

Newsletter

January 2025



THE NORTHCAP UNIVERSITY

(For Internal Circulation only)

Department of Computer Science & Engineering

Expert session on “Quantum Computing in AI”

On 7th January, the Department of Computer Science and Engineering organised an expert session on ‘Quantum Computing in AI,’ attended by various faculty members from the departments of CSE and APS. The session was delivered by IBM expert, Dr. L. Venkata Subramaniam, who covered the fundamentals of quantum computing and its applications. Key topics included writing book chapters for the AICTE curriculum on Quantum Technologies, organizing Faculty Development Programs (FDPs) on Quantum Computing, establishing a Quantum Computing Research Lab with IBM, and launching a specialisation in Quantum Computing in AI in the Department of CSE. The session emphasised faculty upskilling, interdisciplinary collaboration, and infrastructure development to support quantum computing education and research. The session was coordinated by Dr. Shaveta Arora, Dr. Tamalika Chandra, Dr. Shraddha, and Ms. Sneha Kandacharam.



Panel Discussions organised by Udaan Club

On 23rd January, the Udaan Club organised panel discussions titled ‘Climate Change: Addressing the Global Challenges Together’ and ‘India’s Role: Shaping a Sustainable and Brighter Tomorrow’ to raise awareness about climate challenges and India’s leadership in sustainable development. The event featured insightful discussions on the global impact of climate change,

India’s advancements in renewable energy, and practical strategies for individuals and communities. Engaging Q&A sessions and counter-questions from judges ensured a robust debate, exploring the feasibility of solutions and the balance between economic growth and environmental conservation. The discussion fostered collaboration, innovative thinking, and actionable steps toward a more sustainable future. The event was coordinated by students, Siya Yadav, Chesta Chauhan and Priyam, under the guidance of faculty coordinators, Ms. Akanksha Kaushik and Ms. Bhawana Sharma.



Orientation Session on Job Placements

On 22nd January, The NorthCap University hosted an insightful orientation session, ‘Empowering Your Placement Journey: The NorthCap University’s Preplnsta Initiative,’ in collaboration with Preplnsta, powered by Adda247. Conducted by Mr. Atulya Kaushik (Co-Founder, Preplnsta and a Forbes 30 Under 30 Awardee), the session equipped third-year students of BTech (CSE) with essential skills for excelling in campus placements, covering aptitude tests, coding practice, technical interviews, and HR strategies. Organised by Dr. Prerna Singhal and Dr. Pankaj Rakheja in collaboration with the Centre of Professional Attachment And Alumni Engagement (CPAA) Office, the event saw enthusiastic participation. Mr. Kaushik also shared motivational insights, inspiring students to take a proactive approach to career success. The session was highly interactive and well-received, marking a significant milestone in students’ placement readiness.



Workshop on the Potential of the Gaming Industry

The Department of Computer Science and Engineering (CSE) successfully organised 'GameForge - SkillSync Workshop: Unlocking the Potential of the Gaming Industry' in collaboration with the Ministry of Information and Broadcasting (MIB), Confederation of Indian Industry (CII), ICT Academy, and Indian Digital Gaming Society (IDGS). The workshop aimed to strengthen industry-academia partnerships and foster innovation in digital gaming. Chief Guest Mr. Ashutosh Mohle (Joint Director, MIB), introduced the WAVES – Innovate2Educate initiative to support gaming education. Ms. Madhurima Maniyara (Manager, IDGS-CII), discussed the initiative's role in skill development. A panel discussion chaired by Mr. Abhinandan Pandey, (State Head – Delhi-NCR, ICT Academy), with industry experts emphasized industry-aligned education and workforce readiness. Mr. Vikas Tomar (Founder & CEO) and Mr. Rishendra Mishra (CEO, Omega Slayers), led sessions on gaming's impact beyond entertainment, concluding with an engaging ESports activity. Convened by Prof. Rita Chhikara with coordinators Dr. Poonam Chaudhary, Ms. Sneha Kandacharam, and Dr. Manvi Breja, the workshop successfully united industry leaders, academicians, and students to shape the future of digital gaming.



AWS Cloud Solutions Architect Upskilling Programme at Department of CSE

From 16th December 2024 to 7th January 2025, the Department of Computer Science and Engineering successfully organised the AWS Cloud Solutions Architect Upskilling Programme as part of the Finishing School for Employability under the Infosys Foundation, in collaboration with the ICT Academy. Chaired by Prof. Rita Chhikara (Head, Department of CSE), with Dr. Poonam Chaudhary as the Single Point of Contact (SPOC), the program was coordinated by Ms. Monika Yadav and Dr. Manvi Breja. A total of 63 final-year B.Tech students participated, gaining hands-on experience in AWS cloud solutions and preparing for AWS Cloud Practitioner certification. This initiative effectively bridges the gap between academic learning and industry expectations, significantly enhancing students' employability and placement readiness.



Department of Multidisciplinary Engineering

Lohri Celebration by the Department of Multidisciplinary Engineering

On 13th January, the Department of Multidisciplinary Engineering celebrated the vibrant festival of Lohri with great enthusiasm. The event, organised by Dr. Lokesh Choudhary and Dr. Mona Aggarwal, brought together faculty, technical staff, and other members from various departments. The celebration was filled with lively music and traditional dance, creating a joyful and festive atmosphere. Everyone joined hands to honour the spirit of Lohri, fostering a sense of togetherness and cultural pride. The event highlighted the significance of unity and festivity, leaving lasting memories for all participants.



Visit to Belimo Sensors India Pvt. Ltd.

On 14th January, the Department of Multidisciplinary Engineering organised a visit to Belimo India. Select students were accompanied by Dr. Akanksha Mathur and Dr. Anu Ton, from the department of MDE, who also conducted the visit. The objective of the visit was to provide students with insights into advanced sensor technologies and their role in making the HVAC industry more sustainable.

During the visit, students attended an engaging session led by Belimo's experts, where the company's innovative products were showcased. These products are designed to improve energy efficiency and promote sustainability within the HVAC industry. The session provided an in-depth understanding of the technologies behind temperature and humidity sensors and how they contribute to sustainable practices in real-world applications.

This interactive demonstration allowed students to connect their theoretical knowledge with practical insights, helping them appreciate the critical role of sensors in advancing HVAC technologies. The industrial visit proved to be an enriching experience for the students. The visit was organised by Dr. Akanksha Mathur, faculty advisor, ISHRAE NCU student chapter, with the support of ISHRAE Gurugram chapter.



SCHOOL OF LAW

Seminar on 'Constitutional Dialogues: Insights from Academia and the Judiciary'

On 24th January, the School of Law hosted an enriching seminar, 'Constitutional Dialogues: Insights from Academia and the Judiciary,' bringing together thought leaders to discuss the transformative power of the Indian Constitution as part of the 'Hamara Samvidhan, Hamara Swabhimaan' initiative, celebrating 75 years of the Indian Constitution. Prof. Manjula Batra shared valuable insights on the adaptability of constitutional principles, while Prof. Shaiwal Satyarthi (Professor, University of Delhi) emphasised distributive justice. Hon'ble Justice Manju Goel (Retd.) further highlighted the importance of balancing rights with duties. Together, their perspectives sparked meaningful conversations about our roles in upholding constitutional values. A powerful reading of the preamble left everyone inspired to champion justice, liberty, equality, and fraternity. The session, seamlessly coordinated by Dr. Unanza Gulzar and Ms. Kanika Kaushik, was a resounding success.



Movie Screening at School of Law

On 23rd January, the Constitution Club, led by Ms. Kanika Kaushik, organised a screening of the thought-provoking film Article 15 as part of the 'Hamara Samvidhan, Hamara Swabhimaan' initiative, celebrating 75 years of the Indian Constitution. The film addresses critical issues such as caste-based discrimination and social justice, highlighting the challenges in upholding constitutional rights. The screening provided students with a valuable opportunity to engage with the core principles of justice, equality, and human dignity enshrined in the Constitution. It sparked important discussions on the relevance of these ideals in contemporary society. This event continues the effort to deepen students' understanding of the constitution's significance in shaping India's legal and social landscape.

Seminar on 'Balancing Innovation Incentives and Market Competition: The Role of IPR in Anti-Competitive Practices'

The School of Law, in association with the Competition Commission of India (CCI), successfully organized a seminar titled 'Balancing Innovation Incentives and Market Competition: The Role of IPR in Anti-Competitive Practices' on 30th January. The seminar aimed to explore the delicate balance between fostering innovation through Intellectual Property Rights (IPR) and ensuring fair market competition. Shri Ved Prakash Mishra (Head and Adviser, Anti-Trust Division-1, CCI), and Dr. Isha Wadhwa (Faculty, University of Delhi), delivered insightful discussions on the interface between Competition Law and IPR, focusing on how intellectual property protections can sometimes be misused to create monopolistic market conditions. The seminar's key objectives included enhancing awareness among legal scholars and professionals about anti-competitive concerns in IPR enforcement, understanding global best practices, and analyzing the role of regulatory bodies like CCI in maintaining a competitive and innovation-driven economy. The event provided a platform for stimulating discussions, benefiting students, researchers, and faculty members alike. The event was coordinated by Dr. Unanza Gulzar.



Visit to NCW Event at Vigyan Bhawan

The School of Law proudly represented The Northcap University at the 33rd Foundation Day of the National Commission for Women, held at Vigyan Bhawan, Delhi, on the 31st January. The Chief Guest for the momentous occasion was Hon'ble Vice President Shri Jagdeep Dhankar. The Hon'ble Vice President began the event with lighting the lamp along with Dr. Smt Sudesh Dhankar. The Hon'ble Vice President emphasised on the revolutionary steps taken by NCW and also highlighted upon the crucial role to be played by the Commission in bringing about equal rights of women at par with men.

The event was graced by luminaries across all fields including Smt. Vijaya Rahatkar (Chairperson, NCW), Shri Anil Malik (Secretary, Ministry of Women and Child Development), Smt Savitri Thakur (Minister of State, Ministry of Women and Child Development), and Meenakshi Negi (Member Secretary, NCW).





Faculty Outreach, Upskilling and Achievements

- On 11 January, Dr. Poonam Chaudhary attended the GenAI Summit 2025, which brought together leading CEOs, scientists, and industry experts. The event featured thought-provoking discussions on the transformative impact of Artificial Intelligence on entrepreneurship, significant advancements in research, and the future trends in generative AI technologies.
- Dr. Meenakshi Bisla won the Best Paper Award at the MDI-INDAM Conference on Sustainability in December 2024, which is a significant achievement in her academic journey. This prestigious recognition highlights the quality and impact of the research paper, showcasing innovative research and contribution to the field of sustainability. The conference, jointly organised by Management Development Institute and Indian Academy of Management, brings together scholars, practitioners, and experts from various domains. The award is a testament to the paper's rigorous analysis, methodological precision, and its potential to drive new insights or solutions in management studies. It reflects the excellence and hard work invested in producing research that resonates with current academic and industry trends.
- On 17 January, Dr. Srishti and Dr. Poonam Chaudhary attended the Thought Leaders Conclave on AI and Cloud, organised by ICT Academy. The event, themed 'Transform Education & Research with AI,' highlighted emerging AI trends in Higher Education and Research (HER). Insights from NVIDIA showcased the evolving HER landscape, while participants were introduced to Shakti Cloud AI Labs, featuring the infrastructure, unique benefits, and cost-effective solutions provided by Yotta and Shakti Cloud for AI labs. The workshop included hands-on demonstrations, offering practical experience in addressing real-world HER challenges.
- On 21 January, Dr. Poonam Chaudhary delivered an insightful session on 'Integrating AI into Hybrid Learning Environments for More Engaging and Flexible Instructions' during the one-week online National Faculty Development Programme (FDP) titled 'Reinventing Pedagogy in the Age of AI: Methods, Approaches, and Perspectives.' The FDP was organised by Maitreyi College, University of Delhi, in collaboration with UGC-MMTTC, Sri Guru Tegh Bahadur Khalsa College, and brought together educators from across the country.
- On 13th December 2024, Prof. Rita Chhikara participated in a one-day women leadership programme titled 'Women Leaders: Shaping Academic Excellence for Viksit Bharat @2047,' organised by the University Grants Commission. The programme was held at Dogra Hall, IIT Delhi, and focused on empowering women leaders to drive academic excellence and contribute to the vision of a developed India by 2047.
- On 28th December 2024, Dr. Monika Lamba, Dr. Shraddha Arora, and Dr. Nishu were conferred with the prestigious Wegrow India Best Research Excellence Award 2024 at the International Innovation Research Conclave 2024. This achievement not only underscores their dedication to expanding the boundaries of knowledge but also enhances their reputation as distinguished scholars and researchers.
- In the month of January, Dr. Srishti served as a reviewer for two prestigious SCI/SCI-E journals published by Springer Nature: Language Resources and Evaluation and Scientific Reports. Her contributions demonstrate a strong commitment to enhancing research quality and promoting academic excellence in the field of computer science.
- On 9th January, Dr. Meghna Sharma and Dr. Prachi attended the Vth CyberComm at FICCI Federation House, New Delhi, organised in partnership with the Ministry of Electronics & IT, Govt. of India, and the Department of Telecommunications, Ministry of Communications, Govt. of India. The event, themed 'Building Cyber Resilience for a Viksit Bharat,' focused on strategies for securing digital infrastructure, evolving cyber laws, and fostering industry-academia collaborations.
- On 9th December, 2024, Dr. Meghna Sharma, Dr. Srishti, and Dr. Poonam Chaudhary attended an AI Immersion Workshop organised by CII & HP Centre for AI at the CII Office, Gurugram. As a part of the workshop, they successfully completed a certification programme titled 'Empowering Businesses to Harness the Power of AI,' offered by UpGrad. The workshop provided valuable insights into AI-driven business transformation, equipping participants with essential knowledge and practical applications of artificial intelligence in various domains.
- From 2nd to 7th December, 2024, Dr. Shaveta successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Programme on 'Recent Trends in Deep Learning & Large Language Models' at Delhi Technical Campus.
- From 9th to 14th December, 2024, Dr. Poonam Chaudhary, Dr. Shraddha Arora, and Dr. Monika Lamba, successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Programme on 'Cross-Modality Innovation: Generative AI in Language, Image Intelligence, and Medical Advancements' at Bharati Vidyapeeth's College of Engineering, New Delhi.
- From 9th December to 14th December 2024, Dr. Neeti Kashyap, Assistant Professor at The NorthCap University, successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Development Programme on 'High Performance Computing for Medical Image Processing and Computer Vision' at MNNIT Allahabad.
- From 16th December to 21st December 2024, Dr. Monika Lamba, Assistant Professor at The NorthCap University, successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Programme on 'Quantum Computing – Research Perspective in Healthcare Applications' conducted by P.S.R. Engineering College.
- From 23rd December to 28th December 2024, Dr. Monika Lamba successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Programme on 'The Future of Quantum Computing and High-Performance Computing (HPC)' organized by P.S.V. College of Engineering and Technology.
- Dr. Archana Sarma, Professor & Head, School of Law was invited as Resource Person and Content Writer for the Online Certificate Course on 'Regulatory Frameworks for Privacy, Data Protection, Cybersecurity and Emerging Technologies' organised by the National Law University Delhi for the officials of National E-Governance Division (NeGD), Ministry of Electronics & Information Technology, Government of India during December 2024 – January 2025.
- On 22nd January, Dr. Rituparna Bhattacharjee, along with Ms. Deborisha Dutta, attended a session organised by the District Legal Services

Authority (DLSA), Gurugram, as part of Campaign Shakti – an initiative aimed at raising awareness and empowering voices against child marriage.

- On 18th and 25th January, Dr. Madhuri Kharat was invited as a Guest Speaker for the course titled 'Effective Research and Legal Writing Skills For Law and Policy Professionals' conducted by Adhyayan Foundation for Policy and Research, Lucknow.
- Dr. Madhuri Kharat was invited as a Junior Coach on 11th and 12th January for mediation training programme conducted by YCM Dispute Resolution.
- From 16th December, 2024 to 14th January, 2025, Dr. Madhuri Kharat completed the online GURU DAKSHTA Faculty Induction Programme under Malaviya Mission Teacher Programme (MM-TTP) of University Grants Commission (UGC) organised by MM-TTC - Ramanujan College, University of Delhi.
- From 6th to 18th January, Ms. Kanika Kaushik and Ms. Himani Ahlawat completed the UGC-approved Refresher Course on 'Achieving Sustainable Development Goals in Higher Education Challenges and Advances' organised by UGC- Malaviya Mission Teacher Training Centre (MMTTC) National Institute of Educational Planning and Administration (NIEPA), New Delhi & Apeejay Satya University, Gurugram.

Community Service

- On 29th and 30th January, Club Aashayen organised a **Winter Clothes Donation Drive** in the university premises. The initiative witnessed enthusiastic participation from students who generously contributed a variety of warm clothes. Collection boxes were placed at the designated locations. The donated clothes were carefully sorted, packed, and distributed to shelters and NGOs working for the welfare of the needy. The overwhelming response and support received from the student community demonstrated the power of collective action in making a difference in society.



- On 23 January, The NorthCap University's Unnat Bharat Abhiyan (UBA) Cell organised a thought-provoking essay competition, encouraging students to propose innovative solutions for a drug-free campus. Participants showcased creative strategies and actionable plans, fostering a conscious and addiction-free environment. The event was coordinated by Ms. Jyoti Yadav and Ms. Preeti Yadav under the mentorship of Ms. Akanksha Kaushik.

International Relations Office

NEXUS 2025 at The NorthCap University

On 17th January, The NorthCap University (NCU) hosted NEXUS 2025, organised by the International Relations Office at NCU, to connect school students with global academic opportunities. The event featured an inaugural presentation on NCU's vision and the role of IRO in creating international academic pathways. Students interacted with representatives from partner universities, exploring various academic programmes, scholarships, and exchange opportunities. A campus tour showcased NCU's state-of-the-art facilities, offering attendees a glimpse into the vibrant academic environment. The event successfully inspired students, providing them with valuable insights into shaping their academic futures through NCU's global partnerships.

Expert Lecture by a delegate from Queen Mary University of London

The International Relations Office (IRO), NCU, organised an insightful session titled 'The WTO and Trade Agreements in Uncertain Times,' delivered by Dr. Kamala Dawar (Associate Professor, Queen Mary University of London, UK). The lecture covered key aspects of the World Trade Organisation, including its role in global trade regulation, dispute resolution mechanisms, and the evolving nature of trade agreements amid geopolitical uncertainties.

Students and faculty members from the School of Law (SOL) attended the session, which was highly engaging. The interactive Q&A segment allowed students and faculty to discuss the practical implications of WTO policies in depth.

Following the session, a meeting was held with Dr. Kamala Dawar, where Prof. Sharda Vashisth, Dr. Pooja Sabherwal, Dr. Unanza Gulzar, and Dr. Tapobrata Prakash explored opportunities for students of The School of Law, including LLM programmes and potential pathways such as 3+2 and 5+1 study models.





From the Psychologist's Desk...

The Role of Physical Activity on Mental Wellbeing

In today's demanding world, mental well-being is just as crucial as physical health. Yet, many of us overlook one of the simplest and most effective ways to improve our mental state i.e. physical activity. As a psychologist, I have seen firsthand how regular movement can transform not just bodies, but minds.

Exercise does more than just keep you in shape. It has profound effects on brain function and emotional resilience. Engaging in regular physical activity can:

- **Reduce Stress and Anxiety:** Exercise decreases stress hormones like cortisol and releases endorphins- nature's mood elevators.
- **Combat Depression:** Physical activity stimulates brain chemicals that foster the growth of new neural connections, helping to alleviate symptoms of depression.
- **Enhance Cognitive Function:** Regular exercise improves memory, concentration, and overall brain function, making it easier to focus on studies and work.
- **Improve Sleep Patterns:** Movement helps regulate sleep cycles, ensuring better rest and increased energy levels.

When we exercise, our brain releases neurotransmitters like dopamine and serotonin, which are directly linked to feelings of happiness and relaxation. Regular physical activity also increases blood flow to the brain, which can boost cognitive functions and reduce the risk of neurodegenerative diseases.

With the increasing reliance on screens for both study and work, it's easy to fall into a sedentary lifestyle. However, taking regular breaks to move around can help refresh your mind and boost productivity. Try setting reminders to stand up, stretch, or take short walks throughout the day.

By prioritizing movement, we take an essential step towards a healthier, happier mind.

Take care and stay active.

Ms. Priyanka Bhalla
Psychologist
The NorthCap University



Research, Development & Industry Liaison (RDIL)

Journal Publications

- Hukum Singh* (2025) 'Cryptanalysis of a Double-Image Symmetric Optical Cryptosystem Utilizing Devil's Vortex Fresnel Array and the Linear Canonical Transform', Journal of Modern Optics, Doi: <https://doi.org/10.1080/09500340.2024.2448577>, APS2025J0001.
- Hukum Singh* (2025) 'Cryptosystem Based on Devil's Vortex Fresnel Array and Fresnel Transform for Optical Double-Image Encryption', Journal of Optics, Doi: <https://doi.org/10.1007/s12596-024-02428-2>, APS2025J0002.
- Anisha and Rajni Rohila* (2024) 'Numerical Solutions and Conservation Laws for Nonlinear Evolution Equations', Zeitschrift für Naturforschung A (A Journal of Physical Sciences), Doi: <https://doi.org/10.52783/lnep.2024.692>, APS2025J0004.
- Parul Kaushik*, Hukum Singh and Ambika Devi (2024) 'Caloric Study of the Bulk Chalcogenide (Bi1Te15Se84-xPbx) Quaternary Alloy System', Radius: Journal of Science and Technology, Vol. 1, No. 1, pp. 1-11, APS2025J0005.
- Manoj and Aditya Sharma Ghrera* (2025) 'MXene/PEDOT: PSS Composite-Modified Electrode for Electrochemical Sensing of Bilirubin by Molecularly Imprinted Ortho-Phenylenediamine', Microchimica Acta, Vol. 192, No. 50, pp. 1-13, APS2025J0006.
- Tamalika Chaira* (2024) 'Edge Detection of Mammogram Images Using Pythagorean Fuzzy Set and Type 2 Fuzzy Set – An Innovative Approach', The Imaging Science Journal, Doi: <https://doi.org/10.1080/13682199.2024.2439730>, CSE2025J0001.
- Shilpa Mahajan*, Aryan Dahiya and Anuradha Dhull (2024) 'An Efficient Deep Learning Technique for Brain Abnormality Detection Using MRI', Inteligencia Artificial, Vol. 28, No. 75, pp. 81-100, CSE2025J0002.
- Deepika*, Meghna Sharma and Shaveta Arora (2024) 'Multimodality Model Investigating the Impact of Brain Atlases, Connectivity Measures, and Dimensionality Reduction Techniques on Attention Deficit Hyperactivity Disorder Diagnosis Using Resting State Functional Connectivity', Journal of Medical Imaging, Vol. 11, No. 6, pp. 064502 - 064528, CSE2025J0003.
- Aman Garg and Li Li* (2024) 'Influence of Speed of Soft Body Projectile on Damage in Bio-Inspired Helicoidal Laminates Using SPH-FEM Model', Mechanics of Advanced Materials and Structures, <https://doi.org/10.1080/15376494.2024.2443583>, MDE2025J0001.

- Aman Garg, Anshu Sharma, Weiguang Zheng and Li Li* (2024) 'A Review on Artificial Intelligence-Enabled Mechanical Analysis of 3D Printed and FEM-Modelled Auxetic Metamaterials', Virtual and Physical Prototyping, Vol. 20, No. 1, pp. 1-51, MDE2025J0002.
- Lilesh Gautam, Vaishali Sahu*, Robin Singh and Senthil Vadivel* (2024) 'Sustainable Solutions for Metro Project Delays: Lean Practices for Enhanced Resource Efficiency and Cleaner Production', Sustainability, Vol. 16, No. 24, pp. 10897-10910, MDE2025J0003.
- Ketan Atulkumar Ganatra*, Himadri Chattopadhyay and Akanksha Mathur (2024) 'Investigation of Free and Impinging Jets Using Generalized $k-\omega$ (GEKO) Turbulence Model', International Journal of Heat and Fluid Flow, Vol. 111, No. 109660, pp. 1-19, MDE2025J0004.
- Mohamed-Ouejdi Belarbi*, Soufiane Benounas, Li Li, Pham Van Vinh and Aman Garg (2025) 'Vibration of a Functionally Graded Doubly Curved Shallow Nanoshell: An Improved FSDT Model and its Nonlocal Finite Element Implement', Journal of Vibration Engineering and Technologies, Doi: <https://doi.org/10.1007/s42417-024-01733-1>, MDE2025J0005.
- Haewon Byeon, N. Shalom, Amaravadi Rama Krishna, Megala Rajendran, M. C. Priyadarshini, Anu Tonk and J. Sunil* (2024) 'Exploring the Harmful Textile and Pharmaceutical Industries Pollutant Degradation Mechanism and Biological Applications of MgO–SiO₂ Nanocomposite for Environmental Sustainability', Global Nest Journal, Vol. 27, No. 2, pp. 1-10, MDE2025J0006.
- Anu Tonk, Gobikrishnan U, Karthikeyan S*, Chirag S., Vishal S., Arvindhan N and Swathi S. (2025) 'Enhancing Power Conversion Efficiency of Polycrystalline Silicon Solar Cells Through ZnO/SiO₂/Al₂O₃ Anti-Reflective Coatings Via Spin Coating', Journal of Ovonic Research, Vol. 21, No. 1, pp. 75-84, MDE2025J0007.
- Sanskriti Gupta*, Pooja Sabherwal and Rekha Vig (2025) 'Advancing Neurodegenerative Disorder Diagnosis: A Multiclass Approach Utilizing Machine Learning on fMRI Data', Panamerican Mathematical Journal, Vol. 35, No. 3, pp. 94-109, MDE2025J0008.
- Chetan Sharma, Sunil Kumar, Shamneesh Sharma, Saumya Sharma and Eshaq Ahmad Omarkhail* (2024) 'Research Constituent, Intellectual Structure and Current Trends in Environmental Sustainability-An Analytical Retrospective', Discover Sustainability, Vol. 5, No. 1, pp. 1-25, MOC2025J0001.
- Mansi Yadav* and Priyanka Banerji (2024) 'Systematic literature review on Digital Financial Literacy', SN Business and Economics, Vol. 4, No. 11, pp. 1-25, MOC2025J0002.
- Raveena Gaba* and Deerga Sharma (2024) 'Examining the Impact of Sustainable Practices on Bank's Financial Performance', Journal of Information and Optimization Sciences, Vol. 45, No. 8, pp. 2443-2457, MOC2025J0003.
- Akanksha Tewari*, Aparna Mishra and Swati Saxena (2024) 'Psychological Well-Being and Coping Strategies Among Indian Private Bank Employees: A Thematic Analysis', South Eastern European Journal of Public Health, Vol. 25, No. 2, pp. 2691-2696, PSY2025J0001.
- Preeti Yadav and Chetna Tyagi* (2024) Linear and Nonlinear Optical Study of Se₈₂Te₁₅Bi_{1.0}Sn_{2.0} /PVP Nanocomposites for Photonic Applications', Letters in High Energy Physics, Vol. 2024, No. 2024, pp. 1045-1049, APS2025J0003.
- Akasha Sandhu* and Manpreet kaur (2024) 'Impact of Ownership Structure on Internet Based Reporting : A Study of BSE-500 Indian Companies', Journal of Information and Optimization Sciences, Vol. 45, No. 8, pp. 2407-2420, MOC2025J0004.

- Neha Jain* and Purnima Singh (2025) 'Counterproductive Work Behaviors: Mitigating the Challenges of Measurement in Indian Organizational Context', Journal of the Indian Academy of Applied Psychology, Vol. 51, No. 1, pp. 408-422, PSY2025J0002.

Book Publication

- Anju Bala, Vaishali Sahu*, Pali Sahu and Shubha Agarwal (2024) 'Urban Waste Water Management: Challenges and Solutions', pp. 349, Book Rivers, ISBN-978-93-6884-864-6, MDE2025B0001.

Book Chapters

- Shilpa Mahajan* (2024) 'An Irrigation System: Design, Implementation, and Benefits' in Smart Agritech: Robotics, AI, and Internet of Things (IoT) in Agriculture, chapter 11, pp. 309-328, John Wiley, ISBN-978-1-39430-295-6, CSE2025BC0001
- Jiveta Chaudhary Grover* and Shilpa Sindhu (2024) 'VUCA Leadership Strategies and COVID-19' in VUCA and Other Analytics in Business Resilience, Part A, chapter 4, pp. 77-99, Emerald Publishing Limited, ISBN-978-1-83753-903-1, MOC2025BC0001
- Richa Sharma* and Shrutimita Mehta (2024) 'A Trip Down the Memory Lane: A Sneak Peek into the Nostalgic Sentiments of Vassanji's Karsan Dargawala' in Language, Literature, Culture and Cinema: Essays in Honour of Professor Harish Narang, chapter 20, pp. 272-279, Aakar, ISBN-978-93-5002-891-1, CLL2025BC0001

Conference Proceedings

- Sudharshini Vasan* and Nimit Gupta (2021) 'Applications of POEM Marketing', Second International Conference on Resilience for Sustainability: Revisiting Management Practices and Strategizing for the Future, pp. 272, MOC2025P0001.

Conference Presentations

- Manya Bhola and Shrutimita Mehta (2024) 'Marginalization and Social Exclusion in Revathi's Autobiography, The Truth About Me', Beyond the Canon: Emerging Womanhood in English Literature, Bon Secours College for women, Thanjavur, CLL2025C0001.
- Aakriti Khanna and Anjali Garg (2025) 'Voltage Sag Ride Analysis for Grid Connected PV System', 2025 International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, Gautam Buddha University, Greater Noida, MDE2025C0001.
- Sudharshini Vasan, Akshat Aditya Rao and Nimit Gupa (2023) 'Can Paid, Owned, and Earned Media Make Luxury More Accessible?', International Conference on Sustainability, Technology, Resilience, Innovation, Development, and Entrepreneurship (STRIDE 2023), The NorthCap University, School of Management & Liberal Studies, Gurugram, MOC2025C0001.
- Meenakshi Bisla (2024) 'Responsible Leadership and Sustainability: Is Organizational Citizenship Behaviour Towards Environment is the Missing Link?', Doctoral and Early Career Academics Colloquium and Conference, Management Development Institute, Gurugram, MOC2025C0002.

Note: * for Corresponding Author

Outreach Activities of Prof. Prem Vrat, Pro-Chancellor, Professor of Eminence and Chief Mentor



Prof. Prem Vrat
Pro-Chancellor,
Professor of Eminence
& Chief Mentor

- On 9th January, Prof. Prem Vrat was invited to MDI, Murshidabad as Chief Guest in the inaugural ceremony of the International Conference on 'Changing Business Paradigm'. During the conference, Prof. Vrat delivered a lecture on 'Integrating Sustainability, Technology and Research for Value-Creation.'
- On 30th January, Prof. Prem Vrat was invited as Chief Guest at the inaugural ceremony of the National Symposium on 'Empowering Faculty: Advancing Excellence for NextGen Education' organised by Sharda University. During the programme, Prof. Vrat delivered a lecture on the theme of 'National Credit Framework.'
- Prof. Prem Vrat delivered various lectures on SCM at IIT Delhi as Honorary Professor in the month of January 2025.

Outreach Activities of Prof. Nupur Prakash, Hon'ble Vice Chancellor



Prof. Nupur Prakash
Vice Chancellor

- Prof. Nupur Prakash attended an outreach programme in Coimbatore, Tamil Nadu, on 13th and 14th January 2025 as part of a peer team visit. Serving as the Chairperson of the National Assessment and Accreditation Council (NAAC) peer team, she led the assessment and accreditation process for the university. The NAAC peer team, constituted in Tamil Nadu, conducted a comprehensive evaluation based on ten qualitative parameters. Following the assessment, Prof. Nupur Prakash submitted the peer team report on the NAAC assessor portal before the exit meeting.

Published by: Editorial Cell, The NorthCap University, Gurugram
Tel.: +91-124-2365811 to 12 | Email: registrar@ncuindia.edu

© The NorthCap University. All rights reserved.

Information contained in this brochure is updated at the time of publishing and is subject to change in line with university policies, academic upgradations and government regulations. Errors and Omissions Excepted (E & OC).