Newsletter

June 2024

THE NORTHCAP UNIVERSITY

(For Internal Circulation only)

ASIC Inspection at NCU

An inspection team of the coveted ASIC visited The NorthCap University on 29th and 30th May for the re-accreditation of the university. The team consisted of Ms. Florence Waniwa (Customer Support Manager, ASIC, UK), and Dr. Hardik Vachharajani (Professor and Director of Quality Management and Benchmarking, Symbiosis International University, Pune).

During their visit, Ms. Waniwa and Dr. Vachharajani interacted with senior university leaders, faculty members, a few of our students, and administrative staff. These dialogues provided invaluable insights and fostered a collaborative spirit aimed at enhancing the university's academic and administrative standards. The guests were particularly impressed by the dedication and enthusiasm of the university community, reflecting a commitment to excellence in education.

The visit also included a tour of the campus, showcasing NCU's state-of-the-art facilities, lush green surroundings, and innovative learning environments. Ms. Waniwa and Dr. Vachharajani appreciated the university's efforts in creating a conducive atmosphere for holistic student development and academic growth. Their visit was a significant milestone for The NorthCap University, underscoring its ongoing journey towards achieving higher standards of quality and international recognition in the field of education.

District Green Championship Award 2024 -2025

On the occasion of World Environment Day (celebrated on 5th June each year), The NorthCap University has been awarded the District Environment Award 2024-25 by the National Edutrust of India for its remarkable achievement in promoting environmental conservation and sustainability.

Winning this prestigious award is a testament to the dedication, innovation, and commitment to making a positive impact on the environment. The efforts of the university have not only raised awareness about environmental issues but have also inspired others to take action towards creating a more sustainable future.

Visit to Indian Aviation Academy

A team of officers composed of Dr. Vaishali Sahu (Dy. Director, IQAC), Mr. Vikas Narula (Director, CPAA) and Ms. Neetu Batra (Assistant Registrar) and students of The NorthCap University visited Indian Aviation Academy on 10th May for the inauguration of the internship and training programme "Pradipti" launched by The Airport Authority of India, Govt. of India.

NCU has signed an MoU with the Airport Authority of India for training and internship of our students. This collaboration was initiated by the IQAC office (Dr. Vaishali Sahu and Dr. Satnam Singh) and presents an excellent opportunity for The NorthCap University to further enhance the practical learning experiences of our students and foster a mutually beneficial relationship between our institutions.

Department of Multidisciplinary Engineering

Best Project Awards in Technovation 2024

The Department of Multidisciplinary Engineering has excelled at the recently held Technovation 2024, with several teams contesting for the Best Project Award. Team projects were evaluated on the parameters of like Financial Viability, Originality, Customer Applicability, Usefulness to Society, Sustainability, and Structured Approach. These projects showcased exceptional innovation and future applicability. The 1st position was secured by the project titled 'Mini E-Bike With Intelligent Braking System' by Pulkit Batra (20MEU006) under the guidance of Dr. Akanksha Mathur and Dr. Satnam Singh. Students' active

participation, inquisitive innovations and achievements highlight the dedication and innovation of our students and faculty.

World Environment Day Celebrations

On 5th June, the Department of Multidisciplinary Engineering celebrated World Environment Day with the theme 'Land Restoration, Desertification, and Drought Resilience.' The event, coordinated by Mr. Lokesh Choudhary and Dr. Akanksha Mathur, included a series of engaging activities, wherein participants planted trees, watched an informative thematic video, and took part in an exciting quiz. The celebration concluded with an oath-taking ceremony, reinforcing the commitment to environmental preservation and sustainable practices. The event succeeded in raising awareness and inspiring action towards land restoration and resilience against desertification and drought.

School of Law

Workshop on the Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013

On 4th June, School of Law conducted a comprehensive workshop on the Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013 for over 100 faculty and staff members of S.D. Memorial Senior Secondary School, Gurugram. The training aimed to educate participants about the POSH Act, ensuring a safe and inclusive work environment. Esteemed faculty members Prof. (Dr.) Archana Sarma, Dr. Pallavi Bajpai, Dr. Unanza Gulzar, Ms. Arushi Anthwal, and Mr. Himangshu Rathee led sessions covering the Act's provisions, identifying harassment, the complaint mechanism, and preventive measures. Interactive discussions and Q&A sessions enhanced understanding and engagement. This workshop reinforced the institutions' commitment to POSH Act standards. The workshop was effective, comprehensive, and appreciated. The NorthCap University remains dedicated to supporting similar initiatives and fostering compliance with the POSH Act.

Collaborative Training Programme on the New Criminal Laws of 2023 for Haryana Police Personnel

On 14th June, School of Law organised a comprehensive collaborative training programme on the New Criminal Laws of 2023, aiming at police personnel to update them on recent legislative changes and their implications. The event featured two enlightening sessions – Session I, conducted by Ms. Kanika Kaushik, delved into the intricacies of the Bharatiya Nayaya Sahita (BNS), 2023, highlighting its transformative objectives such as modernising the criminal justice system and enhancing efficiency and transparency. Session II, led by Prof. (Dr.) Archana Sarma, explored the Bharatiya Nagrik Suraksha Sahita (BNSS), 2023, and and Bharitya Sakshaya Adhinayam, 2023 covering critical aspects like e-FIR filing, zero FIR concept, and the importance of evidence chain custody, stressing the need for diligent enforcement.

Overall, the programme served as a platform to deepen understanding of new criminal laws, equip personnel with necessary skills, and promote legal literacy and efficacy in the criminal justice system, reflecting The NorthCap University's commitment to such initiatives.

Department of Computer Science & Engineering

FDP on Gen AI in collaboration with AWS Academy

From 10th-14th June, the Department of CSE organised a 5-day Faculty Development Programme on Generative AI in collaboration with AWS Academy. The FDP marked a significant journey of exploration and learning, covering theoretical concepts and hands-on training on Generative AI using the AWS Academy Platform. Led by Ms. Akanksha Rai Sharma (Technical Lead, AWS Academy), the programme aimed to equip educators with cutting-edge knowledge and practical skills. The event was coordinated by Dr. Prerna Singal and Dr. Garima Sharma under the guidance of Prof. Rita Chhikara (Head, CSE).

Summer Internship on Microsoft Azure Programme

From 1st to 12th June 2024, the Department of CSE, in collaboration with Unique Training Solutions (UTS) organised a summer internship and certification programme on Microsoft Azure AI-900. In this programme, students gained essential AI and Cloud Computing skills to excel in this digital era. Under this programme, 95+ B.Tech 2nd and 3rd year students have obtained the Microsoft Azure AI-900 certification, validating their understanding of core AI concepts. This programme was coordinated by Dr. Nishu, Dr. Srishti and Ms. Neetu Singla under the guidance of Prof. Rita Chhikara (Head, CSE).

Workshop titled 'From Access to Action: Exploring NCU Library E-Resources for Effective Teaching and Research'

From 11th-13th June, the Central Library of NCU organised a three-day workshop for the know-how of accessing all e-resources subscribed to by the library. The workshop aimed at making faculty members and research scholars aware of the plenty of resources they have access to and how, through these databases and research articles, they can enhance the effectiveness

of their teaching and research work. Various new initiatives of the publishers regarding access to online courses, e-books, and accessing articles through mobile apps were discussed by the speakers.

Dedicated speakers for e-databases like Springer, EBSCO, ProQuest, Manupatra, Westlaw and Koha OPAC were invited to give tips on how to efficiently access the research data and resources. In-house speakers Dr. Vandana Khanna, Mr. Ishwar Singh and Dr. Anil Jharotia gave a comprehensive overview of all types of e-resources, including how to access from a single Koha OPAC interface, VPN access facility, DELNET subscription, among others. The event was coordinated by Dr. Anil K. Jharotia and Dr. Vandana Khanna.

Community Service Events

- On 28th May, a funding of ₹1,00,000 was granted to UBA NCU by The Unnat Bharat Abhiyan National Coordinating Institute, IIT Delhi, under Unnat Bharat Abhiyan for the project titled 'Integrated and Optimised Fermentation Equipment for Community Cow Dung Manure', to be executed in the NCU UBA Network village Sardana. The completion of the project is expected to take 6 months. The investigators for the same are Dr. Vaishali Sahu and Ms. Akanksha Kaushik. This project aims to enhance the solid waste management in the village and shall involve collaboration with local farmers and stakeholders to ensure effective implementation and long-term benefits.

- On 1st May, Club Manovriti organised an awareness session on the benefits and importance of organ donation in collaboration with Mohan Foundation and CII-YI, a registered NGO that encourages people to be certified organ donors by spreading awareness about who are eligible for organ donation. The session was conducted by Mr. Anuj Nagpal (Regional Head, CII), Ms. Pallavi Kumar of Mohan Foundation and CA Akshay Maheshwari (Chapter Chair, Gurugram). The sessions were also attended by Ashu Diwan (Chair Yuva) and Dr. Amodita (Chair Health).

- On 21st June, members of the Legal Aid Society organised an awareness campaign about the upcoming Lok Adalat organised by the Supreme Court of India, set to take place from 29th July to 3rd August, 2024. This initiative aimed to inform and educate the public about the benefits and accessibility of Lok Adalat as an alternative dispute resolution mechanism. To spread awareness the members distributed pamphlets, particularly targeting individuals aggrieved by matters such as cheque bounce, family law, labour law, and more. The Legal Aid Society's efforts are geared towards ensuring that more people are aware of and can take advantage of this accessible justice platform.

Faculty Achievements and Outreach

- On the occasion of World Environment Day, Dr. Vaishali Sahu was conferred with the Award of Honour for Best Teacher by National EduTrust of India for integrating sustainability at the campus and instilling environmental consciousness in the students.

- Dr. Vaishali Sahu was invited for a keynote session during the International Conference on Smart City and Information System co-hosted by the Faculty of Computing, Universiti Teknologi Malaysia (UTM), and the University of Salamanca during 17th-19th May 2024 in Kuala Lumpur, Malaysia. She delivered an online session titled 'Integrating IoT for Efficient Waste Management in Urban Environments.'

- Mr. Himangshu Rathee and Ms. Arushi Anthwal successfully completed the 1-Week Faculty Development Programme titled 'Advancing Legal Understanding - Embracing the Three New Criminal Laws' from 28th May to 3rd June, organised by School of Criminal Law & Military Law, Rashtriya Raksha University, Gujrat.

- Dr. Vaishali Sahu was invited as an External Examiner for the MTech dissertation in Civil Engineering at Manav Rachna International University on 24th May, and at SGT University on 28th June.

- Mr. Lokesh Choudhary attended a one-day workshop titled 'PowerPoint Using AI' organised by Skill Nation, India on 8th June. The workshop was highly informative, providing in-depth knowledge about integrating artificial intelligence into PowerPoint presentations.

- On 20th May, Prof. (Dr.) Archana Sarma was invited as a Resource Person to conduct an Awareness Session on New Criminal Laws for the Faculty, Staff and Students at NIT Delhi.

- Prof. (Dr.) Archana Sarma was invited to judge the Final Round of Intra-Department Moot Court Competition organised by the Department of Law, Maharaja Surajmal Institute on 30th April.

- Dr. Yogita Gigras received a certificate of achievement for successfully completing the course 'Introduction to the Use of Artificial Intelligence in Higher Education' from Cintana Education.

- Ms. Vandana attended a Faculty Development Programme titled 'AI Evolution: From Foundations to Generative AI' from 3rd-10th June, hosted by Association of Indian Universities (AIU) & Sri Sri University, Odisha.

- Following faculty members have attained certification as an AWS Certified Cloud Practitioner from March to June 2024, marking a notable achievement that reflects their dedication to professional advancement – Dr. Meghna Sharma, Dr. Shaveta Arora, Dr. Poonam Chaudhary, Dr. Srishti Sharma, Dr. Prerna Singal, Dr. Garima Sharma, Dr. Neeti Kashyap, Dr. Pankaj Rakheja, and Ms. Monika Yadav.

- Following faculty members have attained certification for 'Data Structures using Java' from January to June 2024, marking a notable achievement that reflects their dedication to professional advancement – Dr. Neeti Kashyap, Dr. Mehak Khurana, Dr. Shilpa Mahajan, Dr. Nishi Gupta, Dr. Anuradha Dhull, Dr. Yogita Gigras, Dr. Aarti, Dr. Pankaj Rakheja, Ms. Monika Yadav, Dr. Monika Lamba, Dr. Snehlata, Ms. Neetu Singla, Ms. Bhawna Sharma, Ms. Priya Arora, Dr. Prerna Singal, Ms. Kanika Gupta, Ms. Akanksha Kaushik, Dr. Anshu Malhotra, and Dr. Vandana Khanna.

- Dr. Anu Tonk completed the Flutter-Intermediate course from Udemy on 3rd May. The course provided in-depth instructions on building sophisticated applications using Flutter for efficient cross-platform development. It covered advanced Dart programming, state management, animations, custom widgets, and integration with backend services for creating comprehensive and scalable applications.

Students' Achievements

- The Department of Computer Science and Engineering is delighted to announce the outstanding achievement of its student, **Disha Taneja (21CSU391)**, who has cleared the NPTEL Certification Course **'Psychology of Stress, Health and Wellbeing'** with a consolidated score of 99%. She has been ranked in the top 1% of total students (6532) who have been certified in this course.

- The Department of Computer science and engineering delighted to announce the outstanding achievement of its student **Nandini Pachauri (20csu069)** who has won the prestigious **Outstanding Student Volunteer Award from IEEE Delhi section** for her outstanding contributions to the IEEE Student Branch of The NorthCap University. The award was presented during the Students Awards Ceremony, held on 26th May at Jamia Millia Islamia, New Delhi.

- The Department of Computer science and Engineering is delighted to announce the outstanding achievement of its student **Aarjav Vajpayee (20csu001)** who has won the prestigious **JK Pal Memorial Award** from **IEEE Delhi Section** for his outstanding contributions to the IEEE Student Branch of The NorthCap University. The award was presented during the Students Awards Ceremony, held on 26th May at Jamia Millia Islamia, New Delhi.

- The Department of Computer science and Engineering is delighted to announce the outstanding achievement of its student **Dhruv Agarwal (21CSU155)** and his team for their recent participation in the **WorldQuant International Quant Championship 2024**. This is a global competition designed to identify and reward top quantitative researchers and data scientists. Participants used the WorldQuant Brain platform to develop and test trading signals using various datasets and advanced tools. The team secured a spot in the Top 20% of teams globally and earned an approximate cash prize of $35,000.

- The Department of Computer Science and Engineering is delighted to announce the outstanding achievement of its students **Anirudh Kataria (22CSU018)** and **Manya Kalra (22CSU114)** who have successfully completed the Microsoft Azure AI-900 certification in the month of June.

From the International Relations Office

Visit of delegates from University of Brighton, UK

NCU recently welcomed a delegation from the University of Brighton, UK, and had the pleasure of hosting Ms. Rachael Carden (SFHEA, CMBE), Dean of the School of Business & Law, and Ms. Upasana Handa, Country Manager (Indian Representative). Representing NCU were leaders Prof. Swaran Ahuja (Academic Advisor), Prof. Sharda Vashisth (Dy. Dean - International Affairs and Head, MDE), Mr. Vikas Narula (Director CPAA), Dr. Pooja Sabherwal (Coordinator, International Affairs), and Ms. Pramila Singh (Coordinator, International Affairs).

Potential collaborations in various areas, including, dual and joint degrees, semester exchange, student and faculty exchange, research collaborations and immersion programmes were discussed. NCU looks forward to a fruitful partnership with University of Brighton that shall bring immense opportunities for our students and faculty.

Meeting with delegates of NTHU & TCFST

On 24th June, The NorthCap University had a productive meeting with delegates from **National Tsing Hua University (NTHU) and the Tze-Chiang Foundation of Science & Technology (TCFST), Taiwan**. Aimed at fostering collaborations between **NCU, NTHU, and TCFST, NCU** hopes to build a strong, mutually beneficial relationship that enhances the educational experiences and research capabilities of all institutions involved.

Attendees included Prof. Chang Chun Lee (CEO, TCFST), Dr. Wei-Chung Wang (Director, Centre of India Studies, NTHU), Dr. Yu Hua Huang (Director, TCFST, Taiwan), and Prof. Mohan B Rao (Consultant TEC-NTHU, Taiwan and Chairman, CII WR Taskforce for Education). From NCU, Prof. Sharda Vashisth (Dy. Dean - International Affairs and Head, MDE), and Dr. Pooja Sabherwal (Coordinator, International Affairs) participated.

Centre of Professional Attachment & Alumni Engagement (CPAA)

In the month of June, the CPAA took part in several engagements of significance. The team participated in several events to build professional networks and represented NCU at these events.

- Mr. Vikas Narula (Director, CPAA), along with select B.Tech students, attended the CII Automotive Aftermarket Conclave. The event contributed to raising awareness of the variety of employment opportunities and career paths found in the automotive aftermarket industry. Making connections with powerful individuals in the industry also helped with the development of a professional network. This event assisted the students in discovering the latest tools, technologies, and best practices that can improve their technical abilities and supplement their academic learning.

- A team from the Accreditation Service for International Colleges (ASIC), UK, visited the NCU campus on 29th and 30th May for the renewal of the university's accreditation. The CPAA team played an important and instrumental role in organising the meet-and-greet with alumni and industry partners, facilitating meaningful interactions with the ASIC team.

- Select team members from CPAA attended FICCI Conference on Business-Friendly Cities in Delhi. Attending this event provided a platform to network with industry leaders, policymakers, and other stakeholders in urban development and smart infrastructure. Networking with professionals at the event helped in exploring internships, job offers, and collaborative research opportunities for students.

- The ELF Media organised 'Innovate Higher Education Summit', which was attended by Mr. Vikas Narula (Director, CPAA). A stellar roster of speakers and luminaries from the education community were present at the event. Being present at this summit helped NCU become more visible among prospective partners as well as in the academic community. Additionally, it facilitated communication with educators, administrators, industry leaders, and policymakers.

From the Psychologist's Desk

This month, we celebrated International Yoga Day on June 21st – a global event that highlights the transformative power of yoga. Yoga is generally seen as a form of exercise which can help us physically and many of us are already aware of the various physical benefits of yoga- enhanced flexibility, better posture and improved strength are often the first things that come to mind.

However, there is not much talk about how Yoga is also a powerful tool for our minds. The mental benefits of Yoga are often overlooked and hence I take this opportunity to reach out to all of you to shed light on this topic.

According to the World Health Organisation (WHO), mental health problems are the single cause of disability worldwide. However various research has shown that, by incorporating yoga into our lives, we can cultivate a sense of calm, improve our focus and concentration, and enhance our overall well-being. Yoga is not just a physical exercise; it is a holistic practice that integrates body, mind and spirit.

Some of the common benefits of Yoga on one's mental health include:
»   Stress Reduction
»   Enhanced Concentration
»   Greater Emotional Resilience
»   Improved Sleep
»   Reduced Anxiety and Depression

As we continue to celebrate the spirit of International Yoga Day, let's remember to honour not only the physical but also the various mental benefits that yoga brings in one's life.

Wishing you all peace, clarity, and balance on and off the mat!

Ms. Priyanka Bhalla
Psychologist
The NorthCap University

Patents

1	202411042567 A	Published	Dr. Shilpa Mahajan and Dr. Garima Sharma	Underwater Disaster Management System	6/7/2024	The NorthCap University
2	202411044004 A	Published	Dr. Aditaya Sharma Ghrera and Mr. Manoj	Ti3c2txmxene/ Ortho-phenylenediamine for molecularly imprinted electrochemical sensing platform	6/21/2024	The NorthCap University
3	202421039122	Published	Dr. Neha Jain	Access the impact of CSR initiatives on organisational reputation and financial performance	6/21/2024	The NorthCap University

Journal Publications

- Kalpana Ladi and **Aditya Sharma Ghrera*** (2024) 'Development of Electrode By Using Gold-Platinum Alloy Nano¬particles For Electrochemical Detection of Serum Amyloid A Protein', Journal of Electrochemical Science and Engineering, Doi: https://pub.iapchem.org/ojs/index.php/JESE/article/view/2036, **APS2024J0018**.

- Nidhi Agrawal* and **Bharti Arora*** (2024) 'Synthesis of Form-Stable Phase Change Materials for Application in Lunch Box to Keep the Food Warm', Current Materials Science, Doi: 10.2174/0126661454300484240523110321, **APS2024J0019**.

- **Hukum Singh*** and Poonam Yadav (2024) 'An Optical Vortex-Based Asymmetric Cryptosystem Using QZ Modulation for the Double Image Encryption in the Gyrator Transform', Iran Journal of Computer Science, Doi: https://doi.org/10.1007/s42044-024-00196-7, **CSE2024J0012**.

- **Nidhi Malik**, Neeti Sangwan, Navdeep Bohra*, Ashish Kumari, Dinesh Sheoran and Manya Dabas (2024) 'HyperSegRec: Enhanced Hypergraph-Based Recommendation System With User Segmentation and Item Similarity Learning', Cluster Computing-The Journal of Networks Software Tools and Applications, Doi: https://doi.org/10.1007/s10586-024-04560-x, **CSE2024J0013**.

- **Monika Lamba*, Yogita Gigras** and Geetika Munjal (2024) 'IBCBML: Interpreting Breast Cancer Biomarker Using Machine Learning', Health and Technology, Vol. 14, pp. 725-746, **CSE2024J0014**.

- **Aman Garg***, Li Li and Anshu Sharma (2024) 'Free Vibration Analysis of Bio-Inspired Double-And Cross-Helicoidal Laminated Composite Plates', Mechanics Based Design of Structures and Machines, Doi: https://doi.org/10.1080/15397734.2024.2357755, **MDE2024J0025**.

- Kamna Sharma, **Mona Aggarwal*** and **Pooja Sabherwal** (2024) 'Performance Analysis of Variable-Gain Amplify and Forward Relayed Hybrid FSO/VLC Communication System', Journal of Optical Communications, Doi: https://doi.org/10.1515/joc-2024-0013, **MDE2024J0026**.

- Vikas Sharma*, Jaiinder Preet Singh, **Roshan Raman**, Gourav Bathla and Abhineet Saini (2024) 'Machine Learning Approach For Prediction Analysis of Aluminium Alloy on the Surface Roughness Using CO2 Laser Machining', Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Doi: https://doi.org/10.1177/09544089241231093, **MDE2024J0027**.

- Rekha Bishnoi* and **Sona Vikas** (2024) 'Role of Data Analytics in Human Resource Management: A Review and Bibliometric Analysis', Tec Empresarial, Vol. 19, No. 1, pp. 2669-2695, **MOC2024J0003**.

- **Akshat Aditya Rao*** and Manish Kumar Rao, (2024) 'An Empirical Study on the Role of Socioeconomic Status and Demographic Factors on Financial Literacy of Engineering Students', Pacific Business Review International, Vol. 16, No. 8, pp. 44-58, **MOC2024J0004**.

- Pranati Kapoor*, Shaveta Bhardwaj and **Samiksha Jain** (2024) 'Resilience and Aggression as Predictors of Mindfulness in Adolescents', Educational Administration: Theory and Practice, Vol. 30, No. 5, pp. 5745-5750, **PSY2024J0001**.

- Harshita Samota*, **Saumya Sharma,** Humera Khan, M. Malathy, Gurwinder Singh, Surjeet and R. Rambabu (2024) 'A Novel Approach to Predicting Personality Behaviour from Social Media Data Using Deep Learning', International Journal of Intelligent Systems and Applications in Engineering, Vol. 12, No. 15S, pp. 539-547, **SOM2024J0012**.

Books

- **Shaifali Ruhil**, Vandana Khanna, Neeraj Kumar Shukla* and Umesh Dutta (2024) 'Design of Low Leakage Quad Gate Stacked Nano-Sheets FinFET Device for Memory and Analog Circuits', pp. 1-156, Geh Press, ISBN- 979-8-9898623-9-9, **MDE2024B0003**.

- Sunil Kumar, Sunil Kadyan, **Chand Prakash*** and Renuka (2024) 'Strategic Perspectives in Contemporary Management', pp. 1-110, Bharti Publication, ISBN- 978-81-19757-73-2, **MOC2024B0001**.

Book Chapters

- **Nidhi Malik***, Komal Jindal, Shikha Verma and Siddhant Gupta (2024) 'Metaverse Dynamics: Exploring Industry Impacts and Educational Frontiers' in Educational Perspectives on Digital Technologies in Modeling and Management, Chapter 10, pp. 195-218, IGI global, ISBN-979-83-69323-14-4, **CSE2024BC0011**.

- **Aman Garg***, Paratibha Aggarwal and Yogesh Aggarwal (2024) 'Nanosilica in self-compacting concrete' in Alternative Cementitious Materials for Self-Compacting Concrete, Chapter 6, pp. 105-118, Elsevier, ISBN-978-0-323-95139-5, **MDE2024BC0002**.

- Sunil, Amit Dangi and **Chand Prakash*** (2024) 'Issues of Faculty's Workload in Management Education' in Strategic Perspectives in Contemporary Management, Chapter 7, pp. 88-99, Bharti Publications, ISBN-978-81-19757-73-2, **MOC2024BC0001**.

Conference Proceedings

- Muskan Bali, Vansh Mehta, Anshul Bhatia*, **Nidhi Malik** and Komal Jindal (2024) 'Bank Loan Approval Repayment Prediction System Using Machine Learning Models', 1st International Conference on Advancement of Intelligent Computational Methods and Technologies, pp. 61-65, **CSE2024P0007**.

- Saroj Dalwani, **Nidhi Malik*** and Priya Arora (2024) 'Ransomware Detection Using Machine-Learning Techniques', 1st International Conference on Advancement of Intelligent Computational Methods and Technologies, pp. 1-5, **CSE2024P0008**.

- Priya Arora*, Rashmi Gupta, **Nidhi Malik** and Anil Kumar (2024) 'Malware Analysis Types & Techniques: A Survey', Proceedings of the 5th International Conference on Information Management & Machine Intelligence 2023, pp. 1-6, **CSE2024P0009**.

- Alka Malik, **Nidhi Malik*** and Anshul Bhatia (2024) 'Improving Knowledge Representation Using Knowledge Graphs: Tools and Techniques', Intelligent Computing for Sustainable Development, 2023, pp. 381-396, **CSE2024P0010**.

- Ankita Gupta*, **Rita Chhikara** and Prabha Sharma (2024) 'Embedded Feature Selection Approach Using Penalised Logistic Regression for Universal Steganalysis', International Conference on Machine Learning and Data Engineering, pp. 1590-1599, **CSE2024P0011**.

Conference Presentations

- **Sujata** (2023) 'Mortality Prediction of Neonatal Due to Jaundice Using ML', International Conference on Multidisciplinary Research and Innovations in Engineering, KR Mangalam University, Gurugram, **CSE2024C0006**.

- Saranyaraja Muthumaniraja, **Payal Khurana** and **Divyabha Vashisht** (2024) 'Transforming Education: Analysing the Development and Influence of Automated Grading and Feedback Systems', 1st National Conference on Emerging Trends in Science and Technology, Government Engineering college, West Champaran, Bihar, **CLL2024C0020**.

Case Study

- Sunil Verma*, **Chand Prakash**, Gunjan Tripathi, Nitin Sharma (2024) 'Bindal Furniture: Crafting Dreams and Furniture', 824-0027-1, **MOC2024CS0001**.

Note: * for Corresponding Author

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

Prof. Nupur Prakash
Vice Chancellor

○ Prof. Nupur Prakash attended the Chetna Online Lecture Series based on the theme 'Cyber Security, Cyber Law, and AI Trends in Higher Education' on 5th June.

○ Prof. Nupur Prakash attended the MoU signing ceremony with Xebia on 5th June at The NorthCap University campus.

○ On 5th June, Prof. Nupur Prakash was invited as a judge at Technovation Finale, providing valuable insights and evaluations during the event.

○ Prof. Nupur Prakash visited the School of Engineering at Stanford University, Palo Alto, California, USA on 28th June, 2024.

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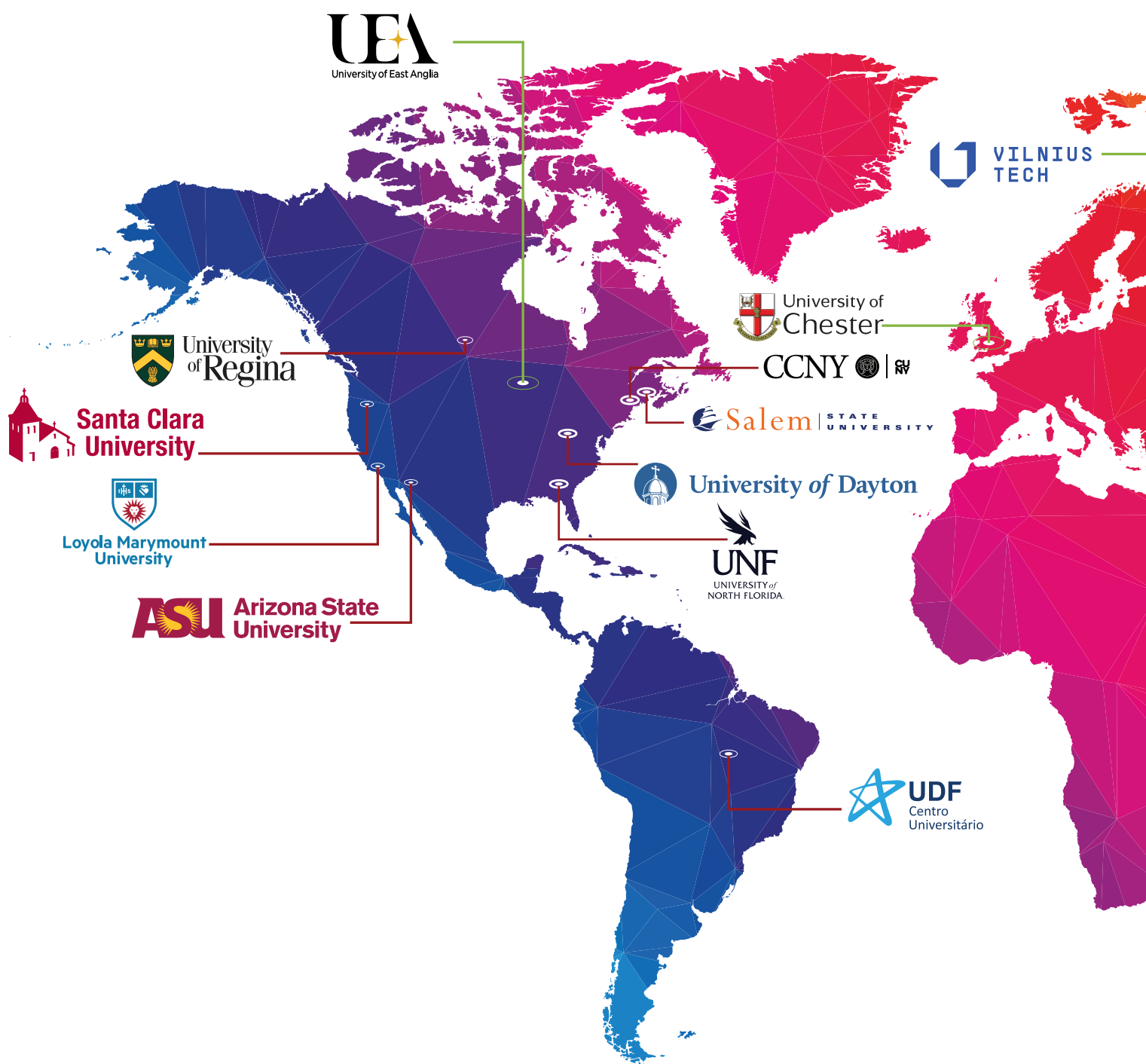
Prof. Prem Vrat
Pro-Chancellor,
Professor of Eminence
& Chief Mentor

◯ On 14th June, Prof. Prem Vrat attended the Governing Body meeting of Maharaja Surajmal Institute of Technology (MSIT), as a member at their campus, and also attended the inauguration of their Smart Classroom.

◯ On 16th June, Prof. Prem Vrat was invited as a special guest at the Valedictory session and certificate awarding ceremony of a CEP course on 'Project Management' – PM07 online 06 month programme under e-Vidya scheme of MOE at IIT Delhi. About 250 senior engineers/managers from all over the country participated in LHC 114 of IIT Delhi. They expressed their delight at the quality of lectures delivered and found the 07th edition of this programme very impressive. Prof. Ravi Shankar of DMS, Prof. S.S Yadav (our Ombudsman at NCU) and other professors from IIT Delhi also were present.

◯ As Chairman (Standing Appellate Committee, AICTE), Prof. Prem Vrat chaired the meeting of Re-SAC in online mode on 19th June, and forwarded the recommendations of the SAC to AICTE for necessary action. A total of 5 institutions appealed before the committee on this occasion.

◯ As Chairman (Board of Governors (BOG) of IIT (ISM) Dhanbad), Prof. Prem Vrat addressed on 13th June 2024 a Press Conference in which Director, Dy. Director and various deans were present to launch 5 Executive M.Tech and Executive MBA programmes at the Institute Industry Interaction Facility at Kolkata. IIT (ISM) has two such centres in Delhi and Kolkata to enhance its interaction with industry and outreach activities.

◯ On 20th June, Prof. Prem Vrat chaired a Press conference in the Press Club of India to launch the M.Tech/MBA program at IIIF Centre at Delhi.

◯ Prof. Prem Vrat chaired the Finance Committee and Board of Governors meeting of IIT (ISM) Dhanbad at their Delhi Centre on 21st June 2024.

◯ Prof. Prem Vrat was invited as the Chief Guest at the Re-Think India Foundation's 'Education as a Public Service' on the occasion of the United Nations Education Day, at the India International Centre Annexe, on 23rd June 2024. He delivered a keynote address, chaired the session, and also gave away the Awards to different categories of awardees on this occasion. The sessions were anchored by Mr. Raghav Mittal, Director of Re-Think India Foundation, supported by Dr. Surbhi Mittal.

◯ On 27th June, Prof. Prem Vrat chaired a meeting of the committee for recommending signing of MOUs with AICTE at AICTE Head Quarters, New Delhi.

◯ Prof. Prem Vrat was felicitated in the 'प्रोत्साहन समारोह' of Maharaja Surajmal Institute for his outstanding academic achievements and for being included in '100 Great IITians: Dedicated to the Service of the Nation.' He was felicitated by President Shri. Kaptan Singh, Guest of Honour Shri Karnal Singh (Former Director, Enforcement Directorate), Shri. Sanjay Beniwal (Former, Director General (Prisons) of the Tihar Jail) with a bouquet, a shawl, and a memento. The event was organised on 30th June at their MSIT campus located in New Delhi.

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