

# Newsletter

August 2024



## THE NORTHCAP UNIVERSITY

(For Internal Circulation only)

### The NorthCap University's Induction Programme for its Newest Cohort!

The NorthCap University welcomes its incoming batch of students with its Induction-cum Orientation Programme, which holds significant importance for both the students and the university. The program introduces the university's policies, culture, and values, while aligning the students with the institution's mission and fostering a sense of belonging and community.

This 4-week-long programme serves as a crucial introduction to the academic environment, helping the students transition smoothly into their new roles as learners. It provides an opportunity to familiarize themselves with the organization's culture, values, and expectations. This initiative plays a crucial role in fostering academic success and personal growth, while also ensuring students feel supported and motivated right from the start.



The Induction Programme offered students various opportunities to align themselves with NCU's dynamic—ranging from sessions like the coveted Masterclass Series, Communication Skills, Computer Skills, Sports Activities, visits to villages adopted by NCU, Industrial Visits, Mentoring & Club Activities, and concluding with a Cultural Evening and Closing Ceremony.

### Masterclass 1: Delivered by Ms. Himani Bhasin (Director, Learning & Development, APAC at JLL)

Ms. Himani Bhasin is a seasoned professional with over eight years of experience at organizations like PepsiCo, KPMG, OPPO, and Reliance. A Gold Medalist in Psychology from Amity University, she also holds an MBA in HR and a Diploma in Counselling & Guidance from Delhi University. Specialized in Training Design from IIM Indore, she is a certified Gallup coach and an Art Therapy Coach.



Ms. Himani Bhasin shared her inspiring journey, offering key insights for personal and professional growth. She emphasised five holistic skills crucial for success: communication skills, focusing on body language, impactful speaking, and eye contact; interpersonal skills for building strong networks; strategic thinking for thoughtful decision-making; emotional intelligence to understand others' perspectives through empathy; and conflict resolution strategies for effectively managing disputes.

### Masterclass 2: Delivered by Shree Parthasarthy (Partner Consulting & Leader at Forvis Mazars)

As Partner Consulting & Leader at Forvis Mazars and a TEDx speaker, Mr. Parthasarthy specialises in technology, digital transformation, cyber, and risk consulting. With global experience across markets, he has collaborated with governments and academia to establish innovation incubators. Additionally, he advises the Government of India on digital payment, supply chain, cyber, and crisis management, working closely with the PMO.



Mr. Parthasarathy highlighted key areas for students to focus on in order to prepare for their dream job and future career success. He advised building a strong foundation through core subjects and extracurricular activities, developing essential skills like digital literacy and problem solving, staying informed about emerging trends, and being adaptable. He also emphasised the importance of setting clear goals, regularly assessing progress, and preparing for the future by enhancing skills, earning certifications, and building a personal brand.

**Masterclass 3: Delivered by Mr. Anujh Tewari (Chief Cybersecurity Advisor at Microsoft)**

Mr. Anujh Tewari is a pioneer in cybersecurity with extensive experience in risk and compliance frameworks. A Management graduate from IIM Indore and a TEDx speaker, he serves as a board member of ISACA, New Delhi and an Executive Member of the CyberEd Board. He advises on designing and implementing enterprise risk, regulatory affairs, information security, cybersecurity, privacy, and data protection programs, providing expert counsel to various industries.



Mr. Tewari emphasised the importance of data protection in the digital age, urging a focus on what computers should do, not just what they can do. He discussed the potential future of AI surpassing human intelligence by 2045, enhancing cybersecurity but also posing challenges as malicious actors use AI for advanced attacks. He highlighted the need for advanced defenses and stressed the ethical implications, calling for responsible development and use of AI technology to address its societal impact.

**Masterclass 4: Mr. Deepak Kapur (Vice President, Corporate HR at AVL India Pvt. Ltd.)**

With over 28 years of experience in startups and global organizations, Mr. Kapur excels in supporting business goals through strategic HR initiatives. Proficient in establishing HR departments from scratch and handling

large-scale hiring, he offers innovative solutions in performance and talent management while focusing on reducing attrition and designing creative compensation structures. He has conducted compensation and engagement surveys, managed change across India, the US, APAC, and the EU, and implemented automated HR systems.



Mr. Kapur emphasised that practical skills can help students overcome challenges and achieve their goals by reflecting on the past, staying vigilant in the present, and maintaining hope for the future.

**Masterclass 5: Mr. Ankit Jhamb (Chief Learning Officer at Grant Thornton Bharat LLP)**

Mr. Ankit Jhamb, with 17 years of HR experience, oversees learning and development for over 5,000 employees across India. Known for driving business impact through innovative, agile solutions utilising social sciences, analytics, and branding, he focuses on developing future skills, leadership journeys, and inclusive workplace cultures, while also promoting mental health. A certified coach and clinical hypnotherapist, he is a TEDx speaker and author of 12 books on personal and professional growth.



Mr. Ankit Jhamb shared his inspirational journey to illustrate the concept of mental resilience. He emphasised the importance of embracing challenges with determination and passion, accepting periods of boredom and difficulty as essential for growth. He highlighted that discipline is crucial for overcoming obstacles and maintaining progress, urging individuals to use it to advance despite difficulties. Ultimately, he noted that true victory and success come from reclaiming strength, reflecting on progress, and acknowledging achievements.

**Masterclass 6: Mr. Amit Kataria (COO & Co-Founder at SARAS AI)**

With over two decades of experience in talent and culture strategies at leading technology firms, Mr. Kataria has been honoured as CHRO of the Year and recognised among the Top 23 HR Leaders of 2023, receiving an HR Excellence Award and ranking as one of Asia's Top 100 HR Power Leaders. As the Chief Operating Officer and Co-Founder of NeTed' SARAS AI, he drives operations, HR, expansion, finance, and ecosystem growth at a pioneering higher education institution for computer science and AI. He has shaped the careers of thousands of cloud technology graduates and served



several university boards globally, holding Professor of Practice and Visiting Professor roles. Notably, he is acclaimed for humanising AI and transforming HR practices in multinational corporations. He emphasised that understanding your goals early and making decisive choices is crucial for personal fulfilment and success. He reiterated that the sooner you identify what you want to do, the sooner you can pursue it with dedication and find happiness and stability.

### Masterclass 7: Mr. Nitin Kapoor (Vice President at NSDC Academy)

As Vice President at NSDC Academy, Mr. Nitin Kapoor has extensive experience in Learning & Organizational Development, including leadership, skilling, and talent management. He excels in strategy, planning, and execution, with a focus on impactful outcomes. Recognized by ET Now and World HRD Congress for excellence in Learning, Training & Development in 2019 and 2015, Mr. Kapoor is a prominent leader in their field.



Mr. Nitin Kapoor discussed the ABCs of Life, emphasising awareness of surroundings and current events, self-belief, and commitment to goals. He used the metaphor of a rollercoaster ride to illustrate life's journey, highlighting the excitement of anticipation, the fear before taking action, and the importance of fully committing once engaged. He encouraged embracing challenges and enjoying the journey without comparison, while also stressing the significance of integrity—being honest and consistent in thoughts, actions, and results to remain grounded and true to oneself.

### Masterclass 8: Ms. Priti Chopra (Asst. Vice President at Genpact)

As Asst. Vice President at Genpact, Ms. Chopra has 10 years of experience in Fashion Retail, e-commerce, and IT. A Management graduate from MDI, Gurgaon, she specialises in strategy development, profitability, and growth. Proficient in managing multi-branded stores, e-commerce models, and P&L, she also excels in buying, merchandising, and talent supply chain management.



Ms. Chopra stressed the inevitability of change, emphasising that adapting is crucial to remain relevant. She discussed the need to align behaviours and attitudes with industry demands and today's context, highlighting essential skills such as fungibility, continuous learning, and upskilling to embrace new technologies and enhance analytical thinking. She noted the importance of formal education in building critical thinking and managing stress, communication, and time management. Additionally, she highlighted the role of technology in industry transformation, mentioning key technologies like AI, IoT, AR, Quantum Computing, and Machine Learning, and concluded with the mantra for success: building a personal brand to stand out.

### CPAAE's Interaction with B.Tech and BCA Students

The CPAAE's interaction with B.Tech and BCA students began with an overview of the placement process. CPAAE introduced the significance of placements and explained the overall process, including a typical timeline for when companies start visiting campuses and how students should prepare in advance. Students were provided with insights into the various types of companies participating in campus placements, including tech giants, startups, and multinational corporations.

In the next segment, the focus shifted to preparation for interviews. The importance of building a well-structured resume that highlights skills, projects, internships, and academic achievements was emphasised. Key components of interview preparation were discussed, including technical skills—mastery of core subjects and programming languages relevant to the field—and soft skills such as communication, problem-solving, and interpersonal abilities. Finally, the importance of aptitude test preparation was highlighted as a crucial part of the selection process. The speaker covered common types of questions found in these tests, such as logical reasoning, quantitative aptitude, and verbal ability. To culminate the session, students were suggested strategies for managing their time during the test to maximize the number of questions answered within the given timeframe.

In addition, several sessions on Communication Skills were taken by sought-after faculty members, covering topics such as Ice Breaking, Introductions, and Just-A-Minute (JAM). Interactive sessions were conducted with all students, starting with ice-breaking activities, where they introduced themselves and discussed the importance of communication. A lively JAM session followed, featuring topics like handling traffic jams and the benefits of using diplomatic language, encouraging students to share their thoughts. The sessions successfully boosted confidence in voicing opinions and fostered creative thinking.

Computer Skills sessions were also conducted on "Unleashing Creativity: Using ChatGPT for Creative Writing and Poster Design with Canva" and "Mastering the Basics: Essential Skills for PowerPoint." These workshops focused on enhancing creative and technical skills through hands-on learning.

## Village Visits of NCU students

In a dedicated effort to uplift local communities, UBA NCU organised impactful visits to its adopted villages – Gwal Pahadi, Sadhrana-Hamirpur, and Aklimpur, on August 13th, 16th, and 20th respectively.

First-year students, guided by their mentors and UBA volunteers, spearheaded a series of initiatives that included plantation drives, comprehensive household surveys, and cleanliness campaigns. The villagers also benefitted from literacy programmes, which focused on digital literacy, legal awareness, and substance abuse prevention.

For first-year students, these events served as their introduction to the hands-on experience of community service at NCU, giving them a firsthand look at how such initiatives are organised and executed.



## Industry Visits

Newly admitted students of NCU were taken to several industries of significance, and their details are as detailed below:

### Visit 1: Parle Factory

Students learned about Parle's history, observed biscuit manufacturing, and connected theory with industry practice.

### Visit 2: Winntus Formwork Pvt. Ltd

Students explored management principles, observed manufacturing processes, and gained insights into HR practices and waste management.

### Visit 3: TERIgram Retreat

B.Tech students gained insights into sustainable practices and green technologies through TERI's research on climate change and renewable energy.

### Visit 4: National Physical Laboratory

Students observed advanced research in semiconductor materials, thin-film transistors, and solar cells, and attended a workshop on indigenous reference materials.

### Visit 5: Yakult, Sonipat

Students toured Yakult's processing unit, learned about probiotics, and interacted with coordinators on the HACCP model and the company's global operations.

### Visit 6: Maruti Centre of Excellence

Students were introduced to industrial safety tools, observed advanced machinery, and learned about manufacturing operations and safety protocols.

### Visit 7: Air Force Museum

Students explored Indian military aviation history, rare aircraft, and war memorabilia at the Air Force Museum.

### Visit 8: The Parliament of India

Students explored India's legislative system, toured Parliament buildings, and deepened their understanding of legislative history and modern developments.

## Mentoring Sessions

A formal introduction to the all schools and their various academic structure was provided to all students, focusing on their holistic development. Mentoring sessions covered expectations for the upcoming years, the schools' achievements, mandatory activities, and faculty addresses. Faculty members emphasised the importance of active participation in events and building a well-rounded resume through academic and extracurricular involvement. Additionally, several mentoring sessions were taken by mentors of all programmes highlighting the benefits of reading for personal and professional growth, offering practical strategies to develop consistent reading habits.

## Closing Ceremony

The closing session featured speeches welcoming students and wishing them success, followed by performances in dance, music, theater, and a fashion show. The event witnessed enlightening speeches by Prof. Prem Vrat (Pro Chancellor, NCU) and Prof. M.K. Gopaliya (Dean-Academics Affairs, NCU). The ceremony then concluded with a summary of the induction programme's sessions and activities.

## Department of Computer Science & Engineering

### Data Analytics Training

The Department of CSE inaugurated the Center of Excellence on 14th August to conduct a 100 hours' training program on "Certificate Course on Data Analytics" for select B.Tech students. This training is a part of "Student Empowerment Program – Centre for Youth Empowerment" – powered by the Honeywell Center of Excellence established by ICT Academy at NCU. The event was graced by esteemed guests of honour, including Mr. Abhinandan Pandey (State Head of North India - AI, ICT Academy), Prof. Rita Chhikara (Head, Department of CSE), and Mr. Shubham from ICT Academy. The event's coordination was skillfully managed by Dr. Poonam Chaudhary, Dr. Meghna Sharma, Dr. Srishti, and Ms. Sneha Kandacharam.

### Beyond the Gantt Chart: Building Moral for Project Management by IEEE Region 10 (APAC, Industry Relations Committee)

On 20th August 2024, IEEE Student Branch and Department of CSE, NCU successfully hosted a 1-day event on "Beyond the Gantt Chart: Building Moral Project Management" organised by IEEE Delhi Section and Industry Relation Committee Region 10, bringing together over 300 students, industry professionals, and research scholars. The event included insightful talks on project management by distinguished speakers Prof. Prem Vrat (Pro-Chancellor; Professor of Eminence and Chief Mentor, NCU) and Rohit Adlakha (CXO, Advisor Human Edge - Enterprises). Additionally, a dynamic panel discussion led by experts Prof Rita Chikkara, (Head, CSE), Mr. Aman Gupta (Sr. Cloud Engineer, Amazon), Mr. Rohit Adlakha and Prof. Guneet Kaur from Asian Business School. The event was flawlessly coordinated by Dr. Poonam Chaudhary, Dr. Srishti, and Mr. Ramneek Kalra, the IEEE Impact creator.

### Game-On: Clash of Clans & Clash Royale Tournaments

On 14th August, The NorthCap University witnessed an adrenaline-packed gaming event, Game-On: Clash of Clans & Clash Royale Tournaments, hosted by the Cloud IoT Club in collaboration with Gamp. Participants gathered to showcase their strategic prowess and battle it out in two of the most popular mobile strategy games—Clash of Clans and Clash Royale. Under the guidance of Mr. Sumit Kumar, and with the diligent efforts of Jatin Dalal & The Core Team of Cloud IOT club, the event ran smoothly, ensuring that all participants had a positive experience.

## School of Law

### Visit to the Parliament of India

On August 20, 2024, twelve students from The NorthCap University, led by Dr. Unanza Gulzar and Ms. Kanika Kaushik, attended an industrial visit to the Parliament of India. The event provided an educational experience on the Indian legislative system. Students explored the new Parliament building, observing modern architectural advancements aimed at enhancing legislative efficiency. The group also watched two informative documentaries, deepening their understanding of India's legislative processes. The visit offered a comprehensive insight into both the historical significance and contemporary functionality of the Indian Parliament.



### Quiz Competition at "VidhiJalsa"

The School of Law, The NorthCap University, organized a quiz competition on 4th September 2024 at Rabindranath Tagore School for 12th-grade students. Over 50 participants formed teams to compete in rounds covering general legal knowledge, constitutional law, and landmark cases. The event aimed to promote legal awareness and interest among students. Ms. Harshita from Class 12 emerged as the winner, receiving a trophy and certificate, while the runners-up were also recognized. The competition provided an engaging platform to explore legal concepts and highlighted the importance of legal literacy for young learners.

## Department of Applied Sciences

### Online Quiz on Independence Day organized by The Puzzle Club

In celebration of India's Independence Day, The Puzzle Club organized an online Quiz on Independence Day. The quiz aimed to test students' knowledge about India's history and Independence Day while encouraging them to engage with the country's rich cultural and historical heritage. The events were coordinated by student coordinators Tanay (22CSU222) and Vasudha (22CSU187) under the mentoring of faculty coordinator Dr Aditya Sharma.



### "Creative Hunt" by The Innovate to Elevate Club

The Innovate to Elevate Club at NCU conducted an event "Creative Hunt," on 14th August, in which students were given a chance to showcase their creativity by transforming waste materials into innovative and imaginative creations. Participants were engaged in a hands-on activity where they reproduced discarded items to craft something unique, reflecting their ingenuity and commitment to sustainability. The event was coordinated by Dr. Seema Thakran and student coordinator Aman Gahlot (22BSM008).

### The Photonics Spectrum: Event Summary Report Introduction

Supported by OPTICA, IIT Dhanbad, UEM, and MMMUT, The Photonics Spectrum was a significant event that showcased the importance of photonics in modern technology. The collaborative efforts of the organizing OPTICA chapters resulted in a well-rounded and impactful program, setting a high standard for future events in this rapidly evolving field. The event not only facilitated learning but also strengthened ties among the photonics community, paving the way for continued innovation and cooperation. The event was coordinated by Dr. Hukum Singh.





**5-Day National Workshop titled “The Power of Math – Interactive Applications in Modern Developments 2024”**

The Department of Applied Sciences at The NorthCap University hosted a 5-Day National Workshop titled “The Power of Math – Interactive Applications in Modern Developments 2024” from 20th to 24th August, in a hybrid mode.

This workshop was designed to unite researchers, faculty members, and undergraduate and postgraduate students engaged in mathematics, statistics, and operations research. Its primary goal was to explore the practical applications of mathematics in areas such as statistics, linear algebra, image processing, and operations research, emphasizing their relevance to real-world scenarios. Additionally, the workshop delved into various software tools like R, Python, and MATLAB, highlighting their practical applications.

The workshop was led by Dr. Anshu Malhotra and Dr. Seema Thakran, under the guidance of Prof. Hukum Singh, Head of Department.



**Department of Multidisciplinary Engineering**

**Industrial Visit to Maruti Centre of Excellence (MACE), Manesar, Gurugram on 13th August 2024**

B.Tech (CSE) first-year students participated in an industrial visit to the Maruti Centre for Excellence (MACE) as part of their induction program. The officials briefed the students on the purpose and operations of MACE, emphasizing its role in enhancing supplier quality and performance through advanced training and auditing processes. During the visit, the students were introduced to various industrial safety tools and gadgets, along with the protective gears used in manufacturing environments. The students had the opportunity to see advanced machinery, including CNC machines and PLC

systems, which are integral to modern manufacturing processes. This visit provided the students with a practical understanding of industrial operations and safety protocols. The visit was organized by Dr. Vandana Khanna and Dr. Akanksha Mathur, of MDE department.



**Industrial Visit to TERIGram, Gurugram**

The Natural Resources Sustainability Club of the Department of Multidisciplinary Engineering at The NorthCap University, Gurugram, organized an enlightening industrial visit on 2nd August, 2024. Aimed at enhancing the learning experience of 42, 1st-year engineering students as part of their Induction Program, the visit took them to TERI’s (The Energy and Resources Institute) Research and Development Centre in Gurugram. During the visit, students gained firsthand insights into TERI’s initiatives by exploring the research center’s state-of-the-art facilities and engaging with experts in various fields. They were exposed to TERI’s extensive work in renewable energy, sustainable agriculture, and environmental policy. The event was coordinated by Dr. Lokesh Choudhary and Dr. Akanksha Mathur.



**PhD Viva Voce of Dr. Lokesh Choudhary**

The PhD viva voce for Dr. Lokesh Choudhary was successfully conducted on 16th August 2024 in the Department of Multidisciplinary Engineering. The defense was graced by Prof. Prem Vrat (Pro-Chancellor, NCU), Prof. Nupur Prakash (Vice-Chancellor, NCU) and Dr. Kaustubh Dasgupta from IIT Guwahati, as the external examiner. Dr. Choudhary’s research on “Structural Behavior of Sustainable Ternary Geopolymer Blends and Prediction of Strength using Machine Learning” was praised for its practical impact, aligning with 6 UN Sustainable Development Goals. His work has resulted in 1 patent and 6 publications in prestigious SCI/SCIE/Scopus-indexed journals, book chapters, and conferences.

## Winners of Ideathon at National Space Day

On 9th August, The NorthCap University, in collaboration with ISRO, celebrated National Space Day, featuring an exciting Ideathon. A total of 13 teams from within and outside NCU participated, presenting innovative solutions on Space Debris Management and Colonization on the Moon. Teams were judged on Innovation, Feasibility, Impact, Presentation, Technical Rigor, and Potential for Development.

Remarkably, 4 teams from 1st year's Section D secured the 1st, 2nd, 3rd, and 4th positions. The winning teams were mentored and supervised by Dr. Lokesh Choudhary and Dr. Akanksha Mathur. The event highlighted the brilliance of NCU students, with winners receiving trophies and certificates.

The winners are: 1st Prize - Shubh Yadav (24CSU196), Sakshar Bhatnagar (24CSU180), Shaksham Adhikari (24CSU198); 2nd Prize - Pulkit Kush (24CSU166), Puneet Gulia (24CSU167), Poorab Jain (24CSU151); 3rd Prize - Pratik Yadav (24CSU158), Shubham (24CSU197), Shubham Sharma (24CSU199); 4th Prize - Prachi (24CSU153), Pragma (24CSU155).



## Faculty Outreach

- Prof. Rita Chhikara and Dr. Poonam Chaudhary attended the Graduation Ceremony for the Pollen Propel Pre-Incubation Program at STPI Apiary, Gurugram, on 13th August. The Pollen Propel Pre-Incubation Program is a platform provided by STPI Gurugram, where they offered internships to NCU students and provided a platform for young tech innovators to form teams and transform their ideas into startups through pre-incubation.
- Dr. Srishti was honored as a distinguished guest and panelist at the IEEE Computer Society India Symposium 2024 held at SRM University, Chennai from 29th to 31st July. Dr. Srishti discussed career options in computer science, opportunities in the tech space, and the role of the IEEE Computer Society in supporting students and young professionals.
- Ms. Vandana and Dr. Nidhi Malik attained a certificate of excellence for

completing "Introduction to C++" by Coding Ninja from May to August 2024.

- On 22nd August 2024, Dr. Nishu, Dr. Monika Lamba and Dr. Shraddha Arora successfully delivered insightful invited lectures during the 5-day National Workshop on "The Power of Math - Interactive Applications in Modern Development 2024" from 20th-24th August. This prestigious event was sponsored by the Council of Scientific and Industrial Research (CSIR).
- Dr Payal Khurana completed the NEP 2020 Orientation & Sensitization Programme (An Initiative for Quality Enhancement in Teaching-Learning & Research) under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by Kurukshetra University, Kurukshetra from 15-07-2024 to 27-07-2024.
- Dr. Aditya successfully completed a specialization course on 'Coding for Everyone: C and C++ Specialization' offered by UC Santa Cruz through Coursera in August 2024. This specialization comprises 4 courses a) Programming Fundamentals, b) Structured Programming, c and d) C++ For C Programmers, Part A, and Part B, respectively. The blend of C and C++ in this single course series provides a comprehensive understanding of procedural and object-oriented programming paradigms.
- On 24th August, following faculty members from the Department of CSE, namely – Dr. Shaveta Arora, Dr. Tamalika Chaira, Dr. Shraddha Arora, and Ms. Sneha Kandacharam – actively participated at Rendezvous 2024, a Quantum Computing Basics Workshop held at IIT Delhi.
- Dr Aditya Sharma completed the Udemy course on "The Complete Quantum Computing Course" on 8th Aug 2024 and got certified for the same. In this course she learnt about the fundamentals of quantum computing, quantum programming, qiskit, python language, and quantum computers.
- The following faculty members from the Department of Computer Science and Engineering have successfully earned the Microsoft Azure AI-900 certification – Dr. Rita Chhikara, Dr. Srishti, Dr. Nishu, Dr. Meghna Sharma, Dr. Poonam, Ms. Bhavana Sharma, Dr. Nidhi Malik, Dr. Monika Lamba, Dr. Shraddha Arora, Ms. Vandana, Ms. Akanksha Kaushik, Dr. Swati Gupta, Dr. Nitin Malik, Dr. Shaveta Arora, Dr. Shilpa Mahajan, Dr. Neeti, Dr. Anuradha Dhull, Dr. Yogita, Dr. Tamalika, Dr. Prerna Singhal, Dr. Garima Sharma.

## Students' Achievements

A total of 23 students from the Department of CSE have successfully completed their internship in Blockchain Technology and have also achieved the pre-incubation program, "STPI Apiary's Pollen Propel 2024," at the Software Technology Parks of India (STPI) in Gurugram. This comprehensive program ran from 13th June to 13th August, providing the students with valuable experience in both pre-incubation and innovation. The program was organized and coordinated by Prof. Rita Chhikara and Dr. Poonam Chaudhary from the Department of CSE.

## Community Service

On 9th August, The NorthCap University marked a significant milestone by signing a Memorandum of Understanding (MoU) with the Navjyoti India Foundation, a leading NGO committed to rural development and social welfare. This collaboration underscores NCU's dedication to social responsibility and its active role in community engagement. Dr. Shrutimita Mehta (Chairperson, SAL) and Dr. Vaishali Sahu (Dy. Director, IQAC) initiated the same.

The MoU aims to foster a collaborative environment where NCU and Navjyoti Foundation can work together on various initiatives under the Unnat Bharat Abhiyan, a national program designed to uplift rural India. Through this partnership, both institutions will focus on enhancing the quality of life in rural communities by implementing sustainable development projects, providing educational support, and promoting health and wellness programs.



The pledge-taking ceremony on the theme “Viksit Bharat ka Mantra, Bharat ho Nashe se Swatantra” was successfully conducted on 12th August, as per the directives of the Ministry of Social Justice & Empowerment Department of Social Justice & Empowerment, Government of India. The event aimed to raise awareness about the detrimental effects of substance abuse and to reinforce the collective resolve to work towards a drug-free India, which is essential for the nation’s progress and development. All participants collectively took an oath to stay away from drugs and to spread awareness about the dangers of substance abuse. The pledge was led by volunteers of clubs, Yukti and Aashayen and echoed by all present. The event left a lasting impact on the participants, reinforcing their commitment to a healthier lifestyle and a drug-free society.

Club Yukti organized an online quiz named Tricolour Trivia on Independence Day. The questions centered around the quiz covered topics related to India’s history, symbols, and culture. The event saw a good participation of nearly 300 students and the participants demonstrated their knowledge and thinking about the Indian heritage and culture. The event fostered a sense of community and celebration on Independence Day. The event was coordinated by Isha Aggarwal and Saundarya Singh under the guidance of Dr. Vaishali Sahu and Dr. Shrutimita Mehta.

The Youth Red Cross Club and Eklavya Club, The NorthCap University, came together to host a transformative “Youth Empowerment Week”, which took place over five days from 12th to 16th August, 2024. This significant initiative was followed by a visit to an NGO and a nearby slum community on 20th August, 2024, further extending the impact of the week-long activities. The primary objective of Youth Empowerment Week was to underscore the incredible potential that lies within young individuals to effect positive and lasting change in their communities. Throughout the week, the event served as a dynamic platform for young people to build and strengthen their networks – especially with a donation drive where participants collected a variety of essential items, including educational supplies, clothing and non-perishable food items, fostering connections that would enable future collaboration on social causes. These donations were then made to an NGO partner. The event was coordinated by Ms. Kanika Gupta, Dr. Parul Khanna, Dr. Chetna Tyagi, and Dr. Arjun Singh.

### Har Ghar Tiranga Yatra

On 13th August, in celebration of India’s Independence Day, NSS NCU organized a ‘Tiranga Yatra’ under the government initiative “Har Ghar Tiranga.” This event aimed to inspire patriotism and strengthen the bond of unity among citizens. Many NSS NCU volunteers participated in the event, proudly holding the Indian national flag and marching in unity. This event

encouraged residents to hoist the national flag at their homes and take pride in being part of this great nation.

### Anti-Ragging Slogan Writing Competition

On 12th August, Manovriti - NCU’s Community Service and Mental Health Club organized a Slogan Writing Competition on the theme of Anti-Ragging to raise awareness among students about the importance of creating a safe and inclusive campus environment. The event saw enthusiastic participation, with over 43 students from various departments coming together to express their thoughts and creativity through powerful and meaningful slogans.

### Anti-Ragging Awareness Campaign

On 14th August, the Chetna Club of The NorthCap university organized an awareness campaign on anti-ragging for NCU’s 1st-year students. The awareness campaign included various activities like a talk by a psychologist on psychological effects of ragging on students, followed by showcasing of a video demonstrating the strict rules against ragging and the consequences of indulging in ragging. Finally, an interactive activity of speaking out slogans against ragging was conducted. The event fulfilled its purpose of educating students and staff about the detrimental effects of ragging, promoting a culture of respect and safety, and encouraging the reporting of incidents.

### Wrap-Up Kindness by Prayaas NCU

On 14th and 15th August, Prayaas NCU organized a Clothes Donation Event as part of its ‘Unity Utsav’ initiative, to provide essential clothing to individuals and families in need in the society. As seasons change, many people lack access to adequate clothing, which can impact their health, well-being, and dignity. This event aimed to bring the community together in a collective effort to address this critical need.

### Unleash your Patriotism - Quiz on Independence Day

On 15th August, Prayaas NCU organized ‘Unleash your Patriotism - Quiz on Independence Day’ as part of its ‘Unity Utsav’ initiative, a community-centric event celebrating India’s 77th Independence Day. The primary objective of the quiz was to foster a sense of national pride and awareness among students about India’s journey to independence. By participating in the quiz, students were able to reflect on the importance of freedom and the sacrifices made by the nation’s leaders. Winners of the quiz were Aryan (22CSU330), Vanshika (22CSU220), Natasha (22BAHE005), and Ritesh (22BBA013).

### Clean and Green Drive

Clean and Green was a community service activity drive organized on 13th August, where participants were invited to come together and clean a surrounding area close to the NCU campus. The primary purpose of the ‘Clean and Green’ drive was to instill a sense of environmental responsibility among students and foster a commitment to community service. It aimed to encourage students to take proactive steps in maintaining cleanliness and promoting green practices, thereby contributing to a healthier and more sustainable environment, both on and off campus.

## Library

### National Library Day celebrated in NCU Library

The NCU Library commemorated Padmashri Professor SR Ranganathan’s birthday on 12th August 12, also celebrated as National Library Day. Members of the University Library hold Prof. Ranganathan’s significant contribution to the field of library science in high regard, wherein they commemorated this day by acknowledging his blessings and hard work to get us to where we are today.

His unwavering efforts have allowed library science to establish itself as a significant field in India and around the globe. In addition to being the creator of library science at Delhi University, Professor Ranganathan is the first academic to receive the Padma Shri Award in this field and additionally, a postage stamp.



## International Relations Office

### MOU Signing and Inauguration of Taiwan Education Centre (TEC) at NCU

A delegation from the NTHU, Taiwan led by Prof. Wei-Chung Wang (Director of Center for India Studies and Director of the Program Office, Taiwan Education Center in India at National Tsing Hua University) and his other senior leadership, visited The NorthCap University for signing the MoU and inauguration of Taiwan Education Center.

National Tsing Hua University, Taiwan originally established in 1911 in the Chinese capital of Beijing, National Tsing Hua University (NTHU) relocated to Hsinchu City in Taiwan. Over the last sixty years, NTHU has developed into an institute housing 12 colleges with more than 140 degree programs. National Tsing Hua University is one of the top public universities in Hsinchu City, Taiwan. It is ranked QS World University Rankings (2024) by Top Universities #233 and It is ranked #210 in QS World University Rankings 2025.

Taiwan Education Center (TEC) is set up at NCU, and following are the objectives of TEC:

- NTHU shall facilitate The NorthCap University in disseminating knowledge about Mandarin Chinese Language, promoting Taiwan's culture, and higher education.
- NTHU will offer Mandarin Chinese as foreign language courses to students of The NorthCap University.

The MoU aims to foster educational and cultural exchange between NCU, India, and NTHU, Taiwan, promoting mutual understanding and cooperation. The TEC will facilitate collaborative research, student and faculty exchanges, and various academic initiatives. The official inauguration of the center has marked the beginning of this collaborative effort. NCU is grateful to Dr. Rakhi Nangia and Prof. Mohan B Rao (Consultant TEC-NTHU, Taiwan, Chairman CII WR Taskforce for Education) for connecting NCU with NTHU and TEC.

### Inauguration of the New International Relations Office at NCU

We're excited to announce the grand opening of our newly established experiential International Relations Office! With over 30 international partnerships with renowned universities, the IRO offers its students incredible opportunities, including semesters abroad, global internships, master's pathways, dual degrees, and more.

We were honored to have Dr. Mamta Rani Agarwal (Additional Secretary, Association of Indian Universities (AIU), Former Advisor-1 at AICTE and Joint Secretary - University Grants Commission) as our Chief Guest. Her inspiring speech on the evolving global landscape of education emphasized

the importance of cultural diversity, skills development, and a truly global perspective.

The inauguration was graced by Mr. Avdesh Mishra (Chancellor, NCU), Prof. Prem Vrat (Pro-Chancellor, NCU), Prof. Nupur Prakash (Vice Chancellor, NCU) and various heads of departments, adding to the significance of the occasion. NCU is grateful to Dr. Agarwal for her valuable insights and to Dr. Sharda Vashisth (Head, Multidisciplinary Engineering & Deputy Dean - International Affairs), for leading NCU's international initiatives.

### Meeting with QUT, Australia representative

A meeting of the IRO on 20th August with Mr. Satya Shah (Director, South Asia & Other Markets, Chancellery Division, Queensland University of Technology), was a significant step towards enhancing international academic opportunities for students. The primary focus of the meeting was to finalize the articulation agreements for dual degree programs and facilitate the inclusion of semester-abroad options at QUT.

### India-Africa Conclave

Dr. Pooja Sabherwal (Associate Professor - Multidisciplinary Engg. and International Affairs Coordinator) and Prof. Sharda Vashisth (Head, Multidisciplinary Engg. & Dy. Dean, International Affairs) attended the India-Africa Conclave on 22nd August at the Taj Palace Hotel, New Delhi, organized by the Confederation of Indian Industry (CII). The primary aim of the meeting was to explore potential collaboration between The NorthCap University and the Government of the Democratic Republic of Congo. The focus of their participation was to gain insights into the skill enhancement needs of Congolese students. This partnership holds the potential to significantly improve the employability of Congolese students across various sectors. By fostering this collaboration, essential competencies could be developed among learners from Congo, increasing their chances of securing jobs in key areas such as mining, ITES/hardware, and construction value addition.

### NCU's Study Abroad Programme

- Arjun Bhardwaj (21CSU211) and Soha Sindhwani (21CSU099) – two VIth semester students of the B.Tech Computer Science and Engineering program – recently completed their semester abroad at the University of North Florida, USA, for the Spring 2024 term. They returned to The NorthCap University on May 7th, 2024.
- Paridhi Pasrija (21CSU068), Ragni Sharma (21CSU453) and Utkarsh Singh (21CSU108) – three VIth semester students of the B.Tech Computer Science and Engineering program – recently completed their semester abroad at the SIT, Japan under Study Abroad Program.
- Hridyansh Chaudhary (20CSU239), an VIIIth Semester student of the B.Tech Computer Science and Engineering program, recently joined his semester at the Sunway Malaysia Under Study Abroad Programme.

### NCU students Securing Internships Abroad

- Lakshay Gupta (22CSU242), Rahul Sikri (21CSU077), and Kartik Taneja (20CSU345) completed their 4 weeks' internship program in PBL (Project-Based Learning) Environment at Coventry University, UK.
- Aryan Kadiyan (21CSU141) successfully completed his 3 weeks' summer internship at Texas University, USA.
- Paridhi Pasrija (21CSU068) has been selected for a six months' internship at Mitsubishi Fuso Truck and Bus Corporation, Japan.

- Two students Satyender Hooda (20CSU100) and Paridhi Pasrija (21CSU068) have been selected for research exchange at Shibaura Institute of Technology, Japan from July-August 2024.

### Masters' Programmes

- **Ripudaman Singh**, an NCU alumnus, has joined Arizona State University, USA for Accelerated Masters' Programme. He has the advantage of completing an MS in Software Engineering in just one year, instead of the usual two-year program.

- **Dhruv Singh**, an NCU alumnus, has joined University of North Florida for Masters in Electrical Engineering with 100% scholarship.

## Centre of Professional Attachment & Alumni Engagement (CPAA)

### Masterclass Series with Visionary Industry Leaders

To welcome the newest incoming batch of NCU, CPAAE organized several masterclass sessions, featuring a stellar lineup of senior industry leaders. These sessions went beyond traditional lectures, offering transformative experiences that bridged the gap between academia and the industry.

Our students had the unique opportunity to engage directly with influential leaders who are driving innovation and shaping the future across various sectors. The discussions were insightful, addressing cutting-edge trends and real-world challenges, and provided a deep, enriching learning experience.

Our guest speakers generously shared their time and wisdom, illuminating the path for the next generation of professionals. These masterclasses not only expanded our students' knowledge but also reinforced our commitment to delivering education that is closely aligned with industry needs.

### Investment Management Industry: A Career Awareness Session

A Career Awareness session, in collaboration with the CFA Institute, was conducted for the BBA and B.Com. (Hons.) students in their 2nd and 3rd years. This session focussed on the investment management industry and aimed to offer students a thorough understanding of finance career opportunities. The session covered:

- Career Planning:** Techniques for setting long-term career goals and creating actionable plans to achieve them.
- Industry Trends:** An exploration of the latest developments and opportunities within the finance sector.
- Investment Management Ecosystem:** An overview of the industry's structure, including various job roles, career paths, and opportunities.

The goal of these sessions was to equip students with valuable insights and practical advice to help them advance their careers in finance.



### Placement Data for the August Drive

In August 2024, as NCU commenced the placement season for the graduating Class of 2025, we welcomed four distinguished companies to our campus: Deloitte, EY GDS, One Banc, and Gemini Solutions. We are pleased to announce that, as a result of these visits, 17 students have secured placements with these esteemed firms.



### Forging New Partnerships: VIMHANS and The NorthCap University Collaborate for Enhanced Opportunities

A team of leadership from VIMHANS recently visited the NCU campus to initiate a Memorandum of Understanding (MOU) with The NorthCap University. This partnership marks the start of an exciting collaboration designed to enhance educational and research opportunities, as well as internship prospects, for our BA Psychology and MA Psychology students.



### Journal Publications

- Dheeraj Tiger, **Anshu Malhotra** and Vinod Kumar\* (2024) 'Security and Privacy Issues and Solutions in Vehicular Digital Twin Networks', Journal of Harbin Engineering University, Vol. 45, No. 7, pp. 195-200, **APS2024J0021**.
- Manoj and **Aditya Sharma Ghrera\*** (2024) 'Ti3C2TxMXene Modified Indium Tin Oxide (ITO) Electrode for Electrochemical Sensing of Bilirubin Based on a Molecularly Imprinted Pyrrole Polymer', Physica Scripta, Vol. 99, No. 5, pp. 1-14, **APS2024J0022**.
- Neeru Goyal, Mukesh Kumar, **Aditya Sharma Ghrera**, Umesh Kumar Sharma, Anil Kumar Yadav\* and Shikha Srivastava (2024) 'Barrow's Holographic Dark Energy Model in Axially Symmetric Spacetime', International Journal of Geometric Methods in Modern Physics, Doi: <https://doi.org/10.1142/S0219887824502153>, **APS2024J0023**.
- Richa Sharma\* and **Shrutimita Mehta** (2024) 'Pandora of Myths: An Insight into Divakaruni's "The Palace of Illusions"', Anhad Lok, Vol. 10,

- pp. 214- 220, **CLL2024J0007**.
- Savita Boral\* and Divyabha Vashisth (2024) 'Supremacy of Patriarchy in Mahesh Dattani's Play "Dance Like a Man"', *Anhad Lok*, Vol. 10, pp. 344-347, **CLL2024J0008**.
  - Komal Bhatt and **Divyabha Vashisth\*** (2024) 'Unveiling Dalit Feminist Voices : Resistance, Empowerment and Transformation in the Grip of Change', *Anhad Lok*, Vol. 10, pp. 446-449, **CLL2024J0009**.
  - Nimisha Yadav\* and **Shrutimita Mehta** (2024) 'From Silence to Strength : Unravelling Women's Struggle in Calcutta Through the Works of Ashapura Debi', *Anhad Lok*, Vol. 10, pp. 294-300, **CLL2024J0010**.
  - Ritika Rao, Sourabh Sharma and **Nitin Malik\*** (2024) 'Automatic Text Summarization Using Transformer-Based Language Models', *International Journal of System Assurance Engineering and Management*, Vol. 15, pp. 2599-2605, **CSE2024J0017**.
  - **Tamalika Chaira\*** and Arun Sarkar (2024) 'Pythagorean Fuzzy Set for Enhancement of Low Contrast Mammogram Images', *International Journal of Imaging Systems and Technology*, Vol. 34, No. 4, pp. 1-14, **CSE2024J0018**.
  - **Sumit Kumar** and **Prachi\***, Jyoti Sahni (2024) 'IoT Malware Detection Using Static and Dynamic Analysis Techniques: A Systematic Literature Review', *Security and Privacy*, Doi: <https://onlinelibrary.wiley.com/doi/full/10.1002/spy2.444>, **CSE2024J0019**.
  - Rishika Mehta\*, Jyoti Sahni and Kavita Khanna (2023) 'Task Scheduling for Improved Response Time of Latency Sensitive Applications in Fog Integrated Cloud Environment', *Multimedia Tools and Applications*, Vol. 82, pp. 32305-32328, **CSE2024J0020**.
  - Sania\*, Neha Sindhu, **Yogita Gigras** and **Shilpa Mahajan** (2024) 'Gatividhi Guard: The Activity Guardian-Revolutionizing Security Information and Event Management (SIEM) Technology', *Journal of Operating Systems Development and Trends*, Vol. 11, No. 1, pp. 29-44, **CSE2024J0021**.
  - **Shraddha Arora\*** and **Monika Lamba** (2024) '3D Brain Image Based Tumor Classification Using Ensemble of Reinforcement Transfer-Based Belief Neural Networks', *Multimedia Tools and Applications*, Doi: <https://doi.org/10.1007/s11042-024-19553-6>, **CSE2024J0022**.
  - **Garima Sharma\*** and Latika Singh (2024) 'Optimizing Facial Expression Recognition with Biogeography-Based Feature Selection', *Journal of Computers, Mechanical and Management*, Doi: <https://jcm.m.co.in/index.php/jcm/article/view/119>, **CSE2024J0023**.
  - Ila Kaushik\*, **Nupur Prakash** and Anurag Jain (2024) 'Plant Disease Detection Using a Depth-Wise Separable-Based Adaptive Deep Neural Network', *Multimedia Tools and Applications*, Vol. 83, No. 12, pp. 1-29, **CSE2024J0024**.
  - Mohamed-Ouejdi Belarbi, Soufiane Benounas, Abdelhak Khechaj, Pham Van Vinh\*, Le Truong Son\*, Eugenio Ruocco, **Aman Garg** and Soheil Gohari (2024) 'A Comprehensive Investigation of the Bending and Vibration Behavior of Size-Dependent Functionally Graded Nanoplates Via An Enhanced Nonlocal Finite Element Shear Mode', *Mechanics Based Design of Structures and Machines*, Doi: <https://doi.org/10.1080/15397734.2024.2379521>, **MDE2024J0032**.
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  - Ghanistha Narang, **Mona Aggarwal\***, Hemani Kaushal, Atul Kumar, Swaran Ahuja and Neeraj K Shukla (2024) 'Performance Evaluation of Dual Hop Mixed FSO RF System Using Differential Chaos Shift Keying With Secrecy Analysis', *IEEE Transactions on Vehicular Technology*, Doi: <https://ieeexplore.ieee.org/document/10606305>, **MDE2024J0034**.
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  - Veepan Kumar\*, **Prem Vrat** and Ravi Shankar (2024) 'Managing Implementation Issues in Industry 4.0: A soft Systems Methodology-Based Approach', *Systemic Practice and Action Research*, Doi: <https://doi.org/10.1007/s11213-024-09686-y>, **MOC2024J0009**.
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  - Suraj Prakash\* and **Tavleen Kaur Khurana** (2024) 'Regulatory Challenges and Legal Framework of Insider Trading in the Indian Securities Market: An Economic Perspective', *Cahiers Magellanes-NS*, Vol. 6, No. 1, pp. 1663-1682, **SOL2024J0013**.
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  - Nitika Kaushik\* and Poonam Arora (2020) 'Performance Appraisal in the Era of New Normal', *Journal of Technology Management for Growing Economies*, Vol. 11, No. 1, pp. 11-15, **MOC2024J0008**.
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  - Purva Mittal\*, Ishtiyaque Ahmed, **Saumya Sharma** and Kanishka Sangwan (2024) 'Understanding the Interplay of Healthcare Management and its Impact on Voting Behavior', *INSPA Journal of Applied and School Psychology*, Vol. 5, No. Special Issue, pp. 214-224, **MOC2024J0011**.
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  - **Unanza Gulzar\*** (2024) 'The Legal Framework for Promoting Green Inventions and Renewable Energy Sources: An Analysis', *Kashmir Journal of Legal Studies*, Vol. 11, No. 1, pp. 187-196, **SOL2024J0008**.

- **Himangshu Rathee\*** (2024) 'Roadmap to Standardization of Health Policy in States: A Constitutional Response', CPJ Law Journal, Vol. 15, No. 2, pp. 65-74, **SOL2024J0009**.
- **Himangshu Rathee\*** (2024) 'Sporting Bodies and Justiciability of Fundamental Rights For Selection Process: A Judicial Discourse Analysis', Global Sports Policy Review, Vol. 3, No. 1, pp. 1-9, **SOL2024J0010**.
- **Unanza Gulzar\*** (2024) 'Comprehending Role of ADR in Resolving Disputes in E-Commerce', CPJ Law Journal, Vol. 15, No. 1, pp. 99-106, **SOL2024J0011**.

## Book Chapters

- Yachana Gupta, **Aditya Sharma** and Chandra Mouli Pandey\* (2023) 'Nanopapers-Based Biosensors for Point-of-Care Diagnostics' in Handbook of Nanobioelectrochemistry: Application in Devices and Biomolecular Sensing, Chapter 18, pp. 383-411, Springer Nature Singapore, ISBN-978-981-19-9436-4, **APS2024BC0001**.
- Ankita Gupta\*, **Rita Chhikara** and Prabha Sharma (2024) 'A Comparative Analysis of Different CNN Models for Spatial Domain Steganalysis' in Deep Learning Techniques for Automation and Industrial Applications, Chapter 8, pp. 109-127, Wiley, ISBN-9781394234271, **CSE2024BC0015**.
- Rishika Mehta\*, Jyoti Sahni and Kavita Khanna (2024) 'Patterns in IoT-Based Healthcare: Trends, Challenges and Future Directions' in Pioneering Smart Healthcare 5.0 with IoT, Federated Learning and Cloud Security, Chapter 3, pp. 32-43, IGI Global, ISBN-9798369326398, **CSE2024BC0016**.
- Rishika Mehta\*, Kavita Khanna and Jyoti Sahni (2022) 'IoT in Healthcare: A 360-Degree View' in IoT for Sustainable Smart Cities and Society, Chapter 4, pp. 85-106, Springer, ISBN-978-3-030-89553-2, **CSE2024BC0017**.
- Sania Chaudhary, Neha Sindhu and **Garima Sharma\*** (2024) 'Evaluation of Security Risks and Countermeasures in Blockchain Generations 1.0, 2.0, and 3.0' in Ensuring Security and End-to-End Visibility Through Blockchain and Digital Twins, Chapter 12, pp. 194-223, IGI Global, ISBN-9798369346105, **CSE2024BC0018**.
- Pragya Guru, **Nitin Malik\*** and Sheila Mahapatra (2024) 'Efficient Integration of Distributed Generation in Radial Distribution Network for Voltage Profile Improvement and Power Loss Minimization via Particle Swarm Optimization' in The Internet of Energy: A Pragmatic Approach Towards Sustainable Development, Chapter 11, pp. 207-225, Apple Academic Press, ISBN-9781774914182, **CSE2024BC0019**.
- Manish Katariya, **Akanksha Mathur\*** and **Satnam Singh** (2024) 'Human-Robot/Machine Interaction for Sustainable Manufacturing Industry 5.0 Perspectives' in Handbook of Intelligent and Sustainable Manufacturing Tools, Principles, and Strategies, Chapter 2, pp. 18-38, CRC Press, Taylor & Francis, ISBN-978-1-003-40587-0, **MDE2024BC0003**.
- **Vaishali Sahu\***, Abhishek, Yash and Niragi Dave (2024) 'Ecobricks - A sustainable solution to plastic waste' in Innovation in smart and sustainable infrastructure, Chapter 30, pp. 383-393, Lecture Notes in Civil Engineering, Springer, ISBN-978-981-99-3557-4, **MDE2024BC0004**.
- Minakshi Sehrawat\* and **Deergha Sharma** (2024) 'Female Entrepreneurship, Institutional Support and Accomplishments: A Review' in Women Entrepreneurship Policy, Chapter 12, pp. 217-233, Springer, Singapore, ISBN-978-981-97-3606-5, **MOC2024BC0004**.
- Minakshi\* and **Preeti Chawla** (2024) 'Gist of Insurance: The Future Financial Shock Absorber and Growth Developer of India' in Emerging Issues in Banking, Insurance, Micro finance & Financial Inclusion, Chapter 8, pp. 111-124, BLOOMSBURY, ISBN-978-81-96656-87-4, **MOC2024BC0005**.
- Bhagya Lakshmi\* and **Preeti Chawla** (2024) 'Forensic Accounting in India: An Overview' in Emerging Issues in Accounting, Finance and Capital Markets, Chapter 9, pp. 110-125, Bloomsbury, ISBN-978-81-96656-89-8, **MOC2024BC0006**.
- **Rituparna Bhattacharjee\*** (2024) 'The Gavel and The Green: Legal Strategies for Climate Change in India' in Legal Crossroads Navigating Current Issues in Law and Society, Chapter 13, pp. 122-129, Walnut Publication, ISBN-979-8-89171-110-5, **SOL2024BC0004**.
- Mridula Thakur\* and **Unanza Gulzar\*** (2024) 'Effects of Climate Change on Agriculture and Role of Innovative Practices in Mitigating Its Negative Impact' in Innosustain: Balancing the Interest of the society in the light of SDGs, Chapter 10, pp. 163-169, Prageet Printer, ISBN-978-81-971248-2-2, **SOL2024BC0005**.
- **Rituparna Bhattacharjee\*** (2024) 'India's Fantasy Frenzy: Games, Growth, and the Gray Areas' in Convergence in Law-A Multidisciplinary Odyssey (Vol 2), Chapter 2, pp. 12-22, Ink and Gravel Publications, ISBN-978-81-969364-1-9, **SOL2024BC0006**.
- **Tavleen Kaur Khurana\*** (2024) 'Elderly Care through Technology Driven Initiatives In India: Addressing the Present-Day Disconnect' in Rights of Elderly People In India: Challenges and Priorities, Chapter 4, pp. 59-74, National Law University, Delhi Press, ISBN-978-93-84272-53-1, **SOL2024BC0007**.
- **Deborisha Dutta\***, Ipsita Singh (2024) 'Safeguarding the Planet in the Age of Artificial Intelligence: A Wager Between Technology' in Contemporary Issues and Challenges in Environmental Legislations in the Current Decade (2020-2029), Chapter 15, pp. 130-140, Lex Assisto Media and publication, ISBN-978-81-970856-5-9, **SOL2024BC0008**.

## Conference Proceedings

- **Bhavana Sharma\***, **Hukum Singh** and Mehak Khurana (2024) 'A Nonlinear Cryptosystem Based on Structure Phase Masks, QZ Modulation, Using Gyrator Transform Domain', International Conference on Intelligent Systems for Cybersecurity, pp. 1-5, **CSE2024P0012**.
- **Srishti Sharma\***, Shreyansika Jain, Saurabh and Satyam Kuhar (2024) 'Fake Currency Detection using Image Processing', International Conference on Intelligent Systems for Cybersecurity, pp. 1-6, **CSE2024P0013**.
- **Shraddha Arora**, Mrinal Pandey\*, Mamta Arora, Komal Gupta, Vineet Sharma and Lakshay Nagpal (2024) 'Digitization of Health Insurance Documents for The Cashless Claim Settlement Using Intelligent Document Management System', Procedia Computer Science (International Conference on Machine Learning and Data Engineering), pp. 1319-1331, **CSE2024P0014**.
- Sandeep Sharma, **Prachi\***, **Rita Chhikara** and Kavita Khanna (2024) 'Dynamic Analysis-Based Android Malware Detection Using ANN and RFE Feature Selection', 5th International Conference on Advances in

Computing, Communication Control and Networking, pp. 1504-1509, **CSE2024P0015**.

- Srishti Vashishtha\*, Sarthak Jain, Sujal, Sunny Singh, Vasu Gupta and **Shaveta Arora** (2024) 'Digitalization of Objects Using Augmented Reality and Machine learning - A Secure and Seamless Approach', International Conference on Intelligent Systems for Cybersecurity, ISCS 2024, pp. 1-5, **CSE2024P0016**.
- Rituraj, **Shaveta Arora\***, Rohan Nandal and Rohit (2024) 'Analyzing Customers Buying Behavior Before and After COVID-19 Using Association Rule Mining and Machine Learning', 2nd International Symposium on Sustainable Energy and Technological Advancements, pp. 113-122, **CSE2024P0017**.
- **Monika Lamba\***, Geetika Munjal and **Yogita Gigras** (2024) 'Prediction of Breast Cancer Grade Using Explainable Machine Learning', Proceedings of the 12th International Conference on Soft Computing for Problem Solving, pp. 733-745, **CSE2024P0018**.
- Anu Yadav\*, Prabha Sharma and **Yogita Gigras** (2024) 'A Comparative Study of Elliptic Curve and Hyperelliptic Curve Cryptography Methods and an Overview of Their Applications', International Conference on Intelligent Systems for Cybersecurity, ISCS 2024, pp. 1-6, **CSE2024P0019**.
- Anjali Dhamiwal, Shubham\* and **Shilpa Mahajan** (2024) 'Adversarial Machine Learning for Blockchain Security', International Conference on Intelligent Systems for Cybersecurity, pp. 1-5, **CSE2024P0020**.
- Happy\*, **Rita Chhikara** and **Neeti Kashyap** (2024) 'A Comparative Analysis of Machine Learning Prediction Algorithms for Detecting IoT Botnet Activities', International Conference on Intelligent Systems for Cybersecurity, pp. 1-6, **CSE2024P0021**.
- **Monika Yadav\*** and **Garima Sharma** (2024) 'Optimizing Cloud Security in Dynamic Environments Through Adaptive Workload Management Algorithm', International Conference on Intelligent Systems For Cybersecurity, pp. 1-7, **CSE2024P0022**.
- **Soumya Sharma\***, Srishti Sharma and Deepak Gupta (2024) 'Multimodal Sentiment Analysis and Multimodal Emotion Analysis: A Review', Proceedings of Third International Conference on Computing and Communication Networks, pp. 371-382, **CSE2024P0023**.
- Jonika Lamba\*, Esha Jain, **Priyanka Banerjee** and **Monika Lamba** (2024) 'Forecasting the Dynamics of Stock Market Prices during COVID 19: An Application of ARIMA Modelling Using Python', International Conference on Intelligent Systems for Cybersecurity, pp. 1-6, **MOC2024P0001**.
- Note: \* for Corresponding Author

## Call For Proposals

S.No	Call for Proposal	Last Date to Apply
1.	Department of Science & Technology (DST) - India EU Joint Call for Proposal	27.09.2024

## From the Psychologist's Desk...

### Building Resilience in Challenging Times

In today's fast-paced world, resilience – the ability to bounce back from adversity – is more crucial than ever. As we face various challenges in our

academic and personal lives, understanding and developing resilience can make all the difference.

Resilience is not about avoiding difficulties but learning how to manage and grow from them. It involves maintaining a positive outlook, believing in your ability to overcome obstacles, and managing emotions effectively.

### Key Components of Resilience

1. **Optimism:** Focus on what you can control and look for opportunities within challenges.
2. **Self-Efficacy:** Believe in your ability to handle difficulties and achieve your goals.
3. **Emotional Regulation:** Use techniques like mindfulness or deep breathing to stay calm in stressful situations.
4. **Social Support:** Lean on your network of friends, family, and colleagues for support and encouragement.

### Tips for Building Resilience

1. **Practice Mindfulness:** Stay present and manage stress through meditation or deep breathing.
2. **Set Realistic Goals:** Break down challenges into manageable tasks to build momentum.
3. **Embrace a Growth Mindset:** View setbacks as learning opportunities rather than failures.
4. **Stay Connected:** Regularly reach out to your support network for perspective and support.
5. **Prioritize Physical Health:** Maintain a balanced diet, exercise regularly, and get enough sleep.

### Conclusion

As we navigate the academic year, resilience will help us not just survive, but thrive. Reflect on how you can strengthen this skill in your life and support others in doing the same.

Here's to a resilient and successful month ahead!

*Ms. Priyanka Bhalla*

*Psychologist*

*The NorthCap University*

## Outreach Activities of Prof. Prem Vrat, Pro-Chancellor, Professor of Eminence and Chief Mentor, The NorthCap University, Gurugram, Haryana



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

- Prof. Prem Vrat had a meeting with Director and Dean of Corporate Communications of IIT (ISM) Dhanbad on 08th August, to discuss the vision and strategy of IIT (ISM) Dhanbad for Viksit Bharat@2047 as required by the Secretary Higher Education, Ministry of Education, Government of India. The meeting was held at IIT Delhi.
- Prof. Prem Vrat was invited as Chief Guest in the Inaugural ceremony of Two Days Executive Development Programme (EDP) on 'Safety in Oil and Gas Industry' and during the programme Prof. Vrat has also delivered the speech on the topic "Current Workflows in the Oil and Gas Industry" and the programme was organized by IIT (ISM) Dhanbad at their IIIF Centre in New Delhi on 08th August, 2024.
- Prof. Prem Vrat attended the Birth Centenary Memorial Lecture of Shri Ram Niwas Mirdha, former Dy. Speaker and Cabinet Minister, Government of India at MSIT on 24th August, 2024. Mrs. Kamaljeet Sehwari (Member of Parliament, Lok Sabha) was the Chief Guest at the event.
- As Chairman of AICTE's MOU Committee Prof. Prem Vrat chaired the MoU Assessment meeting of AICTE at their Headquarter in New Delhi on 30th August, 2024.
- Prof. Prem Vrat delivered an Expert Talk on the theme "Improving Education Quality in HEI" at K.R. Mangalam University on 31st August, 2024.
- As its Honorary Professor, Prof. Prem Vrat delivered lectures on Supply Chain Management at IIT Delhi in the month of August 2024.

## Outreach Activities of Prof. Nupur Prakash, Vice Chancellor, The NorthCap University, Gurugram, Haryana



**Prof. Nupur Prakash**  
Vice Chancellor

- Prof. Nupur Prakash attended a meeting at Raj Bhawan, Chandigarh under the Chairmanship of Governor, Haryana on 13th August, 2024. The agenda of the meeting was to review the progress regarding implementation of important parameters of NEP-2020.
- Prof. Nupur Prakash delivered a keynote address at IEEE Delhi Section organized at The NorthCap University on 24th August, 2024.
- On 28th August, Prof. Nupur Prakash attended the AIU webinar on Internationalizing Higher Education on the topic Enabling International Collaboration for Quality Education at Scale.





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