department of Environmental Studies						
1.	Dr. Anita	Associate Professor & Head	Ph.D.	13	Bioenergy	N: 03 h index: 29
2.	Dr. Mona Sharma	Professor	Ph.D.	13	Phycoprospecting algae for biofuel, wastewater remediation, and high-value products	N: 09 h index: 20
3.	Dr. Anoop Yadav	Assistant Professor	Ph.D.	15	Biovalorisation of wastes, Management of solid and industrial wastes, Water and air pollution monitoring and management	N: 06 h index: 20
4.	Dr. Bhupendra P. Singh	Assistant Professor	Ph.D.	09	Atmospheric Chemistry associated with health risk	N: 08 h index: 20
5.	Dr. Smita	Assistant Professor	Ph.D.	07	Bioenergy, Wastewater Treatment Bioremediation Nature based solutions	N:Nil h index: 39
6.	Dr. Vikram Singh	Assistant Professor	Ph.D.	03	Biodiesel	N:1 h index: Nil
Department of Library and Information Science						
1.	Prof . Shri Ram Pandey	Professor & Head	Ph.D.	15	Library and Information Science	Citation: 428 h index: 10
2.	Prof. Dinesh kumar Gupta	Senior Professor	Ph.D.	36	Library and Information Science	Citation=752 h index: 16
3.	Dr. Amit [#]	Assistant Professor	Ph.D.	07	Library and Information Science	Citation=75 h index: 3

Department of Yoga						
1.	Dr. Naveen	Assistant Professor & Teacher-in-Charge	Ph.D.	03	Yoga	-
2.	Dr. Ajay Pal	Assistant Professor	Ph.D.	11	Yoga	h index: 03
SCHOOL OF LAW						
Department of Law						
1.	Dr. Pardeep Singh	Associate Professor & Head	Ph.D.	14	Constitutional Law	N: 04
2.	Prof. Rajesh Kumar Malik	Professor	Ph.D.	18	Labour Law & Service Law	N: 49
3.	Dr. Samiksha Godara	Associate Professor	Ph.D.	13	Criminal Law	N: 08
4.	Dr. Anju	Associate Professor	Ph.D.	12	Criminal Law	N: 01
5.	Dr. Dharam Pal Singh Punia	Associate Professor	Ph.D.	13	Criminal Law	N: 15
6.	Sh. Rakesh Meena	Assistant Professor	L.L.M.	12	Human Rights, International Humanitarian Law	-
SCHOOL OF LIFE LONG LEARNING						
Department of Vocational Studies and Skill Development						
1.	Dr. Suyash Mishra [#]	Assistant Professor	Ph.D.	11	Retail and Logistics Management, Marketing and Finance	N: 20
2.	Dr. Richa [#]	Assistant Professor	Ph.D.	07	Chemistry, Bioinorganic Chemistry, Medicinal Chemistry	N: 09 h index: 03

Central University of Haryana

3.	Dr. Anuranjeeta*	Guest Faculty	Ph.D.	04	Biotechnology Microbiology, Biochemistry, Bioinformatics	N: 08 h index: 03
4.	Dr. Mamta Raghav*	Guest Faculty	Ph.D.	03	Microbiology	N: 09 h index: 06
5.	Tapeesh Bharti*	Guest Faculty	M.Sc.	07	Analytical Chemistry, Applied Chemistry	N: 04
6.	Dr. Pradeep Kumar*	Guest Faculty	Ph.D.	07	Air pollution	N: 10 H index: 4
7.	Dr. Sunil Kumar*	Guest Faculty	Ph.D.	07	Environmental Studies	N: 07
8.	Shalu Saini*	Guest Faculty	M.Sc.	08	Environmental Studies	N: 03 H index: 01
9.	Naseeb*	Guest Faculty	M.Sc.	07	Inorganic	N: 06
10.	Pinky*	Guest Faculty	M.Sc., NET	07	Environmental Studies	N: 02 H index: 1
11.	Dr. Reetu Saini	Guest faculty	Ph.D.	1.5	Microbiology	N:17 H index: 15

#Faculty on Contract, * Guest Faculty

RESEARCH PAPER PUBLISHED (2024-25)

S.N	Research Papers	Impact Factor
School of Basic Science		
Department of Chemistry		
1	Kumar, P., Singh, D., & Kumar, H. (2024). Orangish-red light emitting LaSr ₂ AlO ₅ :Sm ³⁺ nanophosphors for warm LEDs: Crystallographic, photoluminescence characteristics with high color purity and thermal stability. <i>Materials Chemistry and Physics</i> , 320, 129418–129418. https://doi.org/10.1016/j.matchemphys.2024.129418	4.6
2	Kumar, P., Singh, D., Sonika Kadyan, Kumar, H., & Kumar, R. (2024b). Cool green-emissive Y ₂ Si ₂ O ₇ :Tb ³⁺ nanophosphor: auto-combustion synthesis and structural and photoluminescence characteristics with good thermal stability for lighting applications. <i>RSC Advances</i> , 14(23), 16560–16573. https://doi.org/10.1039/d4ra02571g	5.01
3	Rani, G., None Siddharth, Rachna Ahlawat, & Kumar, H. (2024). A Comprehensive Review on the Synthesis, Doping, and Characterization Techniques of Carbon Quantum Dots for Their Multifaceted Applications. <i>Comments on Inorganic Chemistry</i> , 145(9), 1–38. https://doi.org/10.1080/02603594.2024.2353563	5.4
4	Kumar, P., Singh, D., Kadyan, S., Kumar, H., & Kumar, R. (2024). Insights into opto-electronic investigation of highly pure reddish-orange light emissive Sm ³⁺ doped Y ₂ Si ₂ O ₇ phosphors: Tailored for NUV-excitable white light emitting diodes. <i>Journal of Molecular Structure</i> , 1314, 138727. https://doi.org/10.1016/j.molstruc.2024.138727	3.8
5	Kumar, P., Singh, D., Singh, S., Kumar, H., & Kumar, R. (2024). Realization of a green-emitting pyrosilicate-structured Er ³⁺ -activated Y ₂ Si ₂ O ₇ phosphor: a systematic study of opto-electronic characteristics and thermal stability for lighting applications. <i>RSC Advances</i> , 14(26), 18716–18729. https://doi.org/10.1039/d4ra03833a	5.01
6	Nunach, A. K., Rani, G., Ahlawat, R., & Kumar, H. (2024). Evaluation of Boerhaavia diffusa roots extract as a sustainable corrosion inhibitor for mild steel in sulfuric acid environments. <i>Vietnam Journal of Chemistry</i> , 1. https://doi.org/10.1002/vjch.202400159	0.73
7	Kumari, R., Kumar, H., Barman, V., & Rajni Mohil. (2024). Mixed metal oxide nanocomposites for enhanced electrochemical detection of nitrite in food products. <i>Journal of Food Composition and Analysis</i> , 139, 107137–107137. https://doi.org/10.1016/j.jfca.2024.107137	4.1
8	Kumar, P., Singh, D., Sonika Kadyan, Kumar, H., & Kumar, R. (2024). Comprehensive investigation of Y ₂ Si ₂ O ₇ :Eu ³⁺ nanophosphors for w-LEDs: Structural, Judd-Ofelt calculation and photoluminescent characteristic with high color purity and thermal stability. <i>Ceramics International</i> , 50(19), 34596–34608. https://doi.org/10.1016/j.ceramint.2024.06.267	5.2
9	Singh, R., Sindhu, J., Devi, M., Kumar, P., Lal, S., Kumar, A., ... Kumar, H. (2024). Synthesis of thiazolidine-2,4-dione tethered 1,2,3-triazoles as α -amylase inhibitors: In vitro approach coupled with QSAR, molecular docking, molecular dynamics and ADMET studies. <i>European Journal of Medicinal Chemistry</i> , 275, 116623–116623. https://doi.org/10.1016/j.ejmech.2024.116623	6.7

10	Narayan, L., Kumar, P., Sindhu, J., Kumar, A., Singh, D., Lal, S., & Kumar, H. (2024). Quinoxaline-linked N-acyl hydrazine: A “turn-off” fluorescent probe for the selective recognition of Fe ³⁺ in real water samples. <i>Journal of Photochemistry and Photobiology. A, Chemistry</i> , 457, 115857–115857. https://doi.org/10.1016/j.jphotochem.2024.115857	4.3
11	Bhawna, Rani, G., Sanju Bala Dhull, Suman, N., Kumar, H., & Kumar, N. (2025). Boosting supercapacitor performance and thermal stability: transforming PANI nanorods into a ternary interconnected mesh structure. <i>Emergent Materials</i> , 1. https://doi.org/10.1007/s42247-025-01080-1	4.8
12	Bathla, S., Verma, A., Amin, I., & Kumar, A. (2025). Effect of high-k dielectrics on sensitivity of dual gate p-type OFET biosensor Available to Purchase. <i>AIP Conf. Proc.</i> 3258, 020024 (2025) https://doi.org/10.1063/5.0262252	0.153
13	Sangwan, A., Kumar, V., Gupta, N., Kumar, S., & Kumar, A. (2024). Charge transport studies of doped metal quinolates using transient electro luminescence. <i>Essential Chem</i> , 1(1), 1–8. https://doi.org/10.1080/28378083.2024.2427830	-
14	Sangwan, A., Kumar, V., Kumar, S., et al. (2024). Investigation of charge carrier mobility of tris(8-hydroxyquinolinato) aluminum doped with substituted lithium quinolate complexes. <i>Prot Met Phys Chem Surf</i> , 60, 906–911. https://doi.org/10.1134/S2070205124702289	0.8
15	Kumar, V., Gupta, N., Yadav, A., et al. (2024). Enhancing solar photovoltaic system efficiency: Recent progress on its cooling techniques. <i>Int J Thermophys</i> , 45, 113. https://doi.org/10.1007/s10765-024-03409-0	2.9
16	S. Bathla et al. (2024). J. Nano- Electron. Phys. 16(5), 05014. https://doi.org/10.21272/jnep.16(5).05014	0.445
17	Sangwan, A., Antim, Yadav, V. et al. (2025). Solvent-Dependent Optoelectronic Properties and Charge Transport Study of Aluminum Quinoline Complexes. <i>J. Electron. Mater.</i> , 54, 5677–5689. https://doi.org/10.1007/s11664-025-11970-z	2.5
18	Kumar, P., Singh, D., Gupta, I., Kumar, H., & Kumar, R. (2024). Optoelectronic investigation of pyrosilicate based Y ₂ Si ₂ O ₇ :Dy ³⁺ nanophosphor: A prospective white light emitter for NUV based-wLEDs. <i>Inorganic Chemistry Communications</i> , 168, 112861–112861. https://doi.org/10.1016/j.inoche.2024.112861	4.4
19	Rani, K., Kumar, R., Singh, D., Kumar, H., Kumar, P., & Kumar, S. (2024). Adsorption Studies of Imidacloprid from Aqueous Solution using Polyacrylamide Coated Magnetite Nanoparticles as a Potential Nano-adsorbent. <i>Biointerface Research in Applied Chemistry</i> , 14(4), 88. https://doi.org/10.33263/briac144.088	2.74
20	Kumar, V., Lal, S., Kumar, S., Kumar, P., & Kumar, H. (2024). Mechanical, thermal and biodegradation studies of highly degradable composite films of pectin/guar gum/polyvinylpyrrolidone with rice crop residues: a future vision of packaging and mulch films. <i>Indian Chemical Engineer</i> , 66(6), 621–635. https://doi.org/10.1080/00194506.2024.2377572	1.5
21	Suman, N., Rani, G., Rachna Ahlawat, & Kumar, H. (2024). Green source-based carbon quantum dots, composites, and key factors for high-performance of supercapacitors. <i>Journal of Power Sources</i> , 617, 235170–235170. https://doi.org/10.1016/j.jpowsour.2024.235170	8.1
22	Kumar, H., Kumari, R., Singh, D., & Bindu Mangla. (2024). Advances in Nanomaterials based Electrochemical Sensors for Rapid Detection of Food Additives: A Comprehensive Review. <i>TrAC Trends in Analytical Chemistry</i> , 118, 118011–118011. https://doi.org/10.1016/j.trac.2024.118011	13.1

23	Arya, K., Kumar, A., Sharma, A., Thakur, K., Kumar, R., Mehta, S. K., Kataria, R. (2024). Light-assisted synergistic effect of Zn-MOF@rGO nanocomposite for methylene blue degradation and toxicity analysis to water reclamation. <i>Inorganic Chemistry Communications</i> , 173, 113768–113768. https://doi.org/10.1016/j.inoche.2024.113768	5.4
24	Kumari, P., Das, A., Kumar, A., None Jyoti, Choudhary, M., Yadav, P., Kumar, V. (2025). Zinc(II) Complexes: Synthetic and antiviral Perspective. <i>Inorganic Chemistry Communications</i> , 177, 114355–114355. https://doi.org/10.1016/j.inoche.2025.114355	5.4
25	Kumar, A., Sharma, T., Jyoti, Singh, B., Kataria, R., Singh, J., & Kumar, V. (2025). Exploring the synthetic developments and pharmacological potential of 2-amino/hydrazino-4-arylthiazoles: a review. <i>Journal of Sulfur Chemistry</i> , 46, 1–48. https://doi.org/10.1080/17415993.2025.2491527	2.1
26	Richa, Kumari, M., Pragya, Gupta, P., Gautam, S., Poonia, G., kataria, R. (2025). Synthesis, structural characterization, and biological evaluation of Ni(II), Zn(II), and Cu(II) complexes with Schiff base derived from dehydroacetic acid. <i>Inorganic Chemistry Communications</i> , 178, 114578. https://doi.org/10.1016/j.inoche.2025.114578	5.4
27	Anurag Sangwan, Antim, Yadav, V., Palai, A. K., Kumar, V., Yadav, J. K., Kumar, A. (2025). Solvent-Dependent Optoelectronic Properties and Charge Transport Study of Aluminum Quinoline Complexes. <i>Journal of Electronic Materials</i> , 52. https://doi.org/10.1007/s11664-025-11970-z	2.5
28	Kumar, A., Kumar, M., Brahma, M., Prakash, S., Kumar, A., Maruthi, M., Kumar, V. (2025). Design, synthesis, characterization and exploration of biological potential of new thiazole-pyrazolone hybrids. <i>Journal of Molecular Structure</i> , 1348, 143296. https://doi.org/10.1016/j.molstruc.2025.143296	4.7
29	Sharma, R., Kumar, H., Saini, C., Yadav, D., Yadav, K., Saloni, ... Rani, G. (2025). Revolutionizing material science: Enhanced functionalities through reduced graphene oxide/Al ₂ O ₃ /CuO/TiO ₂ nanocomposites. <i>Journal of Molecular Structure</i> , 1323, 140763. https://doi.org/10.1016/j.molstruc.2024.140763	4
30	Sharma, R., Kumar, H., Kumari, R., Kumar, G., Swami, B., Kumar, A., ... Kumar, R. (2024). Next-generation nanocomposites: Optimizing Al ₂ O ₃ -CuO-ZnO and reduced graphene oxide for enhanced performance. <i>Next Nanotechnology</i> , 7, 100119–100119. https://doi.org/10.1016/j.nxnano.2024.100119	0
31	Devi, M., Sindhu, J., Singh, R., Lal, S., Kumar, A., Singh, D., ... Kumar, P. (2024). Synthesis, C-N/N-N Bond Conformational Analysis and Evaluation of Naphtho[2,3-d][1,2,3]triazole-4,9-dione tethered N-acyl Hydrazones as α -Amylase Inhibitors: Insights from Molecular Modeling and ADMET Analysis. <i>Journal of Molecular Structure</i> , 1322, 140390–140390. https://doi.org/10.1016/j.molstruc.2024.140390	4.4
32	Sangwan, P., Kumar, H., Yadav, A., Rani, J., Sudesh, Meenakshi, & Kumar, R. (2024). Evaluation of antibacterial efficacy of iron oxide nanoparticles against <i>Vibrio vulnificus</i> : A comparative study with standard antibiotics. <i>Journal of the Indian Chemical Society</i> , 101(12), 101457. https://doi.org/10.1016/j.jics.2024.101457	3.2
33	Rashmi Sehrawat, Priya Vashishth, Chaudhri, V., Rashmi Pundeer, Kumar, H., Ebenso, E. E., & Bindu Mangla. (2024). Synergistic corrosion inhibition of mild steel by chalcone derivatives and KI in acidic media via computational and experimental methods. <i>Progress in Organic Coatings</i> , 198, 108911–108911. https://doi.org/10.1016/j.porgcoat.2024.108911	6.5

34	Ankit Dhayal, Kumar, H., Shaurya Prakesh, Kumar, A., Mettle Brahma, & Mulaka Maruthi. (2024). Development of starch/whey protein isolate biofilm incorporated with silver oxide nanoparticles: A multifunctional antioxidant, antibacterial, photocatalytic, and anticancer agent. <i>Inorganic Chemistry Communications</i> , 117, 113661–113661. https://doi.org/10.1016/j.inoche.2024.113661	4.4
35	None Manisha, Dhanda, M., Varij Panwar, Lata, S., Kumar, H., & Sharma, A. (2024). Exploring the effect of magnesium oxide on electrochemical properties of polypyrrole encapsulated on graphitic carbon nitride for supercapacitors applications. <i>Journal of Energy Storage</i> , 106, 114698–114698. https://doi.org/10.1016/j.est.2024.114698	8.9
36	Kumar, J., Kumar, R., Singh, D., Kumar, H., Jangra, A., & Gupta, P. (2025). Non-template Tailored Macrocyclic Complexes: Synthesis, Characterization, Biological and Computational Studies. <i>Applied Organometallic Chemistry</i> , 39(2). https://doi.org/10.1002/aoc.70022	4.1
37	Kumar, G., Kumar, H., Kumari, R., Tundwal, A., Dhayal, A., Yadav, A., & Sharma, R. (2025). Flexible rGO/Cu/Ni/ZnO nanocomposites with enhanced optoelectronic, anticorrosive, photocatalytic, and magnetic properties. <i>Inorganic Chemistry Communications</i> , 176, 114202. https://doi.org/10.1016/j.inoche.2025.114202	4.4
38	None Manisha, M. Taqi Qaeemy, Dhanda, M., Lata, S., Kumar, H., & Sharma, A. (2025). Optimization of Nb ₂ O ₅ /g-C ₃ N ₄ /PPy as an electrode material for prevailing electrochemical performance. <i>Frontiers in Energy Research</i> , 13(12). https://doi.org/10.3389/fenrg.2025.1511271	0
39	None Manisha, M. Taqi Qaeemy, Dhanda, M., Lata, S., Kumar, H., & Sharma, A. (2025). Optimization of Nb ₂ O ₅ /g-C ₃ N ₄ /PPy as an electrode material for prevailing electrochemical performance. <i>Frontiers in Energy Research</i> , 13(12). https://doi.org/10.3389/fenrg.2025.1511271	2.6
40	Khan, M., Tahir, M. N., Adil, S. F., Khan, H. U., Siddiqui, M. R. H., Al-warthan, A. A., & Tremel, W. (2015). Graphene based metal and metal oxide nanocomposites: synthesis, properties and their applications. <i>Journal of Materials Chemistry A</i> , 3(37), 18753–18808. https://doi.org/10.1039/c5ta02240a	4.4
41	Sharma, D., Kumar, H., & Kumar, S. (2025). Magnetic field and dissolved oxygen assisted ultra-high photocatalytic activity of α - γ -Fe ₂ O ₃ heterophase wrapped with rGO sheets for the removal of rifampicin. <i>Applied Materials Today</i> , 44(44), 102706. https://doi.org/10.1016/j.apmt.2025.102706	8.6
42	Sharma, D., Kumar, H., & Kumar, S. (2025). Magnetic field and dissolved oxygen assisted ultra-high photocatalytic activity of α - γ -Fe ₂ O ₃ heterophase wrapped with rGO sheets for the removal of rifampicin. <i>Applied Materials Today</i> , 44(44), 102706. https://doi.org/10.1016/j.apmt.2025.102706	7.2
43	Redhu, S., Singh, D., Hooda, A., Nehra, K., Kumar, S., Malik, R. S., ... Kumar, H. (2025). Judd-Ofelt analysis and optoelectronic properties of red-emissive Eu(III) complexes with fluorinated β -diketones and N-heterocyclic ligands. <i>Materials Science in Semiconductor Processing</i> , 199(199), 109826. https://doi.org/10.1016/j.mssp.2025.109826	2.7
44	Redhu, S., Singh, D., Hooda, A., Nehra, K., Kumar, S., Malik, R. S., ... Kumar, H. (2025). Judd-Ofelt analysis and optoelectronic properties of red-emissive Eu(III) complexes with fluorinated β -diketones and N-heterocyclic ligands. <i>Materials Science in Semiconductor Processing</i> , 199(199), 109826. https://doi.org/10.1016/j.mssp.2025.109826	4

45	Redhu, S., Singh, D., Hooda, A., Nehra, K., Kumar, S., Malik, R. S., ... Kumar, H. (2025). Judd-Ofelt analysis and optoelectronic properties of red-emissive Eu(III) complexes with fluorinated β -diketones and N-heterocyclic ligands. <i>Materials Science in Semiconductor Processing</i> , 199(199), 109826. https://doi.org/10.1016/j.mssp.2025.109826	4.6
46	Negi, S., Sharma, S., Pant, D., Sharma, S., Chauhan, K., Giri, A., Kumar, M., & Parida, K. (2025). Thermophiles in nanosized bio-calcification: A novel approach for heavy metal remediation. <i>Biometals</i> . https://doi.org/10.1007/s10534-025-00700-x	3.6
47	Monika, Chander, Kumar, S., Sharma, D., Parikh, J., Padhiyar, N., Jain, V. K., Muhammad, R., Sharma, P. K., Modi, K., & Ram, S. (2025). 5-(4-chlorophenyl)-1-(4-sulphamoylphenyl)-1H-1,2,3-triazole-4-carbothioamide: UV-Vis chemosensor for Cu ²⁺ ions and potent non-toxic biological agent. <i>Journal of Chemical Sciences</i> , 137(53). https://doi.org/10.1007/s12039-025-02377-8	2
48	Virender, V., Pandey, V., Singh, G., Sharma, P. K., Bhatia, P., Solovev, A. A., & Mohan, B. (2025). Hybrid metal-organic frameworks (MOFs) for various catalysis applications. <i>Topics in Current Chemistry</i> , 383(3). https://doi.org/10.1007/s41061-024-00486-5	8.2
49	Saini, P., Jyoti, Sharma, P. K., & Singh, V. (2025). β -Halovinyl aldehydes: Multifaceted versatile building blocks in organic synthesis. <i>European Journal of Organic Chemistry</i> , 2025(28), e202401058. https://doi.org/10.1002/ejoc.202401058	2.7
50	Savita, Kaur, J., Kaur, N., Arya, A., Siwach, K., Dhiman, R., Sharma, P. K., & Sharma, A. (2025). Impact of functionalised silicon carbide NPs on the mechanical and dielectric performance of sago starc based nanocomposites. <i>Materials Chemistry and Physics</i> , 332, 130264. https://doi.org/10.1016/j.matchemphys.2024.130264	4.7
51	Panwar, V., Sengupta, S., Kumar, S., Singh, P. P., Kumar, A., Azizov, S., Gupta, M. K., Kumar, D. (2024). Discovery, lead identification and exploration of potential oxadiazole derivatives in targeting STAT3 as anti-cancer agents. <i>In Silico Pharmacology</i> , 12, 83. Publisher: Springer First published – 14th September 2024	-
52	Kumar, A., Kaushal, A., Verma, P. K., Gupta, M. K., Chandra, G., Kumar, U., Yadav, A. K., Kumar, D. (2024). An insight into recent developments in imidazole based heterocyclic compounds as anticancer agents: Synthesis, SARs, and mechanism of actions. <i>European Journal of Medicinal Chemistry</i> , 280, 116896. Publisher: Elsevier First published – 21st September 2024	5.9
53	Lutomia, D., Poria, R., Kala, D., Singh, A. K., Gupta, M. K., Kumar, D., Kaushal, A., Gupta, S. (2025). Unlocking the Potential of 2D Nanomaterials with biosensors in biomarker-based detection of Helicobacter pylori. <i>Materials Advances</i> , 6, 117-142. Publisher: Royal Society of Chemistry First Published: 18th November 2024	4.7
54	Monika, Meenakshi, Kumar, A., Ahmed, M., Ansari, A., Gupta, M. K.* (2025). Long Alkyl Chain Hydroxylalkanamide-Based Gels for Efficient Phase-Selective Metal Ion Removal and Oil Spill Recovery. <i>Chemistry Select</i> , 10, e202405608. Publisher: Wiley Online Publication – 3rd May 2025	2
55	Panwar, V., Rohila, Y., Singh, A., Meenakshi, Singh, B., Gupta, M. K., Garg, M., Kumar, D. (2025). Design, synthesis, in silico, anticancer evaluations of N-acylhydrazones derivatives as STAT3 inhibitors. <i>Future Medicinal Chemistry</i> , 17, 1509–1519. Publisher - Taylor & Francis First Published - 14-07-2025	3.4

56	Sebastian, S., Rohila, Y., Meenakshi, Ansari, A., Sengupta, S., Kumar, D., Srivastava, N., Kumar, L., & Gupta, M. K. (2024). Anti-quorum sensing activity of α -amidoamides against <i>Agrobacterium tumefaciens</i> NT1: Insights from Molecular Docking and Dynamic Investigations to Synergistic Approach of Metronidazole Release from Gel Formulations. <i>Microbial Pathogenesis</i> , 193, 106787–106787. https://doi.org/10.1016/j.micpath.2024.106787	3.5
57	Malhotra, S. S., Ahmed, M., Gupta, M. K., & Ansari, A. (2024). Metal-free and natural dye sensitized solar cells: Recent advancement and future perspectives. <i>Sustainable Energy & Fuels</i> , 8. https://doi.org/10.1039/d4se00406j	4.1
58	Malhotra, S. S., Ahmed, M., Kumar, M., Amin, M. A., El-Bahy, S. M., El-Bahy, Z. M., Ranjan Kumar Mohapatra, & Ansari, A. (2024). Theoretical exploration of a di-carbazole based dye for 3rd generation dye-sensitized solar cells. <i>Materials Today Communications</i> , 41, 110182–110182. https://doi.org/10.1016/j.mtcomm.2024.110182	4.5
59	Sebastian, S., Priya, Yajat Rohila, Ansari, A., Prakash, S., Kumar, A., & Gupta, M. K. (2024). Environmentally benign self-assembled biopolymer-peptoid nanosilver composite hybrid gel beads via ion-crosslinking for antimicrobial and catalytic applications. <i>Applied Materials Today</i> , 41, 102512–102512. https://doi.org/10.1016/j.apmt.2024.102512	6.9
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EXTERNALLY FUNDED PROJECT

S.N	Name	Department	Title of Project	Funding Agency	Grant Amount
1	Dr. Shah Jahan	Department of Mathematics	Study of Polynomial-based Wavelets Collocation Methods for Fractional Biological Models and Stratonovich Integral Equations	OtherAnusandhan National Research Foundation (ANRF)	28.81 Lakh
2	Prof. Surender Singh	Department of Microbiology	Tools and Techniques for Life Cycle Analysis of Biofuels	OtherIIT Hyderabad under GIAN	6.64 Lakh
3	Dr. Sushila kumari Soriya	Department of Commerce	Empowering MSME through Fintech Solutions: An Empirical Study in Haryana State	ICSSR	17 Lakh
4	Dr. Gunjan Goel	Department of Microbiology	Development of GABA enriched probiocated millet based fermented product with nutraceutical potential	HSCST	30 Lakh
5	Prof. Gunjan Goel	Department of Microbiology	Short Term Fellowship Abroad, DHR-HRD Scheme, Project ID 2024-00391	ICMR	8.04 Lakh
6	Dr. Vikas Beniwal	Department of Microbiology	Celebration of National Science Day 2024	HSCST	1 Lakh
7	Dr. Ravi Pratap Pandey	Department of Psychology	Helen Lepcha: Unsung Tribal Hero of Indian Freedom Struggle	ICSSR	16 Lakh
8	Dr Bhushan Singh (PD)	Department of Commerce	Green Growth through Solar Energy: Evaluating the Impact of Solar Energy Initiatives on Sustainable Development in Himachal Pradesh	ICSSR	12 Lakh
9	Dr. Vikas Beniwal	Department of Microbiology	Activity on IPR cell in the University	HSCST	0.5 Lakh
10	Prof. Rajesh Gupta	Department of Mathematics	Investigation of the Integrable Nonlocal Nonlinear Equations	National Scientific Council of Kazakhstan	179.84 Lakh
11	Dr. Amandeep Verma	Department of Economics	“Women as Catalysts for Economic Development in Punjab and Haryana: A Step Towards Viksit Bharat @ 2047”.	ICSSR	3 Lakh

Central University of Haryana

12	Prof. Jitendra Kumar	Department of Geography	Summer/Winter Schools in Geospatial Science and Technology	DST	10 Lakh
13	Dr. Manisha Pandey	Department of Pharmaceutical Sciences	Exploring the modified antimicrobial potential of Matha Thailam's novel formulation for wound treatment of livestock: Promoting IKS with a new Strategy	OtherIKS Division, Ministry of Education, Govt. of India	1.50 Lakh
14	Dr. Anshu	Department of Applied sciences and Humanities	Planned Cooperation on within the Erasmus+ KA171 (International Credit Mobility), Call 2024	OtherErasmus+ KA171	21 Lakh
15	Dr. Praveen Kumar- Course Director	Department of Physical Education and Sports	Two Week Capacity Building Programme for Young Social Science Faculty	ICSSR	8 Lakh
16	Dr. Anita Kumari	Department of Nutrition Biology	Development of millets-based food products: Optimization, Characterization and Validation	SHRI Cell, DST	23.07 Lakh
17	Dr. Devender Kumar-PI	Department of Teacher Education	Effectiveness of Deen Dayal Upadhyay Gameen Kaushalya Yojana in respect to Quality of Training and employability components, and its socio-economic Impact: A longitudinal Study	ICSSR	76 Lakh
18	Prof. Rupesh Deshmukh	Department of Biotechnology	Development of climate-resilient mustard through multiplex genome editing of abiotic stress-related genes	DST-Haryana	40 Lakh
19	Prof. Rupesh Deshmukh	Department of Biotechnology	Developing genome-edited population in mega indica rice background to address food and nutritional security and climate change concerns	DBT-BIRAC Joint	500 Lakhs (65 Lakhs)
20	Prof. Rupesh Deshmukh	Department of Biotechnology	Development of silicate solubilizing bacteria-based plant growth promoting formulation to improve plant resilience under stress conditions	BIRAC-PACE	38.2 Lakhs
21	Prof. Rupesh Deshmukh	Department of Biotechnology	Engineering Iron biofortified potato with low toxic glycoalkaloid content through CRISPR-Cas mediated genome editing	Ministry of Education (MoE)	45.5 Lakhs

Central University of Haryana

22	Dr. Humira Sonah	Department of Biotechnology	Developing food-grade soybean using CRISPR/Cas9 mediated multiplex genome editing	DBT	35 lakhs
23	Dr. Ram Gopal Nitharwal	Department of Biotechnology	Docking and validation of compound inhibitors for mycobacteria	UGC	10 Lakhs
24	Dr. Humira Sonah	Department of Biotechnology	Improvement of seed oil, protein content, and nutritional quality of soybean (Glycine max)	DBT	171 lakhs
25	Prof. Rupesh Deshmukh	Department of Biotechnology	Development of superior haplotype based near isogenic lines (Haplo-NILs)...	DBT	75 Lakhs
26	Prof. Rupesh Deshmukh	Department of Biotechnology	Understanding the molecular basis of selective transport of silicon and arsenic	SERB	37 Lakhs
27	Prof. Rupesh Deshmukh	Department of Biotechnology	Imparting sheath blight disease tolerance in rice	DBT	59 Lakhs
28	Prof. Rupesh Deshmukh	Department of Biotechnology	Improvement in silicon uptake, fruit quality and yield by targeting multiple genes (SINIP2-1, SIAP2a SP5G and PL) with CRISPR/CAS9 approach in tomato	DBT	88 Lakhs
29	Dr. Namrata Dhaka	Department of Biotechnology	Identification of microRNAs involved in the regulation of thousand seed weight and oil content in <i>Brassica juncea</i>	DST	35 Lakhs
30	Dr. Namrata Dhaka	Department of Biotechnology	Identification of key microRNA-target modules and genes involved in the determination of grain weight and micronutrient content in <i>Sorghum bicolor</i> using small RNA and transcriptome profiling	SERB	33.7 Lakhs
31	Dr. Ram Gopal Nitharwal	Department of Biotechnology	Elucidating the role of superoxide dismutase and other accessory constituents of Mycobacterial Respiratory chain supercomplex III-IV	DST	27 Lakhs

MAJOR RESEARCH INITIATIVES IN 2024-25

Department of Applied Sciences & Humanities

Applied Sciences and Humanities is a newly established department that is already making significant contributions to the University's research output by guiding research scholars from the parent departments. The department comprises ten regular faculty members: three in Physics, two in Chemistry, two in Mathematics, and one each in English, Management, and Environmental Studies. The faculty have received prestigious recognitions, including three faculty members featured in Stanford University's list of the top 2% scientists, reflecting strong national and international expertise. With a collective h-index of 52, i10-index of 106, and over 12,700 citations, the department demonstrates diverse and interdisciplinary academic strength and is actively contributing to both emerging and foundational areas of research.

2D and Advanced Functional Materials for Energy, Electronics and Sensor Applications: Applied and condensed matter physics focused on the growth, structural, and electronic properties of two-dimensional (2D) and emerging functional materials (TMDCs, MXenes, perovskites, spinels, topological insulators, and MOF-based materials, etc.), and on the development of functional devices for sensing, thermoelectric and energy storage/conversion applications (supercapacitors, hydrogen energy systems, and fuel cells).

Sustainability through Smart Biomaterials: Environmental sustainability is a global priority. Our research focuses on the development of advanced green biomaterials that reduce dependence on conventional petroleum-based resources and mitigate their adverse environmental and health impacts. Through innovative and sustainable material solutions, we strive to contribute to a cleaner environment and improved human health, particularly in biomedical applications and water treatment technologies.

Organic Electronic (Materials & Devices) and Low-Dimensional Nanomaterials: the development of materials for organic electronics and photonics, focusing on the design and investigation of semiconducting and optoelectronic molecules and

polymers for flexible, low-cost device applications; and the physics of low-dimensional and nanostructured materials, exploring their structural, electronic, and optical properties at the nanoscale. These functional materials support emerging applications in advanced electronics, sensing, and energy technologies.

Waste Valorization, Environmental Risk Assessment and Pollution Control: Research focuses on waste management, conversion of waste into value-added products, environmental pollution assessment, and the evaluation of global environmental risks to address contemporary sustainability challenges.

Mathematical Modelling: Research in Mathematics spans mathematical modelling, computational imaging, numerical methods, and stability analysis, contributing to analytical and computational advancements in science and engineering.

Humanistic and Critical Perspectives in Literature and Management: Faculty in Humanities and Management contribute to scholarship in Marxist literary criticism, Indian and American literature, Indian poetics, marketing, and strategic management, integrating humanistic and critical perspectives into applied education.

Through its multidisciplinary approach, the department is committed to high-quality teaching, impactful research, and fostering collaborations that integrate scientific, technological, managerial, and humanistic knowledge for societal advancement.

Department of Mathematics

(A DST-FIST Sponsored Department)

The department comprises seven regular faculty members, including three professors and four assistant professors, along with seven guest faculty members. The faculty members are bestowed with prestigious awards, such as UGC Research award, two in Stanford University list of Top 2% scientists, reflecting their extensive national and international expertise. Recently, the department received a DST-FIST grant of ₹1.00 crore to establish a state-of-the-art Computational Facility, significantly enhancing its academic and research infrastructure. With an h-index of 24, an i-10 index of 84, and

over 2,250 citations, the department is committed to providing high-quality education and conducting impactful interdisciplinary research.

The Department of Mathematics is actively engaged in research across various fields, including nonlinear partial differential equations, image processing, theoretical physics, numerical analysis, and functional analysis.

Nonlinear Partial Differential Equations: Researchers are investigating nonlinear partial differential equations that model complex physical phenomena in fields like plasma physics, fluid mechanics, and solid-state physics. They are developing analytical and numerical methods to solve these equations, including fractional-order PDEs.

Image Processing: The department is developing innovative cryptosystems for audio and image encryption, watermarking, and compression using mathematical transforms like canonical transforms and pixel scrambling techniques. These techniques aim to enhance data security and privacy.

Theoretical Physics: Researchers are exploring topics like teleparallel gravity, Gauss-Bonnet gravity, wormholes, and black holes. They are investigating the properties of these objects and their implications for the nature of gravity and the universe.

Numerical Analysis: The department is developing new numerical methods for solving differential equations, integral equations, and optimization problems. These methods are essential for simulating complex physical systems and solving real-world problems.

Functional Analysis: Researchers are studying the properties of functions and operators, including approximation theory, frame theory, and wavelet theory. These areas have applications in signal processing, image analysis, and machine learning.

The department is also committed to fostering interdisciplinary research and collaboration with other departments and institutions. By combining mathematical techniques with insights from other fields, the department aims to address complex challenges and make significant contributions to scientific knowledge.

Department of Nutrition Biology

The Department of Nutrition Biology has been conducting innovative research to explore the nutritional and therapeutic potential of traditionally available fruits, vegetables and cereals. The research activities of the department are highlighted below:

Exploring the nutritional and therapeutic properties of *Cucumis callosus* and its utilization as a functional constituent

Cucumis callosus (Kachri) is a neglected underutilized crop with immense potential to act as a powerhouse of nutrition. It contains various bioactive compounds but the crop remained neglected due to unacceptable taste and aroma. Thus, the research focuses on nutritional unveiling of Kachri and development of functional food products viz., RTS beverage, syrup, spread and herbal tea etc. The technology for the developed products were also disseminated among SHGs of Mahendergarh district to provide an innovative. The research led to quality publications, best oral/poster international awards, patent granted on Kachri spread, copyright, and transferred technology on Kachri RTS beverage to FPO.

Mitigating micronutrient malnutrition through value added regional traditional rural fermented dairy foods. Access to better and more diversified diets is a key to combat problems of micronutrient malnutrition or hidden hunger. The dietary intake of locally fermented dairy food products with improved nutritional values can be an effective way to reduce the micronutrient malnutrition among the targeted population, and could be explored as an urgent remedy to eliminate this problem at grass root level.

Surface expression of Glucagon like peptide-1 on indigenous probiotic *Lactobacillus* for management of type 2 diabetes. Diabetes mellitus type 2 is a long-term metabolic disorder that is characterized by high blood sugar, insulin resistance, and relative lack of insulin. Glucagon-like peptide-1 (GLP-1), which is a proglucagon-derived peptide produced by intestinal cells, is used for treatment of T2DM. Some strains of *Lactobacillus* exert an anti-diabetic effect while expression of Glp-1 protein on the surface of probiotic lactobacilli augmenting the antidiabetic effect. The recombinant

lactobacillus strain will provide a continuous supply of biologically active peptides which would interact with receptors.

Development of Vitamin D enriched functional food products for the management of hypovitaminosis D among adolescent girls of Haryana

The research highlights that blood samples of (N=1009) adolescent girls from Government Schools of Mahendergarh, Bhiwani, and Kurukshetra districts of Haryana were estimated for Vitamin D levels and from the findings, it was observed that 88 percent of the selected population had cut-off value of serum vitamin D was less than 20ng/ml which indicates that there is an urgent need to curb this silent pandemic disease. By considering prevalence of Vitamin D deficiency, attempts were done to develop Vitamin D enriched plant-based functional food products (Nutri-bar, laddoo, and cookies) for the management of the disease and its impact assessment study among selected subjects involving clinical trials. The project led to publications, copyrights, best oral presentation award, trainings, and workshops to SHGs.

Development of Natural anti-termite nano-formulation

On going DST-Haryana project since 2024 based on IKS. Termite is a global issue which is very prevalent in Mahendragarh area. This project exploits the unexplored potential of some regional food items for the preparation of nano formulation with potent termiticidal activity. The nanoparticles that are developed in this project are not only biocompatible and biodegradable but also paves the way for finding a sustainable solution for termites which can easily be patented and translated into the market.

Department of Printing and Packaging Technology

The Department of Printing and Packaging Technology, under the School of Engineering and Technology (SoET), has been offering a B.Tech. programme since 2016 and launched its Ph.D. programme in 2024–25, with four research scholars currently enrolled. The department's research focuses on sustainable packaging, waste minimization in printing, optimization of printing processes, digital and inkjet printing, biodegradable materials, and the circular economy in packaging.

To strengthen industry–academia linkages, the department renewed its MoU with the Offset Printers’ Association (OPA), Ludhiana, and is planning to sign a new MoU with the Indian Institute of Packaging (IIP), Delhi, enabling collaborative research, consultancy, and training opportunities. Under these MoUs, various academic and co-curricular activities are being organized regularly. As part of the collaboration with OPA, the annual “Print Student of the Year” award recognizes outstanding student achievements in printing. This year, Mr. Shivam Saini was selected for the honor and received a cash prize of ₹25,000, sponsored by OPA, along with a Gold Medal.

Infrastructural growth has been a key highlight of the department, with the establishment of two dedicated research laboratories in the near future – the Inkjet Printing Lab and the Package Testing Lab – to support advanced studies and innovation. Faculty members and students are actively publishing research papers in reputed journals and conferences, addressing areas such as ink formulation, printability optimization, eco-friendly substrates, and packaging waste recycling. The department also organizes expert lectures, workshops, and industrial visits to provide students with practical exposure, advancements in printing and packaging technology and industry-oriented learning.

Department of Sociology

The Department of Sociology at the Central University of Haryana continues to uphold a strong culture of research and academic inquiry. During the year 2024–25, the department made notable scholarly contributions addressing a wide spectrum of sociological concerns such as identity politics, gender and reproductive health, rural transformation, migration, technology adoption, and cultural change. The research outputs reflect both regional relevance and national importance while also contributing to global academic debates.

Dr. T. Longkoi Khamniungan, Associate Professor and Head of the Department, published significant works focusing on public sphere deliberations and recognition issues concerning Frontier Nagaland in a Sage journal. His research further explores contemporary ethical and legal dimensions of reproductive technologies in the Indian

context, offering comparative perspectives with global frameworks. These studies add critical insights to policy-oriented academic literature.

Dr. Reema Gill, Associate Professor, has contributed extensively to the fields of gender studies, political sociology, public health, and cultural identity. Her publications include analyses of rural voting behaviour in Uttar Pradesh, the socio-legal evolution of the Hijra community, and the challenges faced by doctors during the COVID-19 pandemic. Notably, her co-authored research on donkey migration in Haryana was published in *Economic and Political Weekly*—highlighting cultural mobility as a form of socio-economic aspiration. Her work in Scopus-indexed and UGC-CARE journals reflects strong academic impact and collaboration.

Dr. Yudhvir, Assistant Professor, focused on empirical studies of rural Haryana, with publications analyzing the role of migrants in the economy, the growing reliance on smartphones in rural life, and governance-driven socio-economic transformation through Panchayats. These studies contribute valuable primary data and practical insights into rural development discourse.

Ms. Tanvi Bhati, Assistant Professor, contributed a scholarly article examining transformations in the rural-urban divide, particularly the emergence of urban villages and shifting socio-spatial identities. Her work highlights evolving settlement patterns influenced by economic transitions and urban expansion.

Overall, the Department of Sociology has shown commendable research performance during the academic year. Through field-based investigations, interdisciplinary collaborations, and publication in reputable national and international journals, the department continues to enhance the scholarly profile of the University. The faculty's research contributes meaningfully to advancing sociological knowledge and supports informed policymaking on contemporary social issues in India.

Department of Physical Education And Sports

In the contemporary period of time, research conducted in Physical Education and Sports Departments is deeply interdisciplinary and interacts with fields such as health sciences, psychology, engineering, sociology, economics and data science. These

collaborations help provide a holistic understanding of physical activity and sports, enabling advancements in athletic performance, health promotion, sports management and societal well-being. This interconnectedness also allows for innovation in technology, pedagogy and policy-making in the realm of sports and physical education.

In the field of research, the department has demonstrated significant scholarly output. A total of 25 papers have been published in reputed journals, including peer-reviewed and Scopus-indexed outlets, reflecting the faculty's commitment to high-quality academic contributions. In addition, faculty members have authored 3 Book chapters, 2 of which were published by the prestigious CRC Press (Taylor & Francis), further highlighting the department's engagement with internationally recognized publishers. During the year, 3 Ph.D. degrees were awarded, underscoring the department's dedication to advancing research excellence and fostering academic growth.

Dr. Kumar P is conducting a research project titled "Game Changers: Decoding Decision Influencers in Badminton Officiating" under the Badminton World Federation (BWF) grant, with a project value of 1800 USD. This study explores how badminton decision-making is influenced by various factors, including stress, player groups, audience, and coaches, and how these elements affect officiating in different situations.

Now, in today's academic landscape, research scholars in physical education are experiencing a newfound sense of freedom and flexibility in their research pursuits. This shift is due to the growing recognition that physical education is an inherently interdisciplinary field. Scholars now have the opportunity to explore and conduct research across a wide range of branches, making their work more dynamic, impactful and diverse.

The Department of Physical Education and Sport is conducting a free fitness and sports program for the children of university faculty members. This would be very helpful for sports awareness, talent identification, physical and mental health. It would also be very helpful to identify posture deformities in the early stage, and then we can easily prevent posture deformities through exercises.

By the help of a body composition machine in our department we are promoting research across various fields, including health, nutrition, exercise science, and psychology. By the help of research based on body composition machines we assess the impact of diet and exercise interventions on body fat percentage, lean muscle mass, and overall health markers, the corrective measures and training is also provided to the faculty members, faculty children and students of the various departments of the university.

Department of Teacher Education

The Department of Teacher Education is a dynamic hub of academic inquiry, dedicated to advancing the theory and practice of education. Comprising a diverse team of dedicated faculty members, the Department is committed to addressing contemporary challenges in education through rigorous, socially relevant, and impactful research. Our research initiatives are characterized by a strong focus on empirical studies, regional issues, and the integration of technology in teaching and learning.

The research portfolio for the academic year 2024-25 demonstrates a significant investment in scholarly activities, with multiple projects sanctioned and ongoing. The Department has successfully secured both internal university grants (CUH) and external funding from prestigious national bodies like the Indian Council of Social Science Research (ICSSR), reflecting the quality and credibility of our research proposals.

Key Research Thrust Areas:

The Department's research is strategically aligned with national educational priorities and local needs, focusing on several key thematic areas:

Pedagogical Innovations based on IKS and Curriculum Studies: Faculty are actively investigating the effectiveness of novel teaching methods. This includes research on the impact of folk songs as pedagogical tools, the use of mathematics games to generate interest in Vedic mathematics, and interventions to correct misconceptions in school mathematics among teacher trainees. These studies aim to

bridge traditional knowledge with modern educational practices and enhance student learning outcomes.

Attitudinal and Psychological Studies in Education: A significant focus is placed on understanding the psychological dimensions of the educational ecosystem. Ongoing projects explore the self-concept and verbal intelligence of school students, pupil-teachers' attitudes towards information technology, and the development of instruments to measure attitudes towards physical education. This research provides critical insights into the factors that influence teaching effectiveness and student engagement.

Issues of Access, Equity, and Inclusivity: The department is deeply engaged in identifying and analyzing barriers within the education system. Research is being conducted on the challenges and hurdles in art education at the secondary level, issues in women's education in rural Haryana, and the impact of a central university on the educational aspirations of women in adopted villages. These studies contribute to policy discussions and aim to promote a more equitable and inclusive educational landscape.

Educational Policy and Implementation: Faculty research also extends to the critical analysis of government schemes and their ground-level implementation. A case study on quality control and hygiene in the PM POSHAN scheme exemplifies this thrust, evaluating the efficacy of a major national program and its impact on its beneficiaries.

Department of Biotechnology

The Department of Biotechnology has emerged as a strong research-driven centre with a broad interdisciplinary thrust, supported by advanced instrumentation and national-level funding. During 2024-25, the department continues to advance impactful research in genomics, plant biotechnology, microbial biotechnology, bioinformatics, environmental biotechnology, and molecular biology applications. The department has six faculty members actively working on multiple research grants, with a cumulative funding portfolio exceeding Rs. 3.2 crore obtained from agencies such as DBT, DST-SERB, ICMR, HSCSIT, and BIRAC, enabling the development of

cutting-edge research infrastructure and support for high-end molecular experimentation. Two faculty members from the department have been featured in Stanford University's list of the world's top 2% scientists, and one faculty member has been recognized in Clarivate's Highly Cited Researchers list (top 1%) globally. The department maintains productive collaborations with research organisations and universities in India and abroad, including partnerships with IITs, ICAR institutes, DBT-supported hubs, international agricultural research groups, and foreign universities in Europe and North America, promoting joint research, data sharing, and co-authored publications. Among key initiatives, researchers are undertaking advanced genomic and metagenomic sequencing investigations to characterize microbial, plant, and environmental genetic diversity. Projects focused on CRISPR-based genome editing and plant transformation aim at improving crop traits such as stress tolerance, disease resistance, and improved yield. Parallel efforts in proteomics and metabolomics using high-resolution mass spectrometry are enabling biomarker identification and functional molecular insights. In the area of bioinformatics, the department employs machine-learning, statistical modelling, and structural prediction approaches for analyzing complex biological datasets, while GWAS and QTL mapping are being used to connect phenotypic traits to genomic loci in key plant systems. Further research in microbial biotechnology is contributing to sustainable agriculture by developing microbial consortia for bio-fertilization, bio-control, and biodegradation applications, supporting goals of soil health and environmental remediation. The department is committed not only to fundamental scientific discovery but also to translational and application-oriented outputs. Active collaborations with industry and biotechnology startups are facilitating technology transfer, product validation, and prototype development. Through these initiatives, the Department of Biotechnology continues to establish itself as an influential contributor to life-science research, fostering interdisciplinary cooperation and preparing students and researchers for frontline scientific innovation.

Department of Environmental Studies

Environmental science is at the forefront of addressing global challenges like climate change, pollution, and resource depletion. The Department of Environmental Studies

offers cutting-edge courses that focus on sustainable solutions, integrating key areas such as climate adaptation, pollution control, biodiversity conservation, and resource management. The program emphasizes hands-on, real-world training, preparing students to tackle pressing environmental issues using tools like GIS, remote sensing, and environmental impact assessments.

With a focus on innovation and research, postgraduate students gain deep theoretical and practical knowledge in areas such as Instrumentation, health, toxicology, various monitoring techniques, pollution mitigation, water resource management, and renewable energy. The program equips graduates with the skills needed to develop sustainable, science-based solutions and fosters an integrative approach, combining research with policy and management to ensure a sustainable future.

Innovation and research-based training are central to the postgraduate and Doctorate programs, preparing students to lead the way in a Sustainable Environment. These programs foster a deep understanding of critical issues such as extraction of value-added products, pollution mitigation, water resource management, renewable energy development, and the effects of anthropogenic activities on ecosystems. Graduates are encouraged to take an integrative approach, combining scientific research with policy and management strategies to address complex environmental problems.

Major Research Areas in the Department

Bioresource Utilization and Value-Added Product Development

Innovation-driven research explores the extraction and development of value-added products from natural resources and waste biomass. Work in this area includes renewable energy generation, bioproduct development, pollution mitigation technologies, and the assessment of anthropogenic impacts on ecosystems. The department promotes an integrative approach, connecting scientific research with policy and management strategies to ensure sustainable environmental solutions.

Phycoprospecting and Algal Biotechnology

The department conducts extensive research on the phycoprospecting of algae for applications such as biofuel production, wastewater remediation, and the development

of high-value bioproducts. Ongoing projects—led by M.Sc. and Ph.D. This research is guided by Environmental, Social, and Governance (ESG) principles to ensure that technological advancements contribute to sustainability, ethical governance, and societal welfare. The interdisciplinary framework bridges scientific innovation with commercialization pathways, supporting environmental protection and social equity through algae-based technologies.

Environmental Pollution, Health Risk Assessment, and SDGs

A major thrust of departmental research focuses on air pollution, particularly volatile organic compounds (VOCs), particulate matter, and ozone, due to their significant health implications. Ongoing projects—led by M.Sc. and Ph.D. students—investigate the spatial distribution of VOCs using ArcGIS and remote sensing tools, contributing to health risk assessments and policy development. This work directly supports Sustainable Development Goal 3 (Good Health and Well-Being) by generating data-driven insights for reducing pollution-related health risks.

Waste Management and Microplastic Pollution

Research in waste management emphasizes sustainable strategies for solid waste reduction, recycling, resource recovery, and circular economy practices. The department also studies microplastic pollution, focusing on identifying sources, pathways, and associated human health risks. Advanced waste treatment technologies, landfill management, education, and policy interventions are explored to reduce microplastic contamination. Ongoing research includes the use of vermicomposting to manage diverse waste streams and investigations into microplastic presence in food systems and their impact on human health.

Department of Journalism & Mass Communication

During the academic year 2024–25, the Department of Journalism and Mass Communication undertook several significant research initiatives to strengthen scholarly output, promote innovation in media studies, and expand collaborations with national institutions. Faculty members actively published research papers, secured funded research and workshops, and contributed to emerging areas such as artificial

intelligence in journalism, media inclusivity, menstrual health communication, and ethical dimensions of digital media.

The department successfully mobilized external resources for impactful academic programs. Key funded initiatives included a Two-Day Workshop on the Transgender Persons Act supported by the National Institute of Social Defence with a financial sanction of ₹1,00,000, and thematic workshops in association with PRS Legislature Research on parliamentary reporting and budget reportage. Additionally, a project focused on the contribution of Indian linguistic journalism during the freedom movement received support from the National Council for the Promotion of Sindhi Language.

Faculty members demonstrated strong research productivity by contributing a total of 14 publications this year, including SCOPUS/UGC-CARE listed journal papers and research output under review in globally recognized journals such as AI & Society. Research areas span across cyber violence against journalists, artificial intelligence-driven newsroom transformation, media and gender studies, ethnic representation in performing arts, and ethical paradigms rooted in Indian Knowledge Systems. Two book chapters were also published during the period.

Scholarly collaborations were expanded with national-level bodies including PRS Legislative Research and Nagari Lipi Parishad through jointly organized academic activities. These partnerships enhanced public policy literacy, research engagement, and field-linked training for students. Faculty further contributed to research culture by guiding 12 ongoing Ph.D. scholars, and participating in academic governance roles such as doctoral research committees and expert evaluation panels at various institutions.

The department's creative research impact also received recognition at the Haryana Film Festival 2025, where a documentary titled Haribanga earned the Best Documentary Award in the non-professional category—representing successful integration of research, storytelling, and visual communication.

Department of Teacher Education

During the academic year 2024–25, the Department of Teacher Education undertook several impactful and externally funded research initiatives addressing diverse and

socially relevant educational issues. Prof. Nand Kishor received an ICSSR Research Project grant of ₹10,50,000 for his major study on the “Effect of Folk Songs on Education of Haryana and Rajasthan,” which is currently ongoing from January 2024 to December 2025. Additionally, multiple faculty members secured university-funded projects (₹1,00,000 to ₹1,50,000 each) focusing on educational challenges and learning enhancement, including Dr. Moroo Mario’s project on the validation of an instrument to measure attitude toward physical education (approved on 17 June 2025), and Dr. Dilip Kumar Patel’s analytical study on the barriers in art education at the secondary level in Mahendragarh district (approved on 27 March 2025). Research addressing student psychology and learning, such as Dr. Devender Kumar’s study on self-concept and verbal intelligence among school students (approved on 30 April 2024), and Dr. Mahendra Kakkrela’s examination of interventions correcting misconceptions in school mathematics among teacher trainees (approved on 10 April 2025), further strengthened the department’s contribution to pedagogy. Technology integration and educational aspirations formed key thematic areas through Dr. Amit Singh’s project on pupil-teachers’ attitudes toward information technology (approved on 27 June 2025) and Dr. Archana Yadav’s study on the role of CUH in enhancing educational aspirations of women in adopted villages (approved on 20 May 2025). Major social issues such as women’s education in rural Haryana were addressed by Dr. Indu Bala (approved 23 February 2024), while public welfare-linked quality assurance in school nutrition schemes was investigated by Dr. Ajay Kumar under his study on hygiene and quality in the PM POSHAN scheme (approved 25 March 2025). Additionally, innovation in mathematics education is being promoted through Dr. Ritu Bala’s project on the effect of mathematics games on students’ interest in Vedic Mathematics (approved 10 June 2024, sanctioned amount ₹1,50,000). Overall, these initiatives reflect an expanding research culture focused on inclusion, quality pedagogy, community impact, and educational innovation, positioning the department as a strong contributor to national educational development.

Department of Psychology

The Department of Psychology at Central University of Haryana has made significant progress in research, innovation, and academic engagement during 2024–25. Faculty

members have contributed extensively across diverse domains, producing 22 research papers, 15 book chapters, and one book publication. Their work spans critical themes such as digital education disparities, suicide ideation among adolescents, internet addiction, resilience, mental health, and aging populations.

Prof. Payal Kanwar Chandel, Professor and Head, has been a leading contributor with 12 research papers and 5 book chapters, focusing on positive psychology, social media, and mental health. She successfully guided four master's projects and received prestigious recognitions including the *Mrs. Manju Thakur Memorial Award* (IAAP, 2025) and the *InSPA Best Paper Award* (2024). She received an ICSSR-funded major research project and organized multiple national-level conferences and workshops. Prof. Vishva Chaudhary contributed research in clinical, social, peace, and environmental psychology, publishing papers and book chapters, supervising doctoral students, and co-filing a patent for an AI-based Student IQ Level Detection Device. She also guided two Ph.D. completions and one ongoing doctoral scholar.

Among Assistant Professors, Dr. Pradeep Kumar published three papers and one book chapter around personality and psychometrics, one Ph.D. awarded under him and four master's projects, are alongside five ongoing doctoral scholars. Dr. Vishnu Narayan Kucheria contributed research in organizational and biopsychology, published one paper and has been guiding five master's projects and three Ph.D. students. Dr. Ravi Pratap Pandey was one of the most active contributors, publishing eight papers and four book chapters in health, social, and addiction psychology. One Ph.D. and nine master's projects, are awarded under him with three ongoing doctoral scholars. His research addressed psychosomatic symptoms, social media usage, and cross-cultural analyses of superstitious beliefs.

Collectively, the department mobilized over ₹30 lakh in external funding through ICSSR and NISD, organized capacity-building programmes, state and national conferences, sensitization programmes, and workshops on suicide prevention and mental health. With six Ph.D. awarded and 20 ongoing doctoral scholars (plus 2 Post Doctoral Fellows), the department demonstrates strong research capacity. Collaborations with institutions such as Nagaland University, Guru Gobind Singh

Indraprastha University, Rashtriya Raksha University, Shiv Nadar University, IIT Jodhpur, and Hat ef University, (Iran) further strengthened its academic standing. Overall, the Department of Psychology has showcased excellence in publications, project funding, doctoral supervision, innovation, and collaborations, positioning itself as a leading center for psychological research and societal impact.

Department of Commerce

The Department of Commerce has five regular faculties consisting three Professors, two Assistant Professor and one Guest faculty member. Recently, three faculty members of the department have been awarded with research projects funded by ICSSR. Prof. Sushila Kumari Soriya is awarded with major research project funded by ICSSR on the title “Empowering MSME through Fintech Solutions: An empirical study in Haryana State”. Dr. Bhushan Singh and Dr. Suman are awarded with a collaborative research project on the topic “Green Growth through Solar Energy: Evaluating the Impact of Solar Energy Initiatives on Sustainable development in Himachal Pradesh”. In addition to this, Dr. Bhushan Singh is also awarded with the Annual Best Researcher Award by the Central University of Haryana. The department is committed to quality research work through inter-disciplinary research collaborations, field based research project, and publications in journals of national and international repute.

The department is engaged in the research that addresses the problem faced by local community and also contributes toward policy making at national and global level. To foster the creativity and research orientation among research scholars, the department recently organized Ten Days Research Methodology Workshop in Social Sciences. During 2024-2025, faculty of the department published quality research paper on contemporary themes such as role of green finance and innovation in sustainability, role of digitalization in MSME, integrated reporting, minimum support price, and green products.

The department aims to make significant contribution toward advancing knowledge in commerce and other allied areas.

Department of Physics and Astrophysics

Major Research Areas

Theoretical and Computational Condensed Matter Physics

Quantum dots, typically ranging from 10 to 100 nm in size, have evolved from mere scientific curiosities into essential components of modern semiconductor nanotechnology. Their remarkable properties arise from the complete confinement of charge carriers within tiny regions, resulting in discrete, atom-like energy levels that could be precisely tuned. By adjusting their composition, shape, and size, we have tailored the optical and electronic behavior of quantum dots to meet specific functional demands. This tuneability has paved the way for their use in a wide range of real-world applications, from next-generation display technologies and solar cells to biomedical imaging and quantum computing.

Enhancing the thermoelectric performance of the Janus MoSSe monolayer through pressure offers a compelling strategy for optimizing its material behavior. By integrating first-principles computations with semi-classical Boltzmann transport equations, researchers systematically explore how external pressure influences the monolayer's structural, electronic, and thermoelectric characteristics. The findings reveal that pressure serves as an effective tuning parameter, enabling controlled modification of electronic band structure and transport properties. When the pressure is increased to + 3 GPa, the value of ZT for n-type doping is further increased to 0.73, which is 24% higher than the value for pure monolayer. This approach not only deepens the understanding of the intrinsic physics of Janus materials but also highlights pressure engineering as a promising pathway for advancing high-efficiency thermoelectric devices.

Astrophysics

This web consists of dense clusters and superclusters of galaxies, separated by immense, nearly empty regions called voids. Galaxies form long, thin filaments and walls surrounding these voids, resembling a sponge or a network of soap bubbles. The structure's formation is driven by gravity, which amplifies small quantum fluctuations from the early universe, causing matter (primarily cold dark matter) to gradually collapse

into the complex, hierarchical arrangement observed today. We work on the studies of clustering of this cosmic web and also on the accelerated expansion of the entire thing.

Material Science

(a) Research on Luminescence

Luminescence can be exploited in many applications ranging from day-to-day life to state of art devices, thus there is always a quest to develop new nanophosphors or modify present nanophosphors to achieve the desired properties depending on applications. Our research work has focused on tuning luminescence in oxide - based nanophosphors activated with various rare

earth ions and suitably characterized them with techniques like XRD, TEM/SEM, DRS, PL and TL etc. Since electronic structure plays a crucial role in depicting the luminescence mechanism, we also employ x-ray absorption spectroscopy using synchrotron radiations to decipher the local electronic structure and correlate with underlying luminescence mechanisms. We have been able to develop nanophosphors which show promising results for solid state lighting, up-conversion and radiation dosimetry. Our research group has also been working on 2D transition metal dichalcogenides (TMDs) and topological insulators for thermoelectric applications.

(b) Nanocomposites

During 2024 – 2025, my research focused on the synthesis, characterization, and device applications of emerging 2D-materials. Building on my earlier work with graphene, rGO and MoS₂-based nanocomposites, I contributed to ongoing studies in material synthesis, structural analysis, and electronic transport. This year, I initiated three major research directions. The first involves the development of Graphene Field-Effect Transistor (GFET) biosensors, leveraging graphene's high carrier mobility and exceptional surface sensitivity for label-free biochemical detection. Initial GFET fabrication and electrical characterization have been completed. The second project focuses on graphene/semiconductor solar-blind photodetectors for deep-UV sensing, for which prototype devices and preliminary optical measurements have been initiated. The third initiative explores MXene-based nanocomposites for energy harvesting applications. Collectively, these efforts broaden my research

portfolio toward practical bio-sensing, optoelectronic, and energy-related devices, with further advancements and publications planned in the coming year.

(c) Advanced Functional Materials

"Our research group focuses on the design and development of advanced functional materials for energy and environmental applications, with a particular emphasis on perovskite-structured systems. We primarily investigate barium titanate-based ferroelectric materials and rare-earth-based magnetic materials, aiming to tune their structural, electronic, and magnetic characteristics through controlled synthesis and defect engineering. A core component of our work is to understand the structure-property relationships that govern polarization, magnetism, and multifunctional behavior in these materials. By integrating experimental characterization with theoretical insights, we explore how lattice distortions, dopant chemistry, and microstructural features influence their performance. Ultimately, our research seeks to translate these fundamental findings into efficient materials for energy harvesting, sensing, and environmentally relevant technologies".

Nuclear and Particle Physics

In the intermediate energy regime, unique synergy of nucleonic mean field and n - n collision plays a pivotal role in influencing the intricate dynamics of the nucleons. Therefore, the distinctive contribution of the nucleons participating in various degrees of anisotropic flow to generate the electromagnetic field have been explored by utilising the isospin-dependent quantum molecular dynamics(IQMD) framework in this energy regime. Additionally, two-particle cumulant method has been utilised to distinguish the nucleon participating in different flow harmonics. Herein, temporal and phase space evolutions of the electromagnetic field generated by the nucleons participating indifferent anisotropic flow gives better understanding. Efforts are underway to further carry out study for investing the influence of different nucleon-nucleon cross sections on production of electromagnetic field.

Synthesis of super-heavy elements (SHE) using large scale experiments involving the fusion of two massive nuclei, is an area of intense research in nuclear physics. The planning of these high budget experiments which might run for long time periods

requires a precise knowledge of fission observables in the decay process of heavy nuclei. The decay of heavy and super-heavy nuclei is dominated by the fusion-fission and quasi-fission processes. In the last decades, several experiments have been performed to study the fusion of the massive nuclei and its subsequent decay process. Our work focuses on the experimental findings of fusion-fission dynamics of heavy and super-heavy nuclei. The accelerator facilities at Inter University Accelerator Centre (IUAC), New Delhi is being used for these measurements. We are actively involved in simulation studies for the dRICH detector, a key component of the proposed ePIC experiment at Electron Ion Collider (EIC), a mega science project at BNL (USA). This work focuses on evaluating the particle identification capabilities of the dRICH, optimizing its design and analyzing its performance to meet the stringent physics requirements of the EIC. This work aims to advance our understanding of quantum chromodynamics (QCD) through precision measurements in electron-proton and electron-ion collisions.

Department of Electrical Engineering

The Department of Electrical Engineering at the Central University of Haryana undertook a series of impactful and strategically aligned research initiatives during 2024–25, aimed at strengthening its position as a hub for innovation in emerging electrical engineering domains. During the year, the department emphasized advanced research in electric mobility, battery management systems, and battery thermal management, reflecting national priorities in sustainable transportation. Efforts were directed toward developing indigenous BMS algorithms, modelling battery ageing, optimizing fast-charging strategies, and creating thermal-safe battery modules suitable for Indian conditions. Simultaneously, the department advanced work in smart grid modernization by conceptualizing a Smart Microgrid Testbed to enable research on distributed energy resources, inverter control, demand response, and renewable energy integration. Complementing this, substantial progress was made in AI and Machine learning based techniques. Also focusing on high-efficiency converters for EVs, chargers, and solar-battery hybrid systems.

Parallel to hardware-driven initiatives, the department strengthened its research in AI and data-driven methods by working toward the creation of curated datasets,

forecasting models, anomaly detection techniques for grid systems, and ML-based control strategies. Research in IoT sensing was expanded to support low-power sensor development and edge-computing solutions for industrial and energy applications. To ensure greater real-world impact, the department actively pursued collaborations with industry, initiated discussions for joint development projects, and encouraged technology transfer through prototype demonstrations, potential patents, and student-led innovations. Faculty members and research scholars were supported in proposal writing for funding from SERB, DST, MNRE, MeitY, and AICTE, with emphasis on generating preliminary results, engaging industry partners, and building multi-investigator proposals.

These initiatives were complemented by efforts to enhance student engagement through internships, research assistantships, and hands-on project opportunities using upcoming laboratory infrastructure. Overall, the research initiatives of 2024–25 reflect a forward-looking vision focused on clean energy technologies, electric vehicle innovation, digital and intelligent power systems, and capacity building for high-quality research output. Through these strategic efforts, the department positioned itself for stronger research funding, increased publication quality, prototype development, and national-level recognition in the coming years.

Department of Biochemistry

During the academic year 2024–25, the Department of Biochemistry continued its strong trajectory of research excellence through significant achievements in funding, infrastructure development, research output, and academic contributions. The department strengthened its laboratory facilities with an investment of ₹20.5 lakh in advanced equipment, including a fluorescence microscope, ELISA reader, centrifuge system, and vertical electrophoresis unit, supported by SERB, ICMR, and CUH. To ensure uninterrupted research activity, an additional ₹93,000 was spent on the repair and maintenance of essential instruments such as the biosafety cabinet, gel documentation system, incubator shaker, and laboratory refrigerator.

A major highlight of the year was the successful mobilization of approximately ₹246 lakh through five externally funded research projects sanctioned by DST-ANRF,

DST-SERB, Haryana DST, ICMR, and DRDO-LSRB. These projects covered frontier scientific domains including electrochemical biosensors for HPV detection, inhibition mechanisms in *Plasmodium falciparum*, genome editing for climate-resilient mustard, functional genomics and biomarker discovery in endometriosis, and molecular studies on oxidized proteins linked to memory impairment under hypobaric hypoxia. This level of funding positioned the department among the top-performing research units of the university.

The department recorded an impressive research output with 71 publications in UGC-CARE and SCI/SCIE indexed journals, achieving an average impact factor of 4.5. Faculty members contributed four books and 27 book chapters across internationally reputed publishers, reflecting the department's active engagement in high-quality scholarly work. The research spanned diverse and contemporary fields such as nanobiotechnology, cancer biology, plant stress genomics, neurodegenerative disorders, infectious diseases, nutraceuticals, and functional genomics.

Innovation and IPR creation were also strengthened as the department filed and published two patents—one on fluorescent nanoclusters and another on novel pyrazol-5-ol derivatives with anti-lung cancer activity. In terms of doctoral research, six Ph.D. scholars were awarded their degrees, while 30 scholars, including 21 JRF holders, continued their research under seven faculty supervisors. These scholars are contributing significantly to emerging areas like parasitology, nanotechnology, plant-microbe interaction, high-altitude physiology, and biomedical research.

The department expanded its national research network through active collaborations with PGIMS Rohtak, Amity University (Noida & Gurugram), NSUT Delhi, BITS Pilani, and Delhi University. These collaborations supported joint publications, co-supervision of research scholars, and shared research expertise. The department also celebrated key faculty achievements, most notably Prof. Pawan Kumar Maurya being recognized among the Top 2% Scientists worldwide by Stanford University and Elsevier.

Students of the department continued to excel, securing positions such as Post-Doctoral Fellow at Charles University (Prague), Project Research Scientist at NIPER-

Hajipur, and faculty positions at SKMU Jharkhand and IIIT Noida. Overall, the Department of Biochemistry demonstrated a dynamic and multidisciplinary research environment marked by high productivity, robust funding, impactful publications, strong doctoral progress, and national-level academic visibility, reaffirming its position as a leading center of biochemical research and innovation in the region.

Department of Computer Science and Information Technology

The Department of Computer Science and Information Technology comprises seven regular faculty members, including two Professors, one Associate Professor, and four Assistant Professors, along with three guest faculty members. The Department of Computer Science and Information Technology is actively engaged in research across various domains, including Quantum Computing, Deep Learning, Internet of Vehicles, Time Series Analysis and Forecasting, Vehicular Ad Hoc Networks, and Intuitionistic Fuzzy Rough Sets.

Prof. (Dr.) Keshav Singh Rawat has continued to strengthen his research through impactful initiatives in the areas of Quantum Computing, Artificial Intelligence, Internet of Things, Cloud–Fog Computing, Healthcare Informatics, and Scientometrics during the academic year 2024–25. His recent research contributions published in high-impact SCI/SCIE journals—including IEEE Transactions on Engineering Management and IEEE Engineering Management Review, reflect a strong interdisciplinary approach, integrating theoretical models, scientometric mapping, and real-world application. His research on quantum computing visualization and frameworks demonstrates relevance to national priorities such as Digital India, the National Quantum Mission, and AI-powered governance frameworks. His work also contributes significantly to emerging technological trends and advanced analytics in the global research ecosystem. A major highlight of his academic portfolio is the ongoing ₹76 lakh ICSSR-funded longitudinal project assessing the socio-economic impact and implementation efficiency of the Deen-Dayal Upadhyay-Grameen Kaushalya Yojana (DDU-GKY). This project integrates qualitative inquiry with machine learning-based analytical modelling for evidence-based evaluation of vocational training outcomes and employability patterns, demonstrating societal relevance and policy linkage.

Emerging Momentum in Quantum Computing:

Prof. (Dr.) Keshav Singh Rawat's research initiatives in Quantum Computing during the year 2024–25 reflect a strong academic shift toward emerging computational paradigms and future-ready technologies. His recent high-impact publications, particularly in IEEE Transactions on Engineering Management and Archives of Computational Methods in Engineering, explore the intellectual evolution and global research trajectory of quantum computing using scientometric modelling, visual analytics, and trend evaluation frameworks. His work focuses on mapping research clusters, algorithmic development, real-world quantum applications, and the integration of machine learning techniques to understand research maturity, technological readiness, and industrial adoption potential. By examining how quantum algorithms, quantum cryptography, optimization models, and quantum machine learning are progressing across scientific and industrial ecosystems, his research contributes to both theoretical advancement and strategic policy-level understanding of the field. These initiatives also support curriculum development, research training, and the establishment of foundational knowledge resources for future researchers, positioning the work as both academically valuable and nationally aligned with initiatives such as India's National Quantum Mission.

Data Mining and Machine Learning: Dr. Anoop Kumar Tiwari has established different intuitionistic fuzzy rough sets and its extensions for feature selection, rule induction, and handling uncertainty in data, enhancing decision-making processes. They have been applied in complex systems monitoring and pattern recognition.

Decision-Making Models: Dr. Anoop Kumar Tiwari has employed different Intuitionistic Fuzzy rough set models in multi-attribute decision-making, attribute reduction, and three-way decisions, providing a framework for analyzing relational data and making informed choices.

Health Sciences and Disease Diagnosis: Dr. Anoop Kumar Tiwari has combined Intuitionistic Fuzzy and its extensions with Rough set theory for disease diagnosis, offering a method to analyze medical data and assist in clinical decision-making.

Granular Computing: Intuitionistic Fuzzy rough sets and its extensions has been explored to contribute towards granular computing by processing information granules, which enhances performance and computation time in data mining tasks, including deep learning.

Department of Chemistry

The Department of Chemistry has exhibited remarkable research productivity during the reporting year, contributing significantly to national and global scientific priorities. The department's work spans advanced functional materials, environmental chemistry, energy storage, medicinal chemistry, nanotechnology, analytical chemistry, and computational modelling. A major research thrust lies in the development of rare-earth doped nanophosphors, quinoline-based complexes, and pyrosilicate materials for white-light LEDs and optoelectronic applications. These studies employ advanced photoluminescence analysis, Judd–Ofelt theory, and structural investigations to enhance colour purity, stability, and overall device performance. Parallel efforts in energy-related research include the design of high-performance electrode materials such as carbon quantum dots, rGO-based nanocomposites, Nb₂O₅/g-C₃N₄/PPy systems, and PANI-derived mesh networks, which have demonstrated enhanced supercapacitor efficiency and long-term electrochemical stability.

The department has also made substantial contributions to environmental chemistry, particularly in water remediation and corrosion protection. Research on photocatalytic degradation of real-world pollutants using rGO-wrapped metal oxides, 2D/3D heterostructures, and MOF-based hybrids reflects a strong commitment to sustainable environmental solutions. Studies on bio-inspired calcification, plant-extract-based corrosion inhibitors, and advanced nanoadsorbents for pesticide removal further highlight the department's role in addressing environmental and industrial challenges. In the field of analytical chemistry, the department has developed electrochemical and fluorescence-based sensors for rapid detection of food additives, metal ions, nitrites, and other contaminants. These sensors incorporate nanocomposites, hydrogen-bonded organic frameworks, and hybrid gels to achieve high sensitivity, selectivity, and practical applicability.

Medicinal and pharmaceutical chemistry remains another strong pillar of departmental research. Faculty members have synthesized and evaluated a range of bioactive molecules—including thiazoles, triazoles, oxadiazoles, hydrazones, and Schiff base derivatives—for their anticancer, antimicrobial, antiviral, antioxidant, and enzyme inhibitory properties. These studies are strengthened by comprehensive computational approaches involving QSAR, molecular docking, molecular dynamics, and ADMET profiling. Complementing these efforts are initiatives in green chemistry, where biodegradable biopolymer films, sustainable gels, green carbon quantum dots, and environmentally benign nanocomposites have been developed for multifunctional applications ranging from antimicrobial activity to photocatalysis.

Further advancements have been made in metal-organic frameworks (MOFs) and hybrid porous materials for catalysis, pollutant degradation, and CO₂ capture—positioning the department at the forefront of materials-based environmental technologies. Computational chemistry and solar energy research have also progressed significantly, with DFT and TD-DFT studies elucidating the electronic structures of metal complexes and dye molecules for next-generation dye-sensitized solar cells. Collectively, these diverse research initiatives underscore the department's commitment to scientific innovation, interdisciplinary collaboration, and societal impact. The high volume of quality publications, extensive experimental and theoretical work, and relevance to national missions affirm the Department of Chemistry as a rapidly advancing centre of excellence within the University.

Department of Geography

The Department of Geography has demonstrated consistent scholarly growth through research focused on urbanization, regional development, environmental change, geospatial analysis, and climate studies. Faculty members have undertaken significant work on the level and patterns of urbanization in Rajasthan, providing district-level insights into spatial development trends. Research on the impact of education on healthcare facility utilization in rural Uttar Pradesh highlights the department's interest in social geography and human well-being. A prominent thematic contribution emerges in geopolitical studies, with publications analysing the evolving Indo-Pacific region, India–China geopolitical dynamics, and shifts in global strategic

frameworks. In the domain of environmental hazards, the department has produced impactful work using geospatial tools to assess flood hazards, social vulnerability, and landscape changes, demonstrating the application of remote sensing, AI techniques, and GIS modelling in disaster risk assessment.

The department has also advanced research on public open space accessibility, vulnerable population preferences in green spaces, and ecological land transformation in the Himalayan region, contributing to sustainable urban planning and environmental management. Climate-related studies, including trend analysis of precipitation and temperature changes in Lahaul-Spiti (Himachal Pradesh) and assessments of land surface temperature–vegetation relationships, reflect growing engagement with climate resilience and environmental monitoring. Through interdisciplinary collaborations, faculty have applied remote sensing, AI-based modelling, and spatial statistics to understand complex land-use dynamics, hydrometeorological variations, and socio-environmental impacts. Collectively, these research initiatives demonstrate the Department of Geography’s commitment to spatial science, environmental sustainability, regional development, and policy-relevant geographic scholarship. The breadth of publications in UGC CARE, Scopus-indexed, and international journals underscores the department’s academic strength and expanding research footprint.

Department of Management Studies

The Department of Management Studies has shown steady progress in research, with a strong focus on financial literacy, financial inclusion, digital marketing, and consumer behavior. A major contribution during the year is the empirical investigation into how youth financial literacy influences financial inclusion, using advanced statistical approaches such as PLS-SEM. This work highlights the department’s commitment to addressing nationally relevant themes related to financial awareness, youth empowerment, and digital finance ecosystems. Another key research direction is the analysis of social media advertising and authenticity, where bibliometric methods and tools like VOSviewer have been used to map global research trends, emerging themes, and future research pathways. This reflects an

increasing emphasis on digital business strategies, online consumer trust, and the evolving dynamics of social media communication.

Alongside these core areas, the department's research outputs reflect broader interests in strategic management, organizational behavior, and technology-driven decision-making, with faculty members exploring interdisciplinary linkages and data-driven frameworks relevant to modern business environments. The variety of publications in reputable national and international journals demonstrates the department's expanding academic footprint and its growing ability to contribute to evidence-based policy discussions and managerial practices. Together, these initiatives highlight the Department of Management Studies' ongoing commitment to high-quality research, contemporary relevance, and the integration of analytical tools in business scholarship.

Department of Economics

The Department of Economics has demonstrated meaningful scholarly engagement during the year, with research addressing prominent themes in macroeconomic volatility, international trade, price dynamics, and economic behaviour under uncertainty. An important contribution involves the study of exchange rate volatility and bilateral trade flows between India and China, offering empirical insights into how currency fluctuations influence trade performance. Complementing this is research on rupee-dollar volatility and its broader macroeconomic implications, underscoring the department's interest in external sector dynamics and global financial linkages. In the realm of behavioural and applied microeconomics, faculty have examined consumer behaviour and pricing strategies through the analysis of odd-even pricing and its psychological impact on consumer decision-making, adding depth to literature on market psychology and consumption patterns. Another notable initiative includes evaluating retail inflation trends in India, which contributes to understanding price instability, cost-of-living pressures, and macroeconomic management challenges. Together, these studies reflect the department's focus on policy-relevant economic issues, quantitative analysis, and real-world market behaviour. The publications in national and international outlets reflect a growing research culture and reinforce the department's commitment to advancing evidence-based economic scholarship.

Department of Tourism and Hotel Management

The Department of Tourism and Hotel Management has exhibited a growing research footprint through contributions in tourism planning, sustainable tourism development, and hospitality management. A notable research initiative involves an extensive study on the development of tourism infrastructure in Rayagada district, which provides valuable insights into regional tourism potential, resource mapping, and the challenges associated with infrastructure gaps in tribal-rich and culturally diverse areas. This research underscores the department's commitment to promoting community-based tourism, rural development, and inclusive economic growth. The study highlights critical factors such as accessibility, accommodation capacity, natural attractions, cultural heritage, and government intervention, thereby offering a framework for policymakers and stakeholders to enhance tourism-driven development in under-explored regions. Through this initiative, the department emphasizes the role of tourism as a catalyst for socio-economic upliftment, employment generation, and sustainable regional planning. Collectively, the department's research advances the discourse on tourism development strategies and positions it as an emerging contributor to evidence-based hospitality and tourism scholarship. These activities reflect an expanding research culture and align with national priorities in sustainable tourism, rural empowerment, and heritage-based development.

Department of Computer Science and Engineering

The Department of Computer Science and Engineering has made notable contributions in the field of Artificial Intelligence and Human-Computer Interaction, with research focusing particularly on the facial perception and assessment abilities of AI systems. A key initiative includes the comprehensive study titled *"Artificial intelligence systems ability of facial perception and assessment in different cultures: A systematic review"* which examines how AI-driven facial analysis systems perform across culturally diverse datasets, the biases embedded in existing algorithms, and the implications for global deployment of AI technologies. This work advances understanding of cross-cultural AI reliability and highlights the need for inclusive datasets and ethically aligned design principles. Through this research, the department contributes to the global discourse on multicultural AI development, fairness, and

responsible innovation, addressing one of the most important challenges in contemporary computer science. The initiative demonstrates the department's growing research orientation toward interdisciplinary AI, linking computer vision, psychology, ethics, and human-centered computing. Collectively, these activities reflect an emerging research ecosystem that prioritizes socially responsible technology, global applicability of AI tools, and the development of computational frameworks that are sensitive to cultural and demographic diversity. The department's research trajectory underscores its commitment to high-quality scholarship and its potential to expand further into machine learning, intelligent systems, and ethical AI research in the coming years.

Department of Civil Engineering

The Department of Civil Engineering has contributed to applied research in the area of regional infrastructure and disaster management, with a significant focus on groundwater studies and geospatial analysis. A major initiative undertaken during the year includes an extensive field-based assessment of groundwater potential in Kolar district of Karnataka, which integrates geological mapping, hydro-geomorphological analysis, and field survey techniques to evaluate the availability and sustainability of groundwater resources in the region. This research highlights the department's engagement with critical environmental and resource-related challenges, particularly in regions facing water scarcity and rapid land-use changes. The study provides valuable insights into aquifer characteristics, recharge zones, and groundwater suitability parameters, offering scientific support for policymakers and local administrations working on water management and rural development. Through this initiative, the department demonstrates its capability in combining **civil engineering principles with geospatial technologies** for environmental planning and resource optimization. Although in an emerging phase, the department's research activity reflects a growing commitment to addressing real-world civil engineering problems, strengthening the foundation for future work in areas such as hydrology, construction materials, geotechnics, transportation studies, and sustainable infrastructure development.

Department of History and Archaeology

The Department of History and Archaeology actively promoted research that advances historical scholarship, preserves archaeological heritage, and addresses contemporary social issues through interdisciplinary approaches in the past years.

The Department of History and Archaeology has made meaningful scholarly contributions during the year, with research focusing on Regional History: Micro-level studies on regional heritage, tribal societies, cultural traditions, and oral histories. Social and Cultural History: Research on caste, gender, religion, education, and everyday life, highlighting marginalized voices. Economic and Agrarian History: Studies on land relations, agrarian change, trade, labour, and regional economic development. Colonial and Post-Colonial Studies: Critical analysis of colonial administration, nationalist movements, and post-colonial transformations. Archaeology and Heritage Studies: Documentation and conservation of monuments like Tigrana site, inscriptions, and historical sites. Interdisciplinary Research: Collaborative studies with Tribal Study, Sociology, Political Science, and Environmental Studies like water management systems. The department undertakes funded research projects from ICSSR, ICHR and IITE, Government of Gujarat, publishes in reputed journals and books, and organizes seminars, conferences, and workshops, Field trip and Educational tour. Through PhD research, research training programmes, and public history initiatives like department film club, the department fosters a vibrant and socially relevant research culture.

Department of Political Science

The Department of Political Science demonstrated a strong and mature research profile during the year, with its scholarship prominently centered on Indian federalism, decentralization, economic governance, and foreign policy studies. Faculty members contributed extensively to the analysis of India's federal structure, focusing on how economic governance influences dominant party equilibria, the political determinants of foreign direct investment distribution, and the implications of concessionary federalism in a dominant party system. Several influential studies examined the evolution of Indian federalism under shifting political regimes,

addressing issues such as center–state relations during the Modi era, the restructuring of intergovernmental fiscal relations, VAT implementation, and conceptual frameworks for assessing decentralization outcomes. The department’s scholarly output also enriches comparative political studies through research on secessionist conflicts, equalization dilemmas, and partisan federalism, offering significant insights into the international engagements of subnational governments. Additionally, emerging research explores crucial themes including water-sharing challenges related to the Sindhu Jal Sandhi, India’s climate change policy initiatives, and bilateral relations with Bangladesh, thereby expanding the department’s contribution to foreign policy and strategic affairs. Collectively, these initiatives reflect a robust engagement with contemporary political challenges and position the department as a key contributor to governance and public policy discourse.

Department of Microbiology

The Department of Microbiology has demonstrated a highly productive and multidisciplinary research profile during the year, contributing significantly to agricultural microbiology, environmental biotechnology, microbial therapeutics, probiotic science, bioenergy, and nanobiotechnology. Recombinant Arabinofuranosidase from *Streptomyces griseoincarnatus* SSPJ4 Improves Bioethanol Yield from Paddy Straw.

The increasing demand for sustainable biofuels highlights the need for efficient utilisation of lignocellulosic biomass (LCB). α -L-arabinofuranosidases are important accessory enzymes involved in the degradation of arabinose-containing polysaccharides and oligosaccharides. In this study, we aim to isolate actinomycetes to efficiently degrade lignocellulosic biomass. The most promising isolate, *S. griseoincarnatus* SSPJ4, was subjected to whole genome sequencing to gain insights into the genetic makeup using the GALAXY tool for assembly and annotation. The assembled genome has a 7.3Mb length, 72.38% G+C content and a total of 6678 genes, out of which 4 genes encoded for arabinofuranosidase. Further, these genes were cloned into cloning vector pET28 (a) for overexpression. The findings from this study offer significant potential for the bioconversion of agricultural residues into value-added products. The formulated enzyme cocktail aims to improve the

saccharification thereby contributing to enhanced second-generation bioethanol production and advancement of the circular bioeconomy.

Production and applications of microbial tannases

The department's research advances tannase biotechnology through comprehensive screening of endophytic fungi to identify efficient biological sources for enzyme production. It demonstrates the effectiveness of walnut shells as a sustainable, low-cost substrate for tannase production under solid-state fermentation. During the study, an endophyte from Jamun leaves, *Aspergillus niger* TJU JUL51 was identified as the best producer, giving the highest tannase yield among all isolates. This strain adds value to the available microbial resources. The tannase produced also shows promising qualities for use in food and pharmaceutical industries, highlighting the practical importance and future potential.

Environmental applications of Laccase

The department isolated and evaluated laccase-producing white rot fungi from Northeast India to advance biocatalytic removal of phenolic pollutants. *Trametes cubensis* ARFR 43 stood out as a strong producer, yielding higher enzyme levels than the reference *Ganoderma lucidum* strain under solid-state fermentation. Its production was boosted more than elevenfold after optimization of key parameters such as wheat bran content, moisture ratio and copper sulfate induction. The purified enzyme showed a molecular weight near 40 kDa along with notable thermal and pH stability. Proteomic analysis confirmed its alignment with multicopper oxidases, supporting its role in oxidizing complex aromatic compounds. Partially purified laccase from *T. cubensis* demonstrated superior degradation of phenolic contaminants, achieving up to 97 percent breakdown within six hours. Spectroscopic and chromatographic analyses verified the formation of less toxic degradation products. Overall, the work highlights *T. cubensis* ARFR 43 as a promising source of robust laccase for environmentally friendly treatment of phenolic waste.

Identification of indigenous probiotics against diarrheal multi-drug resistant *E.coli* strains

The Department has a collection of 29 MDR strains collected from PGIMS, Rohtak. All the strains were identified using morphological, biochemical, serological, VITEK

based and 16S rRNA based identification revealed 29 strains as Diarrhoeal *E. coli* strains, with serogroups O121 and O128 being the most common. The DEC strains exhibited virulent traits such as hemagglutination, cell hydrophobicity and siderophore production. The strains exhibited multidrug-resistant with Multiple antibiotic resistance index (MAR) values of more than 0.2. A positive correlation was observed between the biofilm-forming ability and antibiotic resistance, indicating that biofilm could be one of the factors for antibiotic resistance in the investigated strains. From a collection of probiotic strains isolated from fermented foods, the potential of cell-free supernatant (CFS) from different probiotics was tested for antimicrobial and antibiofilm activities against these pathogenic *E.coli* strains. The CFS from *Pediococcus acidilactici* 100 exhibited maximum antimicrobial activity with Minimum Inhibitory Concentration (MIC) and Minimum Bactericidal Concentration (MBC) of 23.33 mg/ml and 33.33 mg/ml, respectively. The CFS was able to inhibit the process of biofilm formation as well as eradication of preformed biofilms by 72-73%. A complete disintegration of aggregation of cells was observed in treated biofilms through advanced microscopic techniques. Atomic force microscopy (AFM) revealed a decrease in roughness (30%) and height of treated biofilms (2-17%). Organic acids, fatty acids, phenolic compounds and other derivatives were determined in CFS fractions using Liquid Chromatography Mass Spectrometry. The findings demonstrated the potential of CFS components from *Pediococci* strains against biofilms of MDR-DEC strains developing next-generation therapeutics against antibiotic-resistant gastric pathogens.

Discovery of a hemolysin gene as a potential vaccine target against *Vibrio alginolyticus*.

The hemolysin gene has been identified as a potential target for vaccine development against *Vibrio alginolyticus*, a halophilic Gram-negative bacterium commonly found in estuarine and temperate marine environments. Recent studies reveal *Vibrio alginolyticus* as an opportunistic human pathogen that requires iron for growth, utilizing hemin effectively as its sole iron source. This ability to use host iron sources, such as heme from red blood cell lysis caused by its hemolysin, likely contributed to its pathogenic evolution. Besides hemin, *Vibrio alginolyticus* can also utilize ferrous

sulfate and ferric hydroxamate for growth. Given its hemolytic activity, we conducted random transposon insertion mutagenesis on the *V. alginolyticus* ATCC 17749 genome to identify genes responsible for this trait. The gene AGV17462.1 was found to be responsible for hemolysis. When cloned and expressed in *E. coli*, this gene conferred hemolytic activity to the host, suggesting its critical role in virulence. This gene thus represents a promising candidate for vaccine development against *Vibrio alginolyticus*. Additionally, ongoing research is investigating genes involved in heme transport in this bacterium to better understand its pathogenic mechanisms.

Targeting G-Quadruplex Structures to Combat Antibiotic-Resistant *Helicobacter pylori*

A genome-wide analysis was conducted to identify and characterize G-quadruplex-forming sequences (G4 motifs) in *Helicobacter pylori* and their potential as novel antimicrobial targets against multidrug-resistant strains was evaluated. We discovered thousands of intragenic G4 motifs, with stable G4 structures validated within the virulence genes *hopG* and *imaA*. Using biophysical assays and gene-expression analyses, we demonstrated that these G4 motifs function as transcriptional regulators responsive to G4-stabilizing ligands. Notably, the G4-binding compounds Braco-19 and TMPyP4 showed strong antibacterial activity against a kanamycin-resistant *H. pylori* clinical isolate, significantly repressing virulence gene expression and inducing marked bacterial killing with minimal cytotoxicity in human gastric epithelial cells. This work establishes intragenic G-quadruplexes as druggable regulatory elements in *H. pylori* and highlights G4-targeting ligands as promising candidates for

Department of Library and Information Science

The Department of Library and Information Science has strengthened its academic and digital literacy outreach through meaningful initiatives that promote equitable access to information and foster a culture of digital learning. A major activity undertaken during the year was the organization of an awareness programme on the National Digital Library of India (NDLI), aimed at familiarizing students with the effective use of digital repositories, e-resources, and open-access learning materials. This initiative highlighted the department's commitment to enhancing information-

seeking behaviour, digital resource navigation skills, and lifelong learning competencies among students. The programme successfully introduced learners to NDLI's multidisciplinary collections and demonstrated strategies for optimizing digital searches, managing academic references, and integrating e-learning tools into higher education. Through such academic engagement, the department continues to expand its role in promoting information literacy, digital empowerment, and user-centric information services. These efforts lay a foundation for future research and extension activities in the areas of digital libraries, knowledge organization, information behaviour, and emerging library technologies, reflecting the department's commitment to creating an informed and digitally literate academic community.

**MoUs SIGNED WITH DIFFERENT
INSTITUTIONS/UNIVERSITIES/COMPANIES**

S.N	Signing Authority	Details of Institute	Date
1	Vice-Chancellor, CUH	Nakhon Ratchasima Rajabhat University, Thailand (Government Organization)	10-09-2024
2	Vice-Chancellor, CUH	Offset Printers' Association	26-09-2024
3	Vice-Chancellor, CUH	Telecommunications Consultants India Limited (TCIL) New Delhi	24-01-2024
4	Vice-Chancellor, CUH	Haryana Knowledge Corporation Limited (HKCL), Panchkula	24-04-2024
5	Vice-Chancellor, CUH	Indian Institute of Packaging (IIP), Delhi (Government Organization)	20-01-2025
6	Registrar, CUH	M/S RCICO Liveable Seven Blu Reform Farmer Producer Company Limited (RCICO-FPCL) (Private)	14-02-2025
7	Vice-Chancellor, CUH	Secretary, UGC and Deputy Secretary, MoE (Government)	14-02-2025

PATENTS

Sr. No	Name of the Patentee	Application Number	Title of the Patent	Status & Year
1	Central University of Haryana	202511035926	METHOD OF FERMENTED MILLET-SKIM MILK PRODUCT WITH IMPROVED MICRONUTRIENT BIOAVAILABILITY	Published 2025-05-02
2	Dr. Rakesh Kumar	202511035911 A	AN ADAPTIVE LOAD-BALANCING SYSTEM FOR EFFICIENT JOB DISTRIBUTION IN CLOUD FEDERATION	Published 2025-05-02
3	Dr. Rakesh Kumar	202511032147 A	A SYSTEM FOR MULTI-ATTRIBUTE BASED DOUBLE AUCTION FOR OPTIMIZED VIRTUAL MACHINE TRADING	Published 2025-04-18
4	1. Dr. Munish Manas 2. Prof. Rajesh Kumar Dubey 3. Mr. Kartikeya 4. Mr. Sanskar 6. Mr. Rajat Yadav	202511023351	INNOVATIVE HYDROGEN STORAGE SYSTEM DESIGNED FOR RENEWABLE ENERGY INTEGRATION AND SCALABILITY	Published 2025-04-04
5	1. Dr. Munish Manas 2. Prof. Rajesh Kumar Dubey 3. Mr. Sanskar 4. Mr. Rajat Yadav 6. Mr. Kartikeya	202511023291	HYDROGEN-POWERED FUEL CELL TECHNOLOGY FOR ADVANCED ELECTRIC VEHICLE APPLICATIONS	Published 2025-04-04
6	Prof. Rajesh Kumar Dubey Dr. Munish Manas Mr. Rajat Yadav Mr. Kartikeya Mr. Sanskar	202511023290	HYDROGEN-POWERED BACKUP ENERGY SOLUTION FOR SMART GRID APPLICATIONS AND DISASTER RESILIENCE	Published 2025-04-04
7	1. Prof. Rajesh Kumar Dubey 2. Dr. Munish Manas 3. Mr. Rajat Yadav 4. Mr. Kartikeya 5. Mr. Sanskar	202511023289	ELECTRIC VEHICLE CHARGING NETWORK UTILIZING AI-BASED LOAD BALANCING FOR ENERGY OPTIMIZATION	Published 2025-04-04
8	Ms. Divya Sharma Dr. Ran Bir Singh	202511016207	MIX DESIGN OF HIGH-STRENGTH ONE-PART GEOPOLYMER CONCRETE	Published 2025-03-14
9	Dr. Kalpana Chauhan	202511011827	BLOWER DRONE FOR CLEANING OF THE CRICKET GROUNDS	Published 2025-02-28
10	Dr. Vinod Kumar	202511002145	DEVELOPMENT OF NOVEL NANOCOMPOSITE MATERIALS FOR	Published 2025-01-24

Central University of Haryana

			EFFICIENT CONVERSION OF CARBON DIOXIDE INTO VALUABLE ORGANIC COMPOUNDS	
11	Central University of Haryana	202411104843	AUTOMATED LIFE PROTECTION SYSTEM FOR RAILWAY COACH COUPLING PROCESS	Published 2025-01-10
12	ANSHU SHARMA	202411096892	SE/G-C3N4/PPY NANOCOMPOSITES FOR SUPERLATIVE SUPER-CAPACITIVE PERFORMANCE	Published 2024-12-20
13	RAWAT, Dr. Keshav SinghSHARMA, Tarun	202411096013	AN ARTIFICIAL INTELLIGENCE (AI)-BASED UNMANNED AERIAL VEHICLE (UAV)-ASSISTED REMOTE EMERGENCY RESPONSE SYSTEM AND METHOD THEREOF	Published 2025-03-14
14	DR. ANSHU SHARMA	202411095663	A PROCESS FOR PREPARATION OF NANOCOMPOSITE ELECTRODE MATERIAL FOR ENHANCED SUPERCAPACITOR PERFORMANCE AND METHOD THEREOF	Published 2025-01-03
15	Dr. Monika	202411093332	AN ADVANCED SEED GERMINATION ANALYZER SYSTEM AND METHOD WITH REAL-TIME GROWTH MONITORING	Published 2025-01-17
16	Dr. Monika	202411093330	A SMART SEED DORMANCY BREAKING DEVICE WITH PRECISION TEMPERATURE CONTROL	Published 2025-01-17
17	REGISTRAR CENTRAL UNIVERSITY OF HARYANA	202411086663	SMO/G-C3N4 NANOCOMPOSITES FOR DYE INDUSTRIES WASTEWATER TREATMENT	Published 2024-11-22
18	1)Vinod Kumar 2)Central University of Haryana	202411072872	SYNTHESIS AND CHARACTERIZATION OF NEW SERIES OF THIAZOLYL-PYRAZOLE DERIVATIVES	Published 2024-10-11
19	Dr. Anshu	202411077801	A MAGNESIUM OXIDE/GRAPHITIC CARBON NITRIDE/POLYPYRROLE (MGP) TERNARY COMPOSITE AND METHOD THEREOF	Published 2025-01-24
20	Dr. MULAKA MARUTHI, Ms, NEETU KUMARI, RITIKA MITTAL, NANCY GUPTA	202411075904	A FLUORESCENT NANOCUSTER AND A METHOD OF SYNTHESIS THEREOF	Granted 2025-05-02
21	Central University of Haryana	202411072033	NUTRI PHOG BREAD	Published 2024-10-11
22	1)Vinod Kumar 2)Central	202411073327	DEVELOPMENT OF SOLVENT-FREE AND GREEN SYNTHETIC PROTOCOL FOR 2-(3,5-	Published 2024-10-11

Central University of Haryana

	University of Haryana		DIMETHYL-4-NITRO-1H-PYRAZOL-1YL)-1-ARYLETHANONES	
23	1)Vinod Kumar 2)Central University of Haryana	202411073329	DEVELOPMENT OF NEW 3-METHYL-4-(3'-METHYLISOXAZOL-5'-YL)-1-ARYL-1H-PYRAZOL-5-OL DERIVATIVES AS ANTILUNG CANCER AGENTS	Published 2024-10-11
24	1)Vinod Kumar 2)Central University of Haryana	202411073321	SYNTHESIS AND CHARACTERIZATION OF NEW 3-METHYL-4-(3'-METHYLISOXAZOL-5'-YL)-1-ARYL-1H-PYRAZOL-5-OL DERIVATIVES	Published 2024-10-11
25	1)Vinod Kumar 2)Central University of Haryana	202411073093	BIS-PYRAZOLES AS EMERGING UV MOLECULAR FILTERS FOR DNA PROTECTION	Published 2024-10-11
26	1)Vinod Kumar 2)Central University of Haryana	202411073140	REGIOSELECTIVE AND MECHANOCHEMICAL SOLVENT-FREE PROTOCOL FOR SYNTHESIS OF NEW 3,5DIMETHYLPYRAZOLE LINKED 1,3,4-OXADIAZOLE DERIVATIVES	Published 2024-10-11
27	1)Vinod Kumar 2)Central University of Haryana	202411073062	DEVELOPMENT OF THIAZOLYL PYRAZOLES AS EFFECTIVE UV-ABSORBERS FOR DNA PROTECTION	Published 2024-10-11
28	1)Vinod Kumar 2)Central University of Haryana	202411073035	SYNTHESIS AND CHARACTERIZATION OF NEW SERIES OF 2-(BROMOSUBSTITUTED ARYLAMINO)-4-ARYLTHIAZOLES	Published 2024-10-11
29	Central University of Haryana	202411071977	BIODEGRADABLE PEA PODS PLATES	Published 2024-10-11
30	Mayank Kinger, Sudeep Dhillon, Priyanka Rani, Mamta Chahal, Ginna Kumari, Vinod Kumar	202411071289	A PROCESS FOR DIFLUORINATION OF ALKYLATED IMIDAZOLE DERIVATIVES	Published 2024-10-04
31	1.Savita 2.Central University of Haryana	202411068506	GILOY BREAD	Granted 2025-07-01
32	Dr. Manoj Kumar Gupta	202411066472	“A NOVEL ANTICANCER COMPOUND AND METHOD OF PREPARATION THEREOF ”	Filed 2024-09-04
33	1)Vinod Kumar 2)Central University of Haryana	202411060370	DEVELOPMENT OF 2-(BROMOSUBSTITUTED ARYLAMINO)-4-ARYLTHIAZOLES AS NEW ANTI-LUNG CANCER AGENTS	Published 2024-09-27
34	Vinod Kumar, Aman Kumar, Ekta, Manoj	202411060410	(E)-4-(2-(4-CHLORO-3-(TRIFLUOROMETHYL)PHENYL)HYDRAZONO)-5-METHYL-2-(4-PHENYLTHIAZOL-2-YL)-	Published 2024-08-30

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	Kumar Gupta, Mulaka Maruthi, Mettle Brahma		2,4-DIHYDRO-3H-PYRAZOL-3-ONE AS NEW ANTI-LUNG CANCER AGENTS	
35	Dr. Manoj Kumar Gupta	202411059781	"A NOVEL BENZAMIDE DERIVATIVE WITH ANTICANCER PROPERTIES AND ITS METHOD OF SYNTHESIS"	Filed 2024-08-08
36	Dr. Ankit Kumar Sharma, Dr. Akash Saxena, Dr. Dheeraj Kumar Palwalia, Dr. Bhanu Pratap Soni, Prof. Ramesh Bansal	202411052238	INTELLIGENT DEMAND RESPONSE SIMULATION SYSTEM WITH REAL-TIME PRICING AND PEAK TIME REBATE	Published 2024-07-06
37	Dr. Priyanka Kumari, Dr. Neeraj Kumari, Dr. Chandra Mohan, Dr. Anoop Yadav	202411051315	A SEED COATING BIOFILM COMPOSITION, PROCESS FOR PREPARING THEREOF AND USES THEREOF	Published 2024-07-12
38	Satyender Kumar, Neelam Makwana, Seema, Dinesh Kumar, Rakesh K Sindhu, Amrish K Sindhu, Dil Prasad Subba, Shivanshu Sharma	202411038760	SEMISYNTHETIC SWERTIAMARIN ANALOGUES FOR ENHANCING GLUT FACILITATION AND INSULIN SECRETION	Published 2024-05-31
39	1 . Prof. Vinod Kumar 2 . Central University of Haryana	202411019486	SYNTHESIS AND CHARACTERIZATION OF NEW 1,3,4-TRISUBSTITUTEDPYRAZOLE- LINKED SCHIFF BASES AND THEIR CU(II) COMPLEXES	Published 2024-05-10
40	1 . Prof. Vinod Kumar 2 . Central University of Haryana	202411019487	1,3,4-TRISUBSTITUTED PYRAZOLE-LINKED SCHIFF BASES AND THEIR CU(II) COMPLEXES AS ANTIMALARIAL AGENTS	Published 2024-05-10
41	1 . Prof. Vinod Kumar 2 . Central University of Haryana	202411019469	3-METHYL-4-(3'-ARYL-1'-PHENYL-1H- PYRAZOL-4'-YL)-METHYLIDENE-1- PHENYLPYRAZOLIN-5(4H)-ONES AS NEW ANTI-LUNG (A549) CANCER AGENTS	Published 2024-05-10
42	1 .Prof. Vinod Kumar 2 . Central University of Haryana	202411019499	DEVELOPMENT OF NEW 1,3,4- TRISUBSTITUTED PYRAZOLE-LINKED SCHIFF BASES AND THEIR CU(II) COMPLEXES AS ANTI-LUNG CANCER AGENTS	Published 2024-05-10
43	1.DR. RAMESH KATARIA 2.KUSHAL ARYA 3.AJAY	202411010268	A COMPOSITE OF ZN-MOF@RGO AS A CATALYST FOR EFFICIENT DYE DEGRADATION AND THE PREPARATION METHOD THEREOF	Granted 2024-09-09

	KUMAR 4.DR. SURINDER SINGH 5.DR. RAVINDER KUMAR 6.PROF. S.K. MEHTA 7.DR. VINOD KUMAR			
44	1. Dr. Babita Rani 2. Dr. Manish Kumar 3. Ms. Sarita Kumari 4. Ms. Sangeeta	202411017159	INTELLIGENT CLASSROOM MANAGEMENT SYSTEM FOR ENHANCED LEARNING ENVIRONMENTS	Published 2024-04-12
45	1. Ms. Sangeeta 2. Dr. Neelam Sharma 3. Ms. Sarita Kumari 4. Dr. Manish Kumar	202411015665	FACIAL EMOTIONS BASED ONLINE EXAM CHEAT DETECTION	Published 2024-03-08
46	1. Padmsen Shubham 2. Saurabh Kumar 3.Dr. Sneha Gupta 4.Dr. Saurabh Kumar 5.Neelam Singh 6.Dr. Vikas Kumar	418756-001	TAMPER ROD FOR IMPROVING SOIL COMPACTION	Design Patent granted 09/08/2024
47	1. Vibhuti Sharma 2. Ashish Solanki 3.Prof. Praveen Kumar 4. Dr. Dushyant Kumar	468369-001	SUSTAINABLE BIOCHAR KILN FOR PRODUCTION OF BIOCHAR FROM KITCHEN-DERIVED PUTRESCIBLE WASTE	published 04/08/2025
48	1.Dr. Akash Priyadarshee 2. Mr. Atul Kumar Rahul 3. Dr. Kuldeep Sharma 4.Dr. Vikas Kumar 5. Er. Sunayana	202431006177	PORTABLE WATER FILTER	Published 30/01/2025

IMPORTANT AWARDS AND RECOGNITION OF THE FACULTY MEMBERS

S.N	Name of the Faculty	Major Awards and Distinctions
1	Prof. Tankeshwar Kumar Vice-Chancellor, CUH	Top Performing University of India
2		World Education Congress Award 2024
3		Outstanding Leadership Award
4		Certificate of Membership as Honourary Member of the Rotary Chandigarh Shivalik
5	Central University of Haryana Jant-Pali Mahendergarh	IIRF Ranking 2024
6	Prof. Rupesh Deshmukh	Fellow of Maharashtra Academy of Science, Pune, India
7		Top 1% highly cited researcher
8		Prof. K S Bhargava Memorial Award
9	Prof. Ranjan Kumar Sahoo	Member in Advisory Committee on National Accounts Statistics (ACNAS)
10	Dr. Vinita Malik	Best Paper Award
11	Dr. Anita Kumari	National Award for Teaching Excellence in Higher Education Institutions
12	Dr. Ran Bir Singh	Best Paper Award
13	Dr. Dushyant Kumar	Hack4Purpose(1st Edition)
14	Dr. Mona Sharma	Award for Best Paper Presentation
15	Dr. Anita Kumari	Best Oral Presentation Award
16	Dr. Namrata Dhaka	Innovative Young Biotechnologist Fellowship, DBT
17		Innovative Science Teaching Award, CUH
18	Dr. Anita	Best Researcher Award (Projects), CUH
19	Dr. Vinod Kumar	Best Researcher Award (Patents), CUH

MAJOR FLAGSHIP PROGRAMMES OF THE UNIVERSITY

UGC- Malaviya Mission Teacher Training Centre

Initially, School of Education, CUH had been awarded the national flagship Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNM-TT) Centres in 2016 towards teachers training across the levels. Dr. Parmod Kumar and Dr. Surender Singh were assigned the responsibilities of the PMMMNM-TT as Coordinator and member respectively. In 2023, the Ministry of Education (MoE) has integrated HRDCs and PMMMNM-TT Centres be strengthened in order to meet the objective of NEP 2020 and the entire capacity building effort should be renamed and popularized as **Malaviya Mission**. The Hon'ble Minister of Education, Skill Development and Entrepreneurship- **Shri Dharmendra Pradhan ji** launched the Malaviya Mission-Teacher Training Programme (MM TTP) on the occasion of Teachers' Day on 5th September, 2023. He also launched the MM-TTP portal and released an information brochure on MM-TTP. Total 111 institutions have been identified as a part of the programme which will now be called Malaviya Mission Teacher Training Centres (MMTTC) and Central University of Haryana is one of institutions who got this prestigious UGC-MMTTC. The main objective of the new phase of the scheme is the Orientation and Sensitization of the Faculty members of HEIs on core NEP 2020 Themes and faculty development programmes including FIPs, Refresher Courses, Short Term Programmes etc. **Prof. Parmod Kumar**, Head, Department of Teacher Education has been appointed as Director, UGC-MMTTC, CUH and **Prof. Surender Singh**, Head, Department of Microbiology, CUH is appointed as Deputy Director, UGC-MMTTC, CUH. The MMTTC, CUH has organised a number of academic programmes for the teachers and scholars of Higher Education Institutions during the session 2024-25 under the able guidance of Hon'ble Vice-Chancellor.

DDU Kaushal Kendra/ Department of Vocational Studies and Skill Development

Dynamic and visionary Prime Minister Sh. Narendra Modi Ji is a ray of hope for many such hardworking youth who are average in studies but poor and marginalized and who can't afford technical education provided by private players at very high

cost. Central University of Haryana has positively tried to fulfil the dream of Hon'ble Prime Minister regarding Skill India and students are mobilising towards Skill India Initiative. The University also aims to skill on a large scale with speed and high standards in order to achieve vision of 'Skilled India'.

Three B.Voc. Programmes (Retail & Logistics Management, Biomedical Sciences and Industrial Waste Management) under Deen Dayal Upadhyaya Kaushal Kendra (DDUKK) were started in January 2016. Students of the above mentioned B.Voc. programmes are getting offer letter for jobs in industries, starting their own ventures and have also undergone internship for the job roles defined as per the guidelines of respective Sector Skill Councils and as per the UGC guidelines for curricular aspects, assessment criteria and credit system in skill based vocational courses under National Skills Qualification Framework (NSQF). The skill components of B.Voc. Retail & Logistics Management, B.Voc. Biomedical Sciences and B.Voc. Industrial Waste Management are assessed and certified by Retailers Association's Skill Council of India (RASCI), Life Sciences Sector Skill Development Council (LSSSDC) and Skill Council for Green Jobs (SCGJ) respectively. We are happy to share that we achieved cent percent results in the assessment of NSQF Level-4, Level-5 and Level-6 for the specified job roles of the respective sector skill councils. Cent percent result in skill component of the syllabi in the above mention B.Voc. programmes expresses that Central University of Haryana is imparting the required skill competence in the student at different stages.

The curriculum of the skill component of the programmes is developed by the concerned Sector Skill Council. We have adopted the curriculum in consultation with the industry partners and National Skill Development Corporation (NSDC). MoUs with various companies were also signed for the purpose for skill training, internship and placement. Further, alignment of the skill component of the curriculum is also ensured with the National Occupational Standards developed by the respective Sector Skill Councils. Monitoring/ evaluation and updation of curriculum is done periodically in consultation with the concerned Sector Skill Council and industry partners keeping in view their requirements and change in National Occupational Standards.

Key Features of B.Voc. Programmes:

- Skill-based job oriented graduation programme as per the guidelines of National Skills Qualification Framework (NSQF).
- Curriculum has been designed as per the Qualification Packs of respective Sector Skill Councils.
- A well-established Retail Laboratory and e-Retail laboratory with adequate number of computer systems.
- Extensive practical and on-the job training along with periodic industrial visits and industry interactions.
- The programme has industry partnerships with leading companies which are renewed from time to time.
- Industry-specific skills to enhance employability
- Occupational skills to enable entrepreneurial initiatives
- Multiple exits like, Certificate, Diploma and Advanced Diploma.

Above mentioned information of DDU KAUSHAL Kendra express the all-around good performance of this Centre at Central University of Haryana for creating skilled manpower as per industry requirements at various levels. It is also submitted that we are committed to work for coordination between our university and industry; to ensure adequate knowledge and skills among students for appropriate employment and developing entrepreneurial traits to meet the economic and industrial needs at national level.

SWAMI DAYANAND SARASWATI CHAIR

About the Chair

This Chair has been established by University Grants Commission for five years and can be extended for two more years. Its main objective is to preach and propagate lifetime achievements of Swami Dayanand Saraswati, mainly his visionary social reforms through Seminars/Workshops/Summer Schools and research projects on Vedic Studies. Also, to contribute and participate in such activities organized by other

Universities/Research Institutes/Chairs throughout the country and abroad. The Chair aims to propagate the ideas, teachings, visionary mission and achievements of Swami Dayanand Saraswati. This chair has taken up some topics amongst them for research. Any of the teachers, non-teaching workers and students desirous to know more and interact, are most welcome. The Vedic Reference Library of the Chair is open for all. Some of the prominent Vedic teachings are also displayed here.

OBJECTIVES OF THE CHAIR

- To popularise the teachings of Swami Dayanand Saraswati among the common masses and rejuvenate the Vaidika-Dharma among them.
- To take-up various projects on the works of Dayanand and his Guru Dandi Virajanand and promulgate research on Vedic and Sanskrit literature.
- To propagate our Ancient Cultural and Literary Heritage embodied in different texts of Vedic and Classical Sanskrit Literature by their translation and research.
- To make familiar various aspects of Vedic Culture among the students.
- To organise various activities viz. Lectures, Workshops, Seminars, Conferences etc. on Dayananda, his mission and his writings

DR. AMBEDKAR CENTER OF EXCELLENCE

Dr. Ambedkar Center of Excellence (DACE) has been established in Haryana State in the Central University of Haryana, Mahendragarh under the umbrella of Dr. Ambedkar Foundation (DAF), Ministry of Social Justice and Empowerment, Govt. of India, in April 2022. The DACE-CUH is presently running on the second floor, Admin block building which was inaugurated on 1st October in the gracious presence of Smt. Sunita Duggal, MP, Sirsa, and Honorable Vice Chancellor, Prof. Tankeshwar Kumar. The purpose of the Dr. Ambedkar Center of Excellence, Central University of Haryana (DACE-CUH) center is to empower Scheduled caste (SC) students by providing the best and free coaching facilities for Civil Services Examinations conducted by the UPSC to the total 100 SC students.

Vision

The free coaching provided by the CUH-DACE will not only motivate the SC students for appearing in such examinations but also improve their preparation skills for qualifying for the Civil services examinations. This coaching includes well-designed regular theory classes taken up by qualified and experienced professionals to fulfill the goal of the young aspirants.

Objectives

- To make young aspirants aware and motivate them for preparation of different competitive examinations including Civil Services Examinations.
- To train students by qualified and experienced professional experts through different pedagogies.
- To tap the students' talent for participation in competitive examinations.
- To empower the students for leading and serving the community by acquiring better opportunities in their careers.

Functioning of DACE

The student can get admitted in the DACE center through a nationwide entrance examination. The scheme is open only for the SC candidate. The candidate, who has taken benefits under DACE scheme earlier, is not eligible to apply. The total number of seats available for this scheme is 100 which will be filled on merit basis of Common entrance examination marks. 33% of seats are reserved for female candidates belonging to the SC category. The classes commenced on 1st October 2022 in the full-time regular physical mode and Continuous evaluation based on mock test/ test series is being conducted every month for assessment of candidate performance. There are three faculty required for teaching to the students who have been successfully appointed through nationwide advertisement followed by an interview.

UNIVERSITY LIBRARY SYSTEM

University Library System comprises of five libraries viz. Pandit Deendayal Upadhyaya (PDU) Central Library, School of Engineering and Technology (SOET) Library, School of Education (SOE) Library, School of Law (SOL) Library, and Dr. Ambedkar Center of Excellence (DACE) Library. These libraries are our users' preferred locations for community connection and learning.

The Library collection comprises of a broad spectrum of academic and popular literature in print as well as in digital formats. The collection of library system comprises of 60,441 books, 6,973 e-books, 18214 e-journals, 216 theses, 36 magazines, 17 print journals, 34 newspapers, and 9 software/databases. The Library regularly adds new collection in response to the demand being received from our users. With the trained and qualified staff, the Library executes many user-centric and research-centric innovative services, provides the best possible facilities and organize meaningful academic and research events supporting the teaching, learning, research and publication activities.

Statistics

- Libraries: 5 (including Central Library and School of Study level libraries)
- Members: 4500+
- Reading rooms: 18 (3+2 in Central Library; 7 in Hostels; 1 each in 3+1 School of Study level libraries; 1 in DACE)
- Reading space; 350 seats (approx.)
- Print Books: 60,441
- Titles: 23,568
- E-books: 6,973
- E-journals: 18,214 (including ONOS e-journals)
- Print theses: 216
- E-theses uploaded eShodhganga: 216

- Dissertations/theses uploaded on our Institutional Repository: 216
- Databases/Software: 9
- CD-ROMs: 509
- Newspapers: 34
- Documents uploaded on our Institutional Repository: 1750+
- Faculty profiles uploaded on IRINS: 194
- Open access papers of our faculty available on IRINS: 588+
- Total publications of 194 faculties of CUH as listed on IRINS: 2328
- Number of courses run by the Library: 4
- Trained Library staff: 15
- PhD scholars trained by Library (through RPE Course): 600+
- H-index of CUH: 78
- DrillBit plagiarism check submissions: 6602 by 1003 users.
- Turnitin plagiarism check submissions: 1968 by 833 users.

Collection Development: During 2024-25,

- 2195 print books worth Rs.30.92 lacs;
- 17 print journals worth Rs. 82,000;
- Online resources 9 databases/software worth Rs. 44.53 lacs;
- 319 e-books worth Rs. 39.14 lacs were procured;
- One Nation One Subscription e-journals accessible - 13000 of 30 publishers offered by Ministry of Education.

Collaboration/Membership: The Library availed institutional membership of DELNET, New Delhi for accessing varied resources.

Courses Conducted for PhD/PG students of CUH in 2024-25:

1. Two-credit UGC-mandated course on “Research and Publication Ethics” for research scholars of various Departments. Resource persons from prestigious institutes/ universities trained the researchers on ethical conduct of research and publication activities.
2. “Communication Skills and Personality Development”, a Value Added Course
3. “Open Access Publishing”, a Value Added Course
4. “Stress Management”, a Value Added Course

Library events/ extension activities: Organized 20+ Library events for the user community comprising: user literacy programmes, book exhibitions, competitions, extension activities, interactive sessions, panel discussions, etc. The purpose of the events was aimed at promoting reading habit and maximum utilization of the library resources, tools, platforms, services, etc.

Improvements in 2024-25: Following improvements were made in the overall functioning of the Library during 2024-25:

- New Library Building construction has been initiated.
- One Nation One Subscription (ONOS) Scheme offering 13000 e-journals of 30 publishers is implemented.
- Continued CUH eLibrary Remote Access App for Library Users for accessing 12 lacs+ e-resources.
- Initiated stock verification of Central Library and 4 School level libraries of the University using advanced remote barcode scanners. Saved a lot of time, energy and cost for conducting stock verification.
- For the first time, introduced daily-lecture series for the M.L.I.Sc. students who joined our Library under the banner of Internship Programme of Dept. of Library and Information Science, CUH.
- Introduced three Value Added Courses for PG students.

International Professional Visits:

- Dr. Santosh C. H., University Librarian, visited University of Cambridge on its invitation for a week-long visit cum professional discussion with the leadership team of Cambridge University Library (CUL) in June, 2024.
- Dr. Vinita Malik, Information Scientist, bagged Best Paper Presentation Award at the 7th International Conference on CSR and Sustainability held at University of Janabadra, Indonesia in June, 2024.

Events Organised by the Central Library:

1. 20-27 Nov. 2024/ National Library Week 2024. Organised various competitions for the CUH students and researchers.
2. 20th September 2024/ Demonstration of Manupatra database for Law students/faculty.
3. 17th September 2024/ Online Demo of SciFlow.
4. 10th September 2024/ Lecture on “Financial Literacy”.
5. 10th September 2024/ Lecture on “Careers after graduation”.
6. 12th September 2024/ Online Demo of JoVe database.
7. 12th August 2024/ One Library One Software and CUH e-Library Web and Mobile application.
8. 7th August 2024/ Demo of Academic Lab for the faculty/students.
9. 22nd April 2024/ Demonstration of new eLibrary web portal and mobile application for the Library staff.
10. 5th April 2024/ Induction Programme: “Research and Publication Ethics” Course for newly admitted PhD Scholars of the academic year 2024-25 (Winter Session).

UNIVERSITY HOSTELS

The University has well-furnished hostels for girl and boy students. State of the art mess, canteen, gym, indoor games, cafeteria, Wi-Fi and reading rooms are the main facilities available in the hostels. Details of hostels are as follows:

Boys Hostel

S.N.	Place	Capacity
1.	S. N. Bose Boys Hostel	315
2.	S. Ramanujan Boys Hostel	315
3.	Homi J. Bhabha Boys Hostel	315

Girls Hostel

S.N.	Place	Capacity
1.	Janaki Ammal Girls Hostel	315
2.	A. P. J. Abdul Kalam Girls Hostel	315
3.	Asima Chatterjee Girls Hostel	315
4.	Kalpana Chawla Girls Hostel	315

UNIVERSITY HEALTH CENTRE

University Health Centre is fully manned by the qualified human resources for providing essential medical health facilities to all the employees and students. It aims to promote and maintain the physical, mental, and emotional well-being of the campus community.

Responsibilities

- To provide curative prevention as well as rehabilitative health care services;
- Offers preventive services (vaccinations, health screenings, health education)
- To provide round the clock first-aid facility;
- To refer the patients to higher centres, if required;
- To provide ambulance service to take the patients to nearby Civil Hospital/ CHCs/PHCs, wherever required (24/7/365);
- Supports mental health and counselling.
- To provide primary healthcare;
- To provide curative prevention as well as rehabilitative health care services on 24/7/365 basis;

Staff of University Health Centre

- Dr. Puja Yadav, In-Charge, University Health Centre
- Dr. Rajat Yadav, Medical Officer
- Dr. Heena Yadav, Medical Officer
- 1 nursing officer, 1 medical attendant, 1 pharmacist, 4 MPHWS 2 Male & 2 Female, 1 lab technician, 1 office attendant.

Infrastructure of University Health Centre

- Two Separate Offices for the Medical Officers i.e. One Male Medical Officer and One Female Medical Officers.
- One Separate Room for Pharmacy

- One Emergency Room
- One X-Ray Room
- One Room for Diagnostic Lab
- One Dressing Room and ECG room.
- One separate ward for IPD patients.
- One room for yoga and alternate therapies.
- One room for wellness clinic.
- Available 24x7 Ambulance & Emergency Services.

Laboratory Test Facilities

- Kidney Function Test
- Liver Function Test
- Lipid Profile
- Complete Blood Count
- Blood Grouping
- Calcium
- C Reactive Protein
- Random & Fasting Blood Sugar
- Dengue / Typhoid / Malaria
- Urine Examination (Routine & Microscopy)

OPD Timing: 9:00 am to 5:00 pm

Laboratory Timing: 8:00 am to 4:00 pm (blood sample collection timing 8:00 am to 1:00 pm & test report timing 2 pm to 4 pm)

Emergency Facilities: 24x7 emergency facilities available

- Availability of one professional medical trained staff at health centre to deal with emergency cases roaster wise.

- Availability of one medical officer in the campus even on holidays and always available on call for emergency roaster wise.
- Ambulance service 24*7

Disposal of Bio Medical Waste

Bio-Medical Waste generated by the University Health Centre collected by M/s Maruti Bio Medical Waste Plant, Hetampura, Bhiwani which is officially recognized/approved by Haryana State Pollution Control Board (HSPCB) which is the prescribed authority for enforcement of the provisions of Bio-Medical Waste (Management and Handling) Rules in respect of all the health care facilities located in the State of Haryana.

Steps towards Health Awareness

- Health checkup camp by chirayu hospital and Team Mahendergarh. On 12 april 2024
- Mega health camp organised by Medanta hospital on 5 Sept 2024
- Medical camp for Housekeeping staff of university on 23 Sept 2024.
- Awareness rally on “World Pharmacist Day” in collaboration with dept. of Pharmaceutical science on 25 Sept. 2024.
- Blood Donation Camp on 26 nov. 2024
- Dental checkup and Mouth Hygiene Awareness Camp held on 20th & 21st February 2025
- Blood Donation Camp on 4 march 2025
- A vaccination drive for children is conducted on the 3rd Tuesday of every month by the PHC Pali medical team

Health Centre Policy

1. OPD Facilities

- Permanent Employees and their Dependents - OPD facility and medicines shall be provided to the permanent employees and their dependents in the University Health Centre free of cost along with laboratory facilities.

- Students of University - OPD facilities and medicines shall be provided to all the present students of the university free of cost along with lab tests.
- Contractual and Outsource Employees - OPD facilities shall be provided to all contractual and outsource employees and their dependents free of cost. Medicine available in stock will also be available for them for 3 days (Dependents not Considered). Patient shall be further referred to nearby PHC Pali or Civil Hospital, Mahendergarh.

2. Emergency facilities

Emergency facility shall be available 24x7 in University Health Centre. In case of any severe injury patient shall be referred to Civil Hospital Mahendergarh via university ambulance free of cost. Prior to that first aid treatment should be given to the patient and should be sent for further evaluation with his/her known attendant or medical staff (if any attendant is not available).

3. Ambulance Services

24x7 available for students and staff.

4. Health Record Book

Health record books of employees and their dependents shall be made available for seeking consultation from Doctor at Health Centre. Health record books are to be maintained by the concerned employee.

5. Medicines Distribution in Pharmacy

Medicines to be given to patients as prescribed by duty Doctor. Medicines to be given to any patient on basis of severity of illness not more than 5 days at a time. In case of chronic illness medicines can be given upto 10 days. Duty Doctor shall not prescribe any treatment for more than a month at a time. For contractual / outsource staff medicine can be given upto 3 days on prescription of Doctor. Distribution of medicine to be recorded in pharmacy record register.

6. Medical Staff of Health Centre

There are two medical officers posted at Health Centre. Duty roaster should be made such that at least one doctor should be available at Health Centre in OPD hours daily and on call duty after OPD hours in case of any emergency. At least one medical staff should be present in Health Centre to distribute medicines/injections and dressing of patient. One ambulance driver shall be always available at Health Centre. Duty roaster of the staff and doctor should be displayed on the notice board. Emergency helpline number should be displayed on notice board and also in every hostel and should be broadcast to each and every staff of university.

7. Empanelment of hospitals

Empanelment of hospitals across Haryana, Delhi and Rajasthan to enhance accessible and quality healthcare services for beneficiaries.

8. Monthly Patient Record of Health Centre

S.N.	Month April 2024 to March 2025	Male OPD	Female OPD	Emergency Patient	Dressing Patient	IPD	Total	Laboratory Test
1.	April 2024	1876	933	451	76	0	3336	89
2.	May	1769	864	323	68	0	3024	72
3.	June	847	381	150	40	0	1418	39
4.	July	1002	380	152	61	0	1595	46
5.	August	1878	876	347	94	0	3195	84
6.	September	2507	1264	537	153	0	4461	168
7.	October	2570	1221	396	79	0	4266	99
8.	November	1906	1050	78	78	0	3112	38
9.	December	1840	876	131	79	0	2926	109
10.	January 2025	1504	826	171	68	0	2569	81
11.	February 2025	2104	1143	316	83	0	3646	63
12.	March 2025	2296	1209	406	110	0	4021	87

MAJOR PROGRAMMES ORGANISED BY THE DIFFERENT DEPARTMENTS

S.N	Titles	Date	Host Department	No. of Participation/Beneficiaries
International / National Webinars/Seminars/Conferences/Workshops				
1.	Conference on the Theme “Elder Well-being in India”	March 24-25, 2025	Department of Law	96
2.	Conference on “Elder Well-Being in India: Contributing to India’s Vision @2047”	March 24-25, 2025	Department of Psychology	370
3.	National Seminar on “Skill Development, Employability, and Interview Preparation”	March 19-21, 2025	TPC	477
4.	Webinar on” From Campus to Courtroom”	March 04, 2025	Department of Law	55
5.	International Conference on “Advancements in Material Science for Sustainable Development”	February 13-15, 2025	Department of Physics and Astrophysics	200
6.	National Seminar on the theme “We the People @75: Navigating Social Justice and Global Peace”	February 06-07, 2025	Department of Law	112
7.	National Seminar on “‘महर्षि अगस्त्य का भारतीय वैज्ञानिक परम्परा में योगदान”	January 30, 2025	Department of Sanskrit	70
8.	Seminar on “Sensitization Programs on Transgender Persons” Protection of Rights Act	December 23-January 04, 2025	Department of Psychology	78
9.	“Magnetocaloric Effects and Spin-Lattice Interaction”	December 06, 2024	Department of Physics and Astrophysics	50
10.	Workshop in collaboration with Piramal Foundation, New Delhi on the theme “Leadership in 21 st Century”	December 6, 2024	Department of Sociology	92
11.	“Research Methodology Course in Social Sciences” sponsored by ICSSR	November 12 to November 21, 2024	School of Business and Management Studies	30

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12.	Three days Training program on “Social Defence Issues” sponsored by National Institute of Social Defence, Ministry of Social Justice and Empowerment, Govt. of India.	October 21 to October 23, 2024	Department of Sociology	55
13.	National Seminar on “Tourism as a catalyst for Sustainable Peace and a Better Future”	September 27, 2024	Department of Tourism and Hotel Management	64
14.	Workshop on “Suicide Prevention”	September 23 to September 27, 2024	Department of Psychology	163
15.	Workshop on “Legal Research and Artificial Intelligence”	September 20, 2024	Department of Law	78
16.	Five days Lecture Series on the theme “Entry into Administrative Services”	September 09 to September 13, 2024	Department of Sociology	83
17.	Conference on “Bharat@2047”	August 08, 2024	Other Aatmanirbhar Cell	50
18.	International Seminar Series on “Plant Genomics and Kosambi Vigyan Mohstav”	July 31, 2024	Department of Biotechnology	128
19.	National Seminar on “Teacher Education and NEP 2020: Prospects and Challenges”	June 10 – June 11, 2024	Department of Teacher Education	100
20.	National Seminar on “भारतीय ज्ञान परंपरा में श्रीमद्भगवत गीता”	May 09, 2024	Department of Hindi	91
21.	एक दिवसीय राष्ट्रीय योग सेमिनार का आयोजन “भारतीय ज्ञान परंपरा”	April 23, 2024	Department of Yoga	70
22.	National Seminar on “संस्कृत-सप्ताह 2024”	August 16 to August 22, 2024	Department of Sanskrit	107
23.	One Week Online National Workshop on Statistical Data Analysis Using SPSS & R 6 th edition (SDASR)	March 17-21, 2025	Statistics	118
24.	Two days Induction programme for beginners-3	August 6- August 7, 2024	Journalism and Mass Communication	28
25.	Amar Ujala Campus placement Drive	August 18, 2024	Journalism and Mass Communication	25

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26.	One Day Workshop on Graphics and Animation	September 10, 2024	Journalism and Mass Communication	32
27.	Hindi Diwas	September 12, 2024	Journalism and Mass Communication	79
28.	Two Days Workshop on Indesign and Newspaper Production	October 21- October 22, 2024	Journalism and Mass Communication	64
29.	Special lecture on Religious Communication and Social Media	October 23, 2024	Journalism and Mass Communication	21
30.	One Day Workshop cum Webinar on Media and Information Literacy for Public Interest	October 24, 2024	Journalism and Mass Communication	36
31.	One Day Capacity building workshop on Parliamentary Reporting.	November 19, 2024	Journalism and Mass Communication	46
32.	One Day workshop on Television News Script Writing.	November 28, 2024	Journalism and Mass Communication	58
33.	Special Lecture on Writing Skills by Sh. Sunit Mukherji, Director Public Relations, MDU, Rohtak	December 18, 2024	Journalism and Mass Communication	25
34.	Special Lecture on Feature writing and Career and Scope in Media	December 3, 2024	Journalism and Mass Communication	30
35.	Two Day Workshop on Transgender Persons Act.	January 30- January 31, 2025	Journalism and Mass Communication	184
36.	World Radio Day	February 13, 2025	Journalism and Mass Communication	30
37.	Intra-Department Sports Meet	March 3, 2025	Chemistry	80
38.	Organized Campus placement drive of Delhi Duty Free for the placement of University students.	April 3, 2024	B.Voc (Retail and Logistics Management), Department of Vocational Studies and Skill Development	28

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39.	Organized Workshop on “Preparing the Young Mind for the Entrepreneurial Future through MERG ERP system”	May 15, 2024	B.Voc (Retail and Logistics Management), Department of Vocational Studies and Skill Development	137
40.	Organized On Campus placement drive of <i>UNIQLO</i> (A Japanese Company) for the placement of University students.	May 21, 2024	B.Voc (Retail and Logistics Management), Department of Vocational Studies and Skill Development	43
41.	Organized expert lecture of Prof. Tej Singh (IGU Meerpur) on the topic “NEP 2020: A Step Towards Skill Development”	May 22, 2024	B.Voc (Retail and Logistics Management), Department of Vocational Studies and Skill Development	45
42.	Organized On Campus placement drive of <i>SG Green Logistics Pvt. Ltd (North Eastern Carrying Corporation group)</i> for the placement of University students.	April 24, 2024	B.Voc (Retail and Logistics Management), Department of Vocational Studies and Skill Development	42
43.	Organized workshop on foundational financial literacy and investor awareness program.	February 12, 2025	B.Voc (Retail and Logistics Management), Department of Vocational Studies and Skill Development	142
44.	Two Days Workshop on “Virtual Labs” by Mr. Chetan & Mr. Amit Sharma, Project Associate, Virtual Labs, IIT Roorkee.	02-03, September 2024	Civil Engineering	58
45.	3 Day Workshop on SAP2000 from September 19-21, 2024	September 19-21, 2024	Civil Engineering	60

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46.	One Days workshop on “AutoCAD Software” by Mr. Jaipal Singh, Sr. Designer Grafix Engineering Consultants, Delhi, India.	24 September 2024	Civil Engineering	49
47.	Engineer’s Day organized on September 27, 2024	September 27, 2024	Civil Engineering	100
48.	Three day “AutoCAD workshop- Hands-on- Training” by Mr. Anil Kumar, Assistant Professor, CCET, Chandigarh, India	17-19 April 2025	Civil Engineering	32
49.	Two Day Workshop on “MIDAS Civil” software by Akshay Subhash Magar, Sr. Technical Engineer, MIDAS R&D Center India.	02-03 May 2025	Civil Engineering	35
50.	World Water Day organized on April 02, 2025.	April 02, 2025.	Civil Engineering	60

EXTENTION LECTURES ORGANISED IN THE UNIVERSITY

S. N	Name & Institutional details of the Experts	Title of Lectures	Date	Host Department	No. of Participants/ beneficiaries
1.	प्रो. यशवीर सिंह, श्रीलालबहादुरशास्त्री राष्ट्रीय संस्कृत- विश्वविद्यालय, नई दिल्ली	प्राचीनभारतीयसंस्कृ ते: वर्तमान समये उपादेयता	2025-03-25	संस्कृत	21
2.	Dr. Ravinder Kumar, University of Colorado Boulder, USA	Career Opportunities & Recent Developments in Cellular and Development Biology Career Opportunities & Recent Developments in Cellular and Development Biology	2025-03-21	Department of Biochemistry	79
3.	Sh.Prabhaker Kumar Verma, Principal Advisor to Chairperson, Haryana Pond & Waste Water Management Authority, Panchkula and Mr. Rajeev Kumar, Senior Manager, Global Projects and APAC Region at GE Vernova.	Two expert lectures were conducted by invited speakers	2025-03-21	Science, Technology, Engineering & Mathematics (STEM) Cell, and Department of Environmental Studies, Central University of Haryana (CUH)	84
4.	Prof. Manoj Kumar, University of Allahabad, U.P.	Expert Lecture on Fusion of Artificial Intelligence and Literary Creativity	2025-03-21	Department of English and Foreign Languages	36
5.	डॉ. रवि प्रभात, सहायक आचार्य, संस्कृत, पालि एवं प्राकृत विभाग, म.द.वि. रोहतक	भारतीयज्ञानपरम्परा या: अवधारणा	2025-03-20	संस्कृत	70
6.	Dr. Suresh Chandra Sukl, Chief Editor, Speil Darpan, Norway	Overseas literature and Hindi	2025-02-19	Department of Hindi	40

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7.	Dr. Geeta Ram Nautiyal, Senior Scientist at Cellinfinity Bio, USA	Conversion of a Pathogenicity Island to an Agent of Antibacterial Therapy (Abhyudaya: An international lecture series to promote Biotechnology research for Viksit Bharat@2047)	2025-02-19	Department of Biotechnology	95
8.	डॉ. चित्रेश सोनी, सहायक आचार्य, IGNOU, NEW DELHI	महर्षि अगस्त्य का भारतीय वैज्ञानिक परम्परा में योगदान	2025-01-30	संस्कृत	51
9.	Dr. Siddhartha Pratapa, Department of English, School of Humanities and Applied Sciences, GLA University, Mathura (U.P.)	Expert Lecture on Research, Method and Inquiry in Literary Studies	2025-01-24	Department of English and Foreign Languages	30
10.	Prof. Ritu Sapra, University of Delhi	Expert Lecture on "Publication Ethics"	2024-12-27	Department of Commerce	80
11.	Dr. Humira Sonah Department of Biotechnology, Central University of Haryana (CUH	Hands-on training program for students of Government Senior Secondary School, Akoda	2024-12-18	Science, Technology, Engineering & Mathematics (STEM) Cell, and Department of Biotechnology	50
12.	1. Prof Kamaljeet Singh, Vice- Chancellor, Madhusudan Law University, Cuttack 2. Professor Satish Kumar, IGNOU Delhi 3. Dr. Priyanka Jha, BHU Varanasi 4. Dr. Aneesh V. Pillai, CUSAT Chennai	Constitution Day Celebration "Hamara Sanvidhan Hamara Swabhimaan" And Expert Talk	2024-11-26	Department of Law, DSW and District Administration, Mahendragarh	250
13.	Mr. Veibhav, Surangehead of Akhil Bhartiya Yuva Pramukh	Shree Birsa Munda	2024-11-25	DSW	28
14.	Sh. Jitendra Kumar, Head HR & IR, OJI India Packaging Pvt. Ltd., Neemrana, Alwar, Rajasthan 2Sh. Ravish Mittal, Deputy Manager, Maintenance, OJI India Packaging Pvt. Ltd., Neemrana, Alwar, Rajasthan	Advancements in Corrugated Boards Packaging	2024-10-24	Department of Printing and Packaging Technology	58

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15.	Professor Suneel Kuma, Shaheed Bhagat Singh College University of Delhi	Fundamentals of Financial Management	2024-10-23	Department of Commerce	63
16.	Prof. J.K. Goswami, UIET, Punjab University	A journey into the Nano World	2024-10-14	Department of Physics and Astrophysics	80
17.	Dr. Shobhna Jeet Aassociate Professor) K.R. Mangalam University	New Criminal Laws	2024-09-30	Department of Law	80
18.	Dr. Sanjay Sen Gupta, Ex. Sr. Principal Scientist, NISCAIR, CSIR	Extended Lecture on Climate Change	2024-09-25	Department of Environmental Studies	31
19.	International Level Poets/ Poetess 1. Pankaj Prasun, Lucknow 2. Maan Bardhan Kanth, Akurdi, Pune 3. Yeshpal Singh, Mumbai 4. Madhu Mishra, Noida 5. Suresh Neerav, Noida 6. Dr. Ritu Bala, CUH	Vigyanika (Popularizing Sciences through Poetry): कविता के संग भारतीय ज्ञान परम्परा में ज्ञान के रंग	23-09-2024	VEGSHRI Cell (Vedic Ganit Shodh Riti Prakoshth)	97
20.	Prof. M. Lakshmanan, (Vigyan Shree & Shanti Swarup Bhatnagar Awardee), Professor of Eminence & DST-SERB National Science	Basics of Nonlinear Dynamics	2024-09-04	Department of Mathematics	100
21.	प्रो. बलवीर आचार्य, संस्कृत, पालि एवं प्राकृत विभाग, म.द.वि. रोहतक	वैदिक साहित्ये राजनीतिकसिद्धान्ताः	2024-08-14	संस्कृत	36
22.	प्रो. सुनीता तंवर, प्रबन्धन विभाग, ह.के.वि. महेन्द्रगढ़	एंटी रैगिंग प्रेक्टिसिज	2024-08-13	संस्कृत	14
23.	Prof. Aswini Kumar Nanda, Head Department of Economics, Central University of Jammu	Decoding Union Budget 2024	2024-07-26	Department of Economics	30

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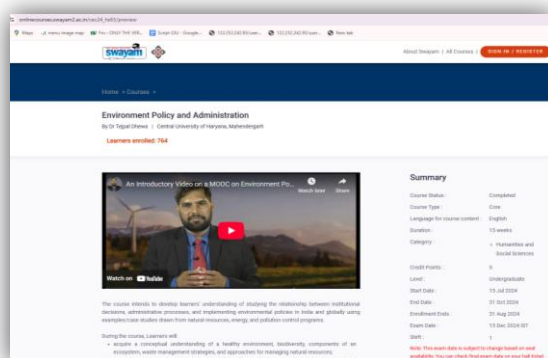
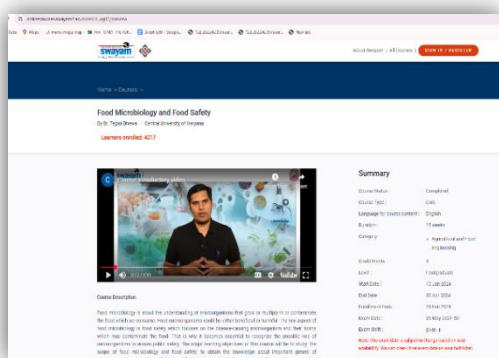
24.	(1) Dr. Sanjay Kumar, Associate Professor, Department of Psychology, University of Allahabad, Prayagraj, UP (2) Tanya Sharma Research Scholar, Department of Psychology, CUH (3) Dr. Ravi Pratap Pandey, Assistant Professor, Department of Psychology Central University of Haryana, Mahendergarh (4) Dr. Vishnu N. Kucheriya, Assistant Professor Department of Psychology CUH	"Breaking the Silence: Destigmatising Mental Health among University Students"	2024-07-25	Department of Psychology	57
25.	Prof. Kuldeep Chand Agnihotri, Former VC CU Himachal	सप्तसिंधु क्षेत्र में हिंदी भाषा का महत्व	2024-07-22	Department of Hindi	37
26.	Prof. Navin Kumar, University of Delhi; Prof. Ritu Sharma, Indira Gandhi National Open University; Ajay Pal Singh, Central University of Haryana	Importance of Yoga for Persons with Disabilities	2024-06-21	Department of Psychology	34
27.	Dr. Amlan Basu, University of Strathclyde, Glasgow, U.K.	The development of AI and its contemporary applications	2024-06-14	Department of Computer Sciences and Information Technology	56
28.	Dr. Kheraj, Assistant Professor, CUH	Expert Lecture On World Environment Day: Approach To Vasudhaiva Kutumbakam	2024-06-05	NCC	15
29.	Dr. Vipin Kumar Parihar, Associate Professor and Dean, National Institute of Pharmaceutical Education and Research (NIPER),	Expert Lecture on Developing Pharmacological and Dietary Interventions Promoting Brain Health	2024-05-10	Department of Pharmaceutical Sciences	30
30.	डॉ. इन्दुबाला, शिक्षा विभाग, ह.के.वि. महेन्द्रगढ़	विकसित भारत में महिलाओं की भूमिका	2024-04-25	संस्कृत	35
31.	Dr. Saurab Dhiman, South Dakota University of Mines and Technology	Expert Lecture on Microbial Biofilms for Biotransformation Reactions	2024-04-25	Department of Nutrition Biology	113

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32.	Lt. Col. S. Venkatraman, COD Jabalpur	Expert Lecture on OPPORTUNITIES FOR YOUNG LEADERS IN ARMED FORCES	2024-04-24	NCC	44
33.	Mr. Anees Poovaathi, CEO, AIFER Education, Kerala, India	UGC NET paper 1 Orientation Programme	2024-04-22	Department of Psychology	200
34.	Prof. Peter Comba, Heidelberg University	Bio-inspired nonheme iron oxygen activation	2024-04-17	Department of Chemistry	118
35.	Dr. Palanisamy Sivanandy, International Medical University, Kuala Lumpur Malaysia	Expert talk on “Pharmacovigilanc e, ADR and Patient Safety”	2024-04-06	Department of Pharmaceutical Sciences	28

MOOC COURSES DEVELOPED BY THE UNIVERSITY

The Central University of Haryana Faculty has developed the Massive Open Online Courses on **Food Microbiology and Food Safety (FMFS)** and **Environment Policy and Administration (EPA)** (<https://swayam.gov.in/>), and successfully hosted on SWAYAM Portal of Ministry of Education (Formerly MHRD) and Based on the quality of course content, the MoE and UGC had selected FMFS for Translation & Subtitling in 08 different Indian Languages and available on UGC e-resource portal. In FMFS, during January-June, 2024 and January-June, 2025 Semesters, a total 6409 learners; and in EPA, July- December, 2024 Semester-with an enrolment of 764 learners across India, were enrolled from various universities, institutes and industries and the term end examinations were conducted by National Testing Agency (NTA). The credits earned through this SWAYAM MOOC were successfully transferred to more than 50 universities/institutes students according to *UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016/2021*.



CELLS/ CLUBS/SOCIETIES OF THE UNIVERSITY

S.N.	Name of the Existing Club	Nature of Activities	Proposed Coordinator/ Convener
1.	Green Campus Clean Campus Club (GC4)	Create awareness among students and public about various environment related problems and conservation of Nature and natural resources in the surrounding area and educating on how to live Eco-friendly.	Prof. Surender Singh
2.	Literary and Book Reading Club	To orient the students towards developing the hobby of reading books.	Prof. Bir Pal Singh Yadav
3.	Cell for the Persons with Disabilities	To enable the students with disabilities to overcome the challenges and to provide them required support for their growth.	Dr. Dharam Pal Singh Punia
4.	Ek Bharat Shresth Bharat (EKSB)	To celebrate the unity in diversity of our nation and to maintain and strengthen the fabric of traditionally existing emotional bonds between the people of our country.	Dr. Rajendra Prasad Meena
5.	Drug Eradication Cell	To spread awareness to ensure a drug/substance free campus.	Dr. Dinesh Kumar
6.	Centre for Community Development and UBA	To coordinate the social outreach initiatives of the University and to organize the events in tune with the requirements of Unnat Bharat Abhiyan.	Prof. Parmod Kumar
7.	Group for the Promotion of Art, Culture and Heritage	Promotion and coordination of cultural activities to motivate the students for their active participation in artistic, theatrical, cinematic and aesthetic activities.	Dr. Arti Yadav
8.	National Service Scheme (NSS)	Coordination of activities specified under National Service Scheme (NSS).	Dr. Pradeep Kumar
9.	OBC Cell	To address the grievances of students belonging to OBC category and necessary initiatives for the same.	Dr. Tejpal Dhewa
10.	SC/ST Cell	To address the grievances of students belonging to SC/ST category and necessary initiatives for the same.	Dr. Antresh Kumar
11.	Science, Technology, Engineering and Mathematics (STEM)	To promote the disciplines relating to Science, Technology, Engineering and Maths, and organizing the events for the promotion of Science and Technology.	Prof. Rajesh Kumar Gupta
12.	Women Empowerment Cell	Planning, coordinating and organising the activities for gender sensitization and women empowerment.	Dr. Renu Yadav (Teacher Education)
13.	Adventure and Trekking Club	Planning and organizing the activities for promotion of Yoga and other related activities.	Dr. Vikash Siwach
14.	Youth Red Cross	Coordination of activities specified under Youth Red Cross (YRC).	Prof. Dinesh Chahal
15.	Music Club	Develop musical skills in students.	Prof. Sunita Srivastava
16.	Movie Club	Create awareness of the social, cultural and economic problems of the global society and to provide the students a platform to express appreciate and discuss their ideas related to the theme of the movie, which is related to current global scenario.	Dr. Ashok Kumar
17.	Promotion of Sustainable Materials	Promote systematic approach to using and reusing materials.	Prof. Harish Kumar
18.	Meditation Club	To help students improve their mindfulness and well-being through meditation.	Prof. Anand Sharma

ACTIVITIES ORGANISED BY THE VARIOUS CELLS, CLUBS AND SOCIETIES OF THE UNIVERSITY

S.N	Title of Activity	Date	No. of Participants/Beneficiaries
1.	Seminar on Skill Development, Employability, and Interview Preparation	2025-03-19	477
2.	Documentary Screening to Commemorate on International Women's Day	2025-03-07	24
3.	Resume Building and Interview Skills	2025-02-12	129
4.	Celebration of National Mathematics Day	2025-04 to 05-02	120
5.	National Girl Child Day 2025	2025-01-24	107
6.	Shree Birsa Munda	2024-11-25	28
7.	Way to achieve career goals	2024-11-25	80
8.	Musical Talent Hunt Competition	2024-11-13	24
9.	International Day of the Girl Child	2024-10-11	130
10.	“स्वच्छता की भागीदारी”	2024-09-25	33
11.	Swachhata Hi Seva-2024	2024-09-23	58
12.	विज्ञानिका - कवि सम्मेलन: कविता के संग 'भारतीय ज्ञान परम्परा में विज्ञान' के रंग	2024-09-23	89
13.	VALEDICTORY SESSION OF STUDENTS' INDUCTION PROGRAM 2024	2024-09-20	50
14.	Web Development	2024-09-20	50
15.	Internal Smart India Hackathon: A Gateway to Smart India Hackathon-2024	2024-09-17	198
16.	हिन्दी पखवाड़ा 2024	2024-09-14	1800
17.	DBMS Classes	2024-08-30	60
18.	YUVAMANTHAN 2024	2024-08-29	72
19.	Flag Off rally	2024-08-13	200
20.	Anti Ragging Day & Anti Ragging Week	2024-08-12	200
21.	Bharat@2047	2024-08-08	50
22.	Music Drama, Light and Sound Message against Drugs (Ram Gurukul Gaman)	2024-07-30	163
23.	कारगिल विजय दिवस की 25वीं वर्षगांठ	2024-07-26	14

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24.	Refresher Course in Science and Engineering	2024-06-14	55
25.	Debate Competition On Protecting Marine Biodiversity	2024-06-08	13
26.	Expert Lecture On World Environment Day: Approach To Vasudhaiva Kutumbakam	2024-06-05	15
27.	9th UGC sponsored 'NEP Orientation & Sensitisation Programme'	2024-06-03	135
28.	Yoga and Mediation sessions	2024-05-07	100
29.	Training Program on Self-Defence and Cybercrime	2024-05-03	67
30.	Alumni Meet-2024	2024-04-27	129
31.	हिन्दी कार्यशाला राजभाषा हिंदी का कार्यान्वयन और विकास	2024-04-25	22
32.	Expert Lecture on Opportunities for Young Leaders in Armed Forces	2024-04-24	44
33.	Placement Drive for M.C.A, M.Sc.(Data Science) & B.Tech.(CSE) (Final year 2022-24 batch) by Sequentum India Pvt. Ltd.	2024-04-18	137
34.	Amazing Idea Monetization (AIM)	2024-04-17	57
35.	Ambedkar Jayanti Celebration	2024-04-14	55
36.	Free Health Checkup Camp at University Health Centre in collaboration with NSS, CUH and Chirayu Hospital Mahendergarh featuring three specialist Doctors in Pediatrics, Gynecology and Physiotherapy	2024-04-12	74
37.	Debate competition on the topic “Naye Bharat Ko Salam”	2024-04-01	14

**CAPACITY BUILDING PROGRAMMES/FACULTY
DEVELOPMENT PROGRAMMES/REFRESHER
COURSES/ORIENTATION PROGRAMMES ORGANISED BY
THE DIFFERENT DEPARTMENTS/CELLS/CLUBS/SOCIETIES**

Sr. No.	Title of activity	Date	Host Department/Cells/ Clubs/Centres/ Societies etc.	Total No. of participants/ beneficiaries
1.	Faculty Induction Programme (Online)	02/01/2025 – 29/01/2025	MMTTC	58
2.	Short Term Programme on MOOC Development	28/11/2024 – 04/12/2024	MMTTC	98
3.	Short Term Programme on Quantitative Research Methodology (Offline)	13/01/2025 – 18/01/2025	MMTTC	30
4.	Short Term Programme on Leadership Development (Online)	13/02/2025 – 19/02/2025	MMTTC	82
5.	Short Term Programme on Skill Development (Online)	03/03/2025 – 08/03/2025	MMTTC	64
6.	Refresher course in Social sciences and Humanities	05/06/2024 – 19/06/2024	MMTTC	99
7.	Refresher course in Science/Engineering	14/06/2024 – 28/06/2024	MMTTC	82
8.	Refresher Course in Interdisciplinary Life Sciences	25/11/2024 – 07/12/2024	MMTTC	58
9.	Refresher Course on Artificial in Higher Education	09/12/2024 – 21/12/2024	MMTTC	168
10.	NEP Orientation and Sensitization Programme	04/03/2024 – 13/03/2024	MMTTC	65
11.	NEP Orientation and Sensitization Programme	06/05/2024 – 15/05/2024	MMTTC	64
12.	NEP Orientation and Sensitization Programme	13/05/2024 – 22/05/2024	MMTTC	90
13.	NEP Orientation and Sensitization Programme	03/06/2024 – 12/06/2024	MMTTC	93

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14.	NEP Orientation and Sensitization Programme	22/07/2024 – 31/07/2024	MMTTC	50
15.	Capacity Building Programme for Social Science Faculty Members	22/07/2024 – 03/08/2024	Department of Commerce	30
16.	NEP Orientation and Sensitization Programme	20/08/2024 – 30/08/2024	MMTTC	74
17.	Capacity Building Programme for Social Science Faculty Members	14/10/2024 – 25/10/2024	Department of Physical Education and Sports	30
18.	NEP Orientation and Sensitization Programme	14/10/2024 – 22/10/2024	MMTTC	55
19.	NEP Orientation and Sensitization Programme	20/11/2024 – 29/11/2024	MMTTC	60
20.	NEP Orientation and Sensitization Programme	16/12/2024 – 24/12/2024	MMTTC	54
21.	Capacity Building Programme for Social Science Faculty Members	23/12/2024 – 04/01/2025	Department of Psychology	30
22.	NEP Orientation and Sensitization Programme	06/01/2025 – 15/01/2025	MMTTC	120
23.	NEP Orientation and Sensitization Programme	20/01/2025 – 29/01/2025	MMTTC	103
24.	NEP Orientation and Sensitization Programme	03/02/2025 – 12/02/2025	MMTTC	79
25.	NEP Orientation and Sensitization Programme	17/02/2025 – 26/02/2025	MMTTC	49
26.	NEP Orientation and Sensitization Programme	17/03/2025 – 26/03/2025	MMTTC	82
27.	Talent Hunt	13/11/2024	Music Club	50 approx.

VACANT POSITIONS AT THE UNIVERSITY

Statement of Teaching Positions															
No. of Sanctioned Posts															
	GEN		SC		ST		OBC		EWS		PWD		TOTAL		
Professor	17		3		2		7		2		2		33		
Associate Professor	31		9		4		18		4		3		69		
Assistant Professor	70		23		12		42		10		7		164		
Total	118		35		18		67		16		12		266		
No. of Filled-up Posts															
	GEN		SC		ST		OBC		EWS		PWD		TOTAL		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Professor	12	4	2	1	1	0	4	1	0	0	0	0	19	6	25
Associate Professor	25	6	6	0	1	1	5	2	0	0	1	0	38	9	47
Assistant Professor	37	23	16	4	8	3	27	12	7	1	6	1	101	44	145
Total	74	33	24	5	10	4	36	15	7	1	7	1	158	59	217
No. of Vacant Posts															
	GEN		SC		ST		OBC		EWS		PWD		TOTAL		
Professor	1		0		1		2		2		2		8		
Associate Professor	0		3		2		11		4		2		22		
Assistant Professor	10		3		1		3		2		0		19		
Total	11		6		4		16		8		4		49		