



ANNUAL REPORT



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The University at a Glance

The NorthCap University (Formerly Institute of Technology & Management) was founded in 1996 to promote excellence in technical and management education by the Educate India Society and was affiliated to Maharishi Dayanand University, Rohtak. The Institute gained the status of a University by an act of legislature from Govt of Haryana under the Haryana Private Universities (Third amendment) Act 25 of 2009. The University is recognised by the University Grants Commission under section 2(f), and has the right to confer degrees under section 22 of the UGC Act of 1956. The University is also recognized by the Bar Council of India. It encourages education that is Interdisciplinary and follows the best educational practices in the country.

The list of recognized Universities is available on the UGC website:

www.ugc.ac.in/inside/privateuniversity.html#haryana.

Nature of University :	Multidisciplinary, Co-educational University offering Undergraduate, Postgraduate and Doctoral Programmes in Engineering, Management, Liberal Studies, Law, Applied Sciences and Humanities
Established :	1996
By :	Educate India Society
Located :	In the industrial heartland of Gurugram, Haryana (located 14 km from Indira Gandhi International Airport, New Delhi)
Campus Address :	Sector 23-A, Gurugram, Haryana, India, Tel.: +91-124-2365811-13 Email: ncu@ncuindia.edu
Chancellor :	Mr. V Daulet Singh
Pro-Chancellor :	Prof. Prem Vrat
Vice-Chancellor :	Prof. Nupur Prakash
Registrar :	Col. Bikram Mohanty (Retd.)
Student Population :	Undergraduate: 3169 Postgraduate: 120 Doctorate 158
Gender Profile :	Male - 68.81%, Female -31.19%
Faculty :	174
Scholarships :	Merit cum Means and Merit based Scholarships awarded

Vision, Mission & Core Values

Vision

To be known globally for learning innovations, academic excellence and socially relevant research outcomes; strive to become the preferred destination for students, faculty, employers and collaborators & pride of alumni and the community.

Mission

1. Focus on quality of learning and innovation in all programmes with rigour and relevance.
2. Develop competent professionals - innovative, analytical and independent; committed to excel in all their endeavours.
3. Develop linkages globally with government, industry, academia and alumni for knowledge generation, dissemination and application.
4. Encourage multi-disciplinarity in programmes and projects to explore new frontiers of knowledge.
5. Continuously improve physical, academic and information infrastructure in pursuit of academic excellence.
6. Create a nurturing environment for lifelong learning.
7. Focus on entrepreneurship and socially relevant projects.

Core Values

1. Integrity in all endeavours
2. Humility, compassion and concern for all
3. Passion for quality and excellence
4. Quest for innovation
5. Leadership and team spirit
6. Autonomy with accountability
7. Perseverance

Statutory Approvals | Accreditations | Rankings

The NorthCap University was established under the Haryana Private University (Third Amendment) Act No 25 of 2009, the University was rechristened under Ordinance No.2 of 2015 dated 22 July 2015, Legislative Department Haryana Government. The University is recognized by the University Grants Commission, Govt of India Under Section 2 (f) of the UGC Act 1956 and empowered to grant degrees under section 22 of the Act. Bar Council of India (BCI) approval for our School of Law has been received for five-year BBA LLB (H) program and three-year LL.B. programme for the academic years 2022-2023 and 2023-2024 vide BCI Letter No. BCI: D:1412/2022(LE/Std. 27/9/2022) dated: 29 September 2022.

The NorthCap University has emerged as a self-reliant multi-disciplinary, digital-first University with more than 3000+ current students studying on its 10-acre clean and pollution-free campus and having over 12000+ well-connected Alumni placed in prestigious companies in India and abroad. As an academic institutions, The university offer higher education programmes at the undergraduate, postgraduate Doctoral Level. This includes Bachelor's degrees, Master's degrees, and Doctoral degrees. Our centres of excellence span across the academic disciplines of Engineering, Management, Applied Science, Law, and Liberal Studies. The University has numerous global tie-ups with renowned Universities like Arizona State University USA, Michigan Technological University USA, University of Dayton USA, and Shibaura Institute of Technology Japan. In this regard, our students have also visited these Universities to get global exposure. Among the Govt. organizations NCU has tied up with ISRO, NTRO, DST, and IMD.

The University is currently a member of the Association of Commonwealth Universities (ACU), UK. In addition to being a member of the American Society for Quality(I), Pvt Ltd. NCU is also accredited as a Premier University by Accreditation Services for International Colleges (ASIC) UK.

Ranking

The NorthCap University continues to nurture its ambition to be known globally for learning innovations, academic excellence, and socially relevant research outcomes. It is driven by a Ranking to be in the top of the league by embracing global best practices and championing the highest ethical standards.

- National Assessment and Accreditation Council (NAAC) has accredited The NorthCap University as Grade "A" during the second cycle of accreditation in July 2022.
- In the NIRF Ranking, by the Ministry of Education, Government of India, in the Engineering category NCU is ranked 96th and in the University category placed in the rank band of 151 – 200.
- QS Star Rating- 5-star ratings in Teaching, Academic development, Online learning, and Inclusiveness.
- Top 30 best performer universities in the category of university & deemed to be University (Private / Self-Financed) of our country by Atal Ranking of Institutions on Innovation Achievements (ARIIA) Ranking.
- 4-star ratings in the Institution's Innovation Council ratings (IIC), Ministry of Education, Government of India for the year 2020-21.
- QS I-Gauge, India Education Ratings, in collaboration with ASSOCHAM has recognized our university as an "INSTITUTION OF HAPPINESS" in the University and College category for the year 2021-22.
- 'Eco-friendly Sustainable Campus of the Year' at The ASSOCHAM 15th International Leadership & Skill Development Summit 2022.
- The NorthCap University has been ranked in the Diamond Band A with an A+ Grade in the Higher Education Institution of Excellence in the OBE Ranking 2022 (Outcome Based Education) by the R World Ranking Institutions.
- CSR-GHRDC Engineering Institution Survey 2022: The NorthCap University is ranked Number "1" in Haryana by the CSR-GHRDC Engineering Institution Survey - 2022.
- NCU was ranked as the 5th Cleanest campus amongst the Private Universities in the country for maintaining, promoting, and encouraging the culture of 'Swachhta' in Higher Educational Institutions in the country in the non-residential category.
- The Department of Higher Education, Ministry of Education also awarded the District Green Champion Award for Gurugram in 2021, for adopting & implementing best practices in Environment sustainability.
- In Green Institutional Ranking 2022, The NorthCap University is ranked 25th across India.

Visitor of the University



Hon'ble Shri Bandaru Dattatraya
Governor of Haryana

Governing Body



Mr. V Daulet Singh
Chancellor



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



Prof. Nupur Prakash
Vice-Chancellor
Member



Mr. Shiv Saran Mehra
Founder and Member
Governing Body



Mr. Avdesh Mishra
Founder and Member
Governing Body



Mr. Vijayendra Kumar (IAS)
Principal Secretary
Higher Education Department
Govt. of Haryana



Mrs. Kavita Mishra
Founder and Member
Governing Body



Mr. Rajesh Marwaha
Chartered Accountant
and Member Governing Body



Mr. Venkatesh Sarvasiddhi
Senior Head- Digital Skills,
Innovation, Partnerships & CSR at NSDC,
Ministry of Skill Development & Entrepreneurship



Mr. Sachin Jain
Representative of
Cintana Education, LLC



Col. Bikram Mohanty (Retd)
Registrar
Member Secretary

Academic Advisory Board External Members



Mr. Analjit Singh
Padma Bhushan
Founder Chairman,
Emeritus of Max Group



Dr. Devi Singh
Former Vice-Chancellor
FLAME University, Pune
Former Director-IIM
Lucknow



Mr. Vikram S Mehta
Chairman,
Brookings India &
Former Chairman,
Shell Companies
in India



Mr. Suresh C Rajpal
Chairman & CEO,
Visnova Solutions, Noida
Former President & CEO
Hewlett-Packard (India)



Mr. Bunty Peerbhoy
Director,
Maa Group Holdings



Prof. TK Datta
Dogra Chair
& Emeritus Professor,
Dept. of Civil Engineering,
IIT, Delhi



Mr. Indu Bhaskar
Scientist G & HOD,
Department of Scientific
& Industrial Research,
Team Leader



Prof. Karmeshu
Former Prof & Dean,
School of Computer
& Systems Sciences,
JNU, New Delhi
SS Bhatnagar Awardee



Mr. Ajai Chowdhry
Padma Bhushan
Founder – HCL,
New Delhi



Prof. Kehar Singh
Ex-Dean & Emeritus
Fellow, IIT Delhi
SS Bhatnagar Awardee



Prof. Pradeep Kumar
Professor, IIT, Roorkee
Former Vice-Chancellor,
Delhi Technological
University, New Delhi



Prof. Siraj S Hasan
Distinguished Professor
and former Director,
Indian Institute of
Astrophysics, Bangalore



Prof. AS Brar
Former Vice-Chancellor
Guru Nanak Dev
University,
Amritsar, Punjab



Prof. Ranbir Singh
Pro-Chancellor,
IILM University
Former VC, NLU,
New Delhi



Dr. PS Rana
Chairman & MD,
Pathera Developers &
Former Chairman & MD,
HUDCO



**Hon'ble Justice
M Karpaga Vinayagam**
Former Chairperson-
Appellate Tribunal
for Electricity



Mr. Vishnu R Dusad
CEO & MD,
Nucleus Software
Exports Ltd, Noida



Dr. Krishan Lal
Former Director,
NPL, New Delhi &
DST Ramanna Fellow



Prof. RC Budhani
Professor, IIT Kanpur
Former Director
National Physical
Laboratory, New Delhi



Dr. Girdhar J Gyani
Director General,
Association of
Healthcare Providers
(India)



Prof. SK Kak
Founder Vice-Chancellor
Mahamaya Technical
University, Noida



Prof. SG Deshmukh
Professor, Dept. of ME,
IIT Delhi



Mr. Mangu Singh
Former Managing Director,
DMRC, New Delhi



Prof. PB Sharma
Vice-Chancellor
Amity University,
Gurugram



Mr. Satish Kaura
Padma Shri
Chairman
Samtel Color Ltd



Ms. Ruby Rajvanshi
Director
Hatch India Associates
Pvt. Ltd.



Mr. Sanjay Goel
Former Managing Director
Punj Lloyd,
Genpact Global

Board of Management



Prof. Nupur Prakash
Vice-Chancellor



Mr. Avdhesh Mishra
Founder and Member
Governing Body



Mr. Shiv Saran Mehra
Founder and Member
Governing Body



Mr. Vijayendra Kumar
Principal Secretary,
Higher Education
Department,
Govt. of Haryana



Mr. Akshay Makhija
Founder and Member



Dr. Z Dault Singh
Founder and Member



Mr. N K Dewan
Founder and Member,



Prof. Swaran Ahuja
Advisor,
Academic Affairs



**Prof. Manoj Kumar
Gopaliya**
Dean, Academics



Dr. Rita Chhikara
Head,
Department of CSE



Dr. Archana Sarma
Head,
School of Law



Mr. Sachin Jain
Representative of
Cintana Education LLC



Col. Bikram Mohanty (Retd)
Registrar,
Member Secretary

Academic Council



Prof. Nupur Prakash
Vice-Chancellor



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



Prof. SD Joshi
Professor,
Dept. of Electrical
Engineering, IIT Delhi



Prof. H. M. Gupta (Retd.)
IIT, Delhi



Prof. Kumkum Garg (Retd.)
IIT, Roorkee



Prof. V. G. Hegde
Professor, Centre for
International Legal
Studies,
JNU, New Delhi



Prof. Rajesh Chadha
Program Director –
Natural Resources,
Brookings Institution
India Centre, New Delhi



Dr. Swaran Ahuja
Advisor,
Academic Affairs



**Prof. Manoj Kumar
Gopaliya**
Dean, Academics



Dr. Rita Chhikara
Head,
Department of
Computer Science
Engineering and
Information Technology



Dr. Sharda Vashisth
Head,
Department of Electrical,
Electronics and
Communication
Engineering



Dr. Vaishali Sahu
Head,
Department of Civil &
Environmental Eng.
Dean, (RDIL) &
PhD Studies



Dr. Rohit Singh Lather
Head,
Department of
Mechanical Engineering



Dr. Nimit Gupta
Head,
School of Management



Dr. Sona Vikas
Head,
Commerce &
Liberal Studies



Dr. Archana Sarma
Head,
School of Law



Dr. Divyabha Vashisth
Officiating Head,
Centre for Language
Learning



Dr. Agueda Benito
Chief Academic Officer
Cintana Education



Col. Bikram Mohanty (Retd)
Registrar,
Member Secretary

Faculty Mentors



Prof. Prem Vrat
BTech. (Hons.), Mtech
IIT Kharagpur
PhD-IIT Delhi



Prof. Rajesh Chadha
Senior Fellow,
Energy, Natural Resources
& Sustainability,
Centre for Social & Economic
Progress (CSEP)



Prof. Kehar Singh
Ex-Dean & Emeritus Fellow,
IIT Delhi
SS Bhatnagar Awardee



Prof. Indira K Varma
MSc, DPhil, PhD, DSc,
Glasgow University
Honorary Doctorate Degree



Prof. Prabha Sharma
Emeritus Professor,
NCU



Prof. Anurag Sharma
Retd Prof. IITD



Prof. Harish Narang
Retd Prof. JNU



Dr. C R Prasad
Chairman & Managing Director
Everest Power Private Limited.



Prof. Karmeshu
Retd Prof. JNU



Maj. Gen Sandeep Sharma
Retd. Indian Army
(Corps of signal)



Prof. B K Das
BTech (IIT Kharagpur),
MS (Illinois), PhD (Illinois)
FNAsc, FMAS
Formerly Dean-RDIL,
The NorthCap University,
Gurugram



Prof. Amitava Sen Gupta
PhD, MSc, BSc,
University of Delhi
Honorary Distinguished
Research Professor and Mentor,
RDIL



Prof. Manjula Batra
Professor, SOL
NCU



Prof. Pushpesh Pant
Padma Shri
PhD (JNU)
Distinguished Professor
Emeritus, School of Law



Prof. R.K Singh
Vice-Chancellor,
The ICFAI University,
Dehradun



Prof. S.K Bareja
Professor, SOM
NCU



Prof. C.B. Gupta
Senior Professor, APS



Prof. M.S. Turan
Professor of Management,
Dean Academic Affairs,
GJ University of Sc. & Tech, Hissar



Prof. Kumkum Garg
Adjunct Professor,
Department of CSE, NCU



Prof. H.M. Gupta
Adjunct Professor
ECE, NCU



Prof. R.C. Kuhad
Ex Vice Chancellor,
Central University of Haryana

Officers of the University



Prof. Manoj Gopaliya
Dean (Academics)



Dr. Rekha Vig
Dy. Dean (IQAC)



Dr. Shrutimita Mehta
Dy. Dean
Students' Welfare



Dr. Anjali Garg
Dy. Dean Exam



Ms. Manvi Arora
OSD to
Governing Body



Dr. Sharda Vashisth
Dy. Dean
(International Affairs)



Dr. Nitin Malik
Dy. Dean (PhD)
RDIL



Ms. Kiran Mrig
Controller of
Examinations



Ms. Deepika Deswal
Dy. Manager (HR)



Mr. Deepak Satyarthi
Assistant Professor
(Systems)



Ms. Kirti Singhal
Chief Finance &
Accounts Officer



Mr. Surendra Singh Grover
Director,
Centre of Professional
Attachment and
Alumni Engagement



Mr. Mandeep Singh
Head,
Admissions



Mr. Chirag Talwar
Head,
Marketing &
Communication



Dr. Anil Jharotia
Librarian



Mr. Sudesh Kumar
Sports Officer



Mr. R.S. Sharma
Estate Manager

Chief Guests at Convocations



Dr Surinder Kapur, Founder Chairman, Sona Group, Chief Guest, Degree Distribution Ceremony-Class of 2001



Shri Tarun Das, Director General, Confederation of India Industries (CII), Chief Guest, Degree Distribution Ceremony- Class of 2002



Padma Bhushan Prof SK Joshi, FNA, Former Director General, CSIR, Chief Guest, Degree Distribution Ceremony- Class of 2003



Mr Anajit Singh, Chairman, Vodafone and Max New York Life Insurance, Chief Guest, Degree Distribution Ceremony-Class of 2009



Late Dr APJ Abdul Kalam, Former President of India Degree Distribution Ceremony- Class of 2010



Mr Vikram Singh Mehta, Chairman, Brookings India & Former Chairman, Shell Companies in India, Chief Guest, Degree Distribution Ceremony-Class of 2011



Hon'ble Mr Justice AK Patnaik, Judge, Supreme Court of India, Chief Guest, Convocation -Class of 2012



Prof. D P Agrawal, Chairman Union Public Service Commission, Govt. of India, Chief Guest, Convocation-Class of 2013



Dr Karan Singh, Member of Parliament (Rajya Sabha), presented the awards and Certificates of Excellence to the students - Convocation, Class of 2014



Shri Balmiki Prasad Singh, IAS (Retd), Ex-Governor Sikkim, Former Union Home Secretary and Executive Director, World Bank, Chief Guest, Convocation-Class of 2015



Dr Bibek Debroy, Padma Shri, Chairman, PM's Economic Advisory Council, Chief Guest, Convocation-Class of 2016



Hon'ble Governor of Haryana, Prof. Kaptan Singh Solanki, Chief Guest, Convocation - Class of 2017



Hon'ble Justice Dipak Misra, Chief Justice of India, Chief Guest, Convocation - Class of 2018



Gen. (Dr.) V K Singh (Retd.) (Minister of State - Road Transport & Highways) Chief Guest, Convocation - Class of 2019



Prof. Anil Sahasrabudhe (AICTE, Chairman) Chief Guest, Convocation - Class of 2020



Prof. Anil Kakodkar AICTE Distinguished Chair Professor Chief Guest, Convocation - Class of 2021

Quality Benchmarks

	Established under Haryana Private University Act No. 25 of 2009 (Third amendment)
	Recognised by the University Grants Commission, Govt. of India, under Section 2(f) of the UGC Act 1956, and empowered to grant degrees under Section 22 of the Act.
	Recognised by the Bar Council of India, Govt. of India
	National Assessment and Accreditation Council (NAAC) has accredited The NorthCap University as Grade 'A' for five years during the second cycle of accreditation held in July 2022, for the duration 2022-27.
	Featured among top 100 Engineering institutes in the country and ranked 96 in the Engineering category in the NIRF ranking 2022. In the University category it is placed in the rank band of 151-200.
	QS I-Gauge, India Education Ratings, in collaboration with ASSOCHAM has recognized our university as an "INSTITUTION OF HAPPINESS" in the University and College category for the year 2021-22. NCU has received the QS-I gauges badges for 2021-2022 as under SOET- Diamond, SOM - Gold, SOL - Gold
	QS 5 Stars in Teaching, Employability, Online Learning, Academic Development and Inclusiveness
	Accredited by Accreditation Services for International Colleges (ASIC), United Kingdom, in the category of 'Premier' Universities, with 'Commendable' Grades, for 2020-2022
	The NorthCap University Testing Centre established as per ISO/IEC:17025-2005, is NABL Accredited for the Mechanical Testing of Building & Construction Materials.
	Member of Association of Indian Universities
	Member of the Association of Commonwealth Universities
	Institutional Member of American Society for Quality (India)
	Member of International Students Exchange Programme
	Recognised as the BEST @.govcampus
	The University is ranked among the Top 30 Best performers in the Private/ self financed category.
	4-Star Rating by (IIC)
	Won the Champion Award for Gurugram District in the online One District One Green Champion Award under Swachhta Action Plan 2020-21, conducted by Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India.

Programmes

The NorthCap University has grown from strength to strength since its inception to become a unique university of higher learning in North India and has shown a determined commitment to academic development in India in general & Haryana in particular. The University offers programmes in a wide range of professional fields in diverse areas of Engineering, Applied Science, Management & Liberal Studies and Law at the Undergraduate, Postgraduate and PhD levels, approved by the relevant bodies and endorsed by Haryana State Govt., UGC and the Bar Council of India.

The following programmes were offered in the academic year 2021-22:

I. SCHOOL OF ENGINEERING & TECHNOLOGY

A. B.Tech (4 years)

DEPARTMENT IN COMPUTER SCIENCE & ENGG. (CSE)

- B-Tech CSE Specialization In Full Stack Development
- B-Tech CSE Specialization In Cyber Security & Forensics
- B-Tech CSE Specialization In Cloud Computing
- B-Tech CSE Specialization In Data Science
- B-Tech CSE Specialization In Gaming, AR & VR
- B-Tech CSE Specialization In Artificial Intelligence & Machine Learning
- B-Tech CSE Specialization In Blockchain

DEPARTMENT IN ELECTRONICS & COMMUNICATION ENGG. (ECE)

- B-Tech ECE Specialization In Internet Of Things (IOT)
- B-Tech ECE Specialization In Embedded Systems and VLSI Design

DEPARTMENT IN MECHANICAL ENGG. (ME)

- B-Tech ME Specialization In Robotics & Automation

B. BCA (3 years)

- Bachelor of Computer Applications (BCA) with Specialization In Animation And Gaming
- Bachelor Of Computer Applications (BCA) with Specialization In Web Application Development
- Bachelor of Computer Applications (BCA) with Specialization in Mobile Application

C. M.TECH (PART TIME)

Department In Civil Engg.

- M-Tech Civil Specialization In Structural Engg
- M-Tech Civil Specialization In Construction Engg & Project Management
- M-Tech Civil Specialization In Environmental Engg.

Department In Computer Science & Engg.

- M-Tech Computer Science Specialization In Data Science
- M-Tech Computer Science Specialization In Cyber Security & Forensics

Department In Mechanical Engg.

- M-Tech Mechanical Specialization In Thermal Engg.
- M-Tech Mechanical Specialization In Mechanical Engg. Design
- M-Tech Mechanical Specialization In Production & Industrial Engg.

Department In Electronics & Communication Engg.

- M-Tech ECE Specialization In Communication Engg .
- M-Tech ECE Specialization In VLSI Design

D. B.Sc (Hons) Mathematics

E. B.Sc in Data Science

F. B.Sc (Hons) Physics

G. B.Sc (Hons) Chemistry

II. SCHOOL OF MANAGEMENT & LIBERAL STUDIES

- BBA
- BBA Splz. in Digital Marketing
- BBA Splz. in Business Analytics
- BBA Splz. in Family Business and Entrepreneurship
- B.Com (Hons.)
- B.Com (Hons.) in Financial Markets
- BA (Hons) Psychology
- BA (Hons) Economics
- BA (Hons) English
- MBA Dual Splz. with (Two Majors) Splz. in HR / Finance / Marketing / Business Analytics

III. SCHOOL OF LAW

- BBA-LLB (Hons)
 - LLM
- Specialization Options
1. Corporate Law
 2. Human Rights
 3. Intellectual Property Rights (IPR)

IV. PHD IN ENGINEERING, MANAGEMENT, LAW, SCIENCES & ENGLISH

Chief Guest at Convocation Class of 2022



Dr. Rajiv Kumar

Former Vice-Chairman, NITI Aayog

Dr. Rajiv Kumar, born on 06 July 1951, is an Indian economist who has served as the second Vice Chairman of the NITI Aayog. His earlier stint in Government was with the Ministry of Industry and subsequently in the Ministry of Finance as Economic Advisor during the reform years of 1991-94. He has wide experience of having worked in Government, Academia, Industry associations as well as in International Institutions. He also served as an Independent Director on the Central Boards of the Reserve Bank of India and the State Bank of India. Dr. Rajiv Kumar is the writer of several books on the Indian economy and national security. He is an economic columnist for major Indian publications and is a speaker on the Indian political economy. Dr. Rajiv Kumar did his Bachelor's from St. Stephen College and holds a double Ph.D., one from Lucknow University, which he received in 1978, and another in Economics from Oxford University in 1981. Dr. Rajiv Kumar was appointed as the Senior Research Officer, Indian Council for Research on International Economic Relations (ICRIER) Delhi in 1982. He was a Professor at the Indian Institute of Foreign Trade (IIFT) from 1987 to 1989. He was thereafter appointed as the Senior Consultant, Bureau of cost and prices at the Ministry of Industry, Government of India from 1989 to 1991. He served as the Economic Advisor in the Department of Economic Affairs, Ministry of Industry, Government of India from 1992 to 1995.

In 1995, he joined the Asian Development Bank in Manila, Philippines as a Principal Economist, where he served until 2005. He was also Chief Economist for Confederation Indian Industries for 2 years from 2004-2006. He returned to ICRIER as Director and Chief Executive in Feb 2006 and continued to be until August 2010. He was the Secretary-General at the FICCI from 2010 to 2012. He became a senior fellow at the Centre for Policy Research, Delhi from 2013 until January 2017. In 2017, he was appointed as the Vice Chairman of the NITI Aayog-Government of India apex think tank, with the rank of a cabinet minister. He was also the Chairman of the Atal Innovation Mission with its mandate to establish an innovative ecosystem in the country. He served in NITI Aayog till 2022. He is the founding Director and Chairman of Pahle India Foundation-public policy think tank facilitating policy change in India and is based in New Delhi.

Vice-Chancellor's Address

Honorable Chief Guest, Dr. Rajiv Kumar, Former Vice Chairman, Niti Aayog; Chancellor, Shri V Daulet Singh, Pro-Chancellor, Prof. Prem Vrat, Members of the Governing Body, Shri Avdesh Mishra, Shri Shiv Saran Mehra, Dr. Zorawar Daulat Singh, distinguished colleagues, recipients of the degree, eminent alumni, faculty & staff members of the NorthCap University, parents, and students. A very good morning to all, I welcome you all to the 11th Convocation Ceremony at the NCU Campus.

To begin with, I wish to thank Dr. Rajiv Kumar, Former Vice Chairman, Niti Aayog, for his consent to be the chief guest at this Eleventh Convocation ceremony. It is a matter of great honor and privilege to welcome you in person at our campus on this solemn occasion.

Sir, I am pleased to present our University's Annual Report for the year 2022 before all the participants of this convocation ceremony. I shall only share the highlights of our report defining our sustained focus on quality with a broad sketch of new KPIs, goals, and objectives for the year 2023. Today, we are here to acknowledge the great work done by our students, honor them with warm wishes, and send them on their way to the real-life journey with blessings and good wishes from NCU.



Prof. Nupur Prakash
Vice-Chancellor

Introduction:

The NorthCap University is one of the prestigious, highly ranked and rated multidisciplinary private university in Haryana. Since its inception in 1996, NCU has proudly carved a niche for itself as a boutique University with focus on imparting quality education, conducting cutting edge research, and creating new knowledge through innovations, strong academic alliances and industry partnerships. We enable our students to broaden their horizons intellectually, provide them with world class facilities and infrastructure, giving them opportunities to serve the society through community services under various clubs and societies.

Today, we are here to award 735 degrees to 648 Undergraduate, 68 Postgraduate and 19 PhD students belonging to the class of 2022. Today 28 medals will be awarded to rank holders of different programs and the outstanding students will be felicitated by our chief guest. On this day the graduates of NCU formally start their real-life journey with blessings and good wishes of their alma matar.

Every year we also felicitate our young achiever alumni and best-connected Alumni on this occasion.

Vision and Accreditation

The NorthCap University with above 3000 students and more than 12000 alumni strength, has earned a remarkable place in the country's top private universities over the last few years. Established under the Haryana Private University Act No.25 in 2009 the University is recognized by the University Grant Commission, and Bar Council of India, Government of India. Further, it is accredited with 'A' grade by the National Assessment and Accreditation Council (NAAC) for the 2nd Cycle this year in July 2022.

The University offers undergraduate, postgraduate, and doctorate levels degrees in the academic disciplines of Engineering, Management, Applied Science, Law, and Liberal Studies with an objective to prepare the students as a professional, an entrepreneur and a good human being to face the ever-changing world order and volatile job market.

Rankings & Ratings

NCU was awarded 4 star in QS ranking in 2021 with 5 star rating in Employability, online education and Academic excellence. The latest NIRF ranking conducted by the Ministry of Education, Govt of India, has placed the NorthCap University School of Engineering and Technology at 96th position out of 1249 Institutions participating in the ranking process. In the Atal Ranking of Institutions on Innovation Achievement, NCU is recognized in the band of 30 top "Performer" university under the category of Private Self-financed University. This year, The NorthCap University is recognized as the Institute of Happiness in the University and College Category by QS I-Gauge. This award was conferred upon by Honorable Union Minister Smt. Smriti Zubin Irani.

Adding another feature to our cap, In Green Institutional Ranking 2022, NCU is ranked at 25th position across India and received the Certificate of Excellence by R World Institutional Ranking.

As recognition and appreciation to our active involvement in maintaining clean and green environment towards sustainable development, NCU has received the award of Eco-Friendly and Sustainable Campus of the year 2022 by ASSOCHAM. Our dedicated cell for Social Entrepreneurship, Swachhta & Rural Engagement, is also recognized for green practices for conserving environment, promoting entrepreneurship, and community engagement.

Research and Innovation

NCU supports research and encourages knowledge-creation among its students and faculty members and provides facilities for the developing a scientific temperament and spirit of innovation. During this year, two DST projects worth Rs 30.08 Lakh were completed.

Two Consultancy projects were undertaken by university: one by School of Law from Dept. of Justice for Rs. 1 lakh and another by the dept. of Computer Science Engineering for NTRC (National Technical Research Organization) amounting to Rs. 19 lakh in the area of 'Cyber Security and Malware Detection'.

Furthermore, our faculty members have been actively participating in national and international conferences, workshops and published 116 papers in refereed journals, 21 conference proceedings, 5 books, and 38 book chapters during this academic year. Our faculty members are upskilled through several in-house FDPs and expert talks for adoption of innovative pedagogies and ICT-enabled teaching-learning process.

The Incubation Centre facility helps students ideate, innovate, incubate their business plans across all disciplines. NCU has established the Institution Innovation Council (IIC), Vice-Chancellor Innovation Fund (VCIF) and the Northcap Incubation, and Innovation Cell to boost the startup ecosystem, encourage innovation, and out-of-box thinking. Eight start-ups were preincubated under the NorthCap Innovation and Incubation cell and six innovative projects were awarded research grant under the Vice Chancellor Innovation Fund to the tune of Rs. 10 Lakhs.

The University also has a Patent filing facilitation cell supported by School of Law. This year 15 patents were filled by the faculty members of NCU.

Academic Initiatives

The NorthCap University introduced new programs and specializations to improve student's readiness for future jobs, employability and career progression. Several new specializations have been added in various programs across all schools to stay relevant as per market requirements. The basket of BCA specializations has been expanded to offer BCA (Mobile Applications) option in SOET. Similarly in SOM&LS specialization of B. Com (Financial Markets) and BBA (Entrepreneurship & Family Business) was added. Further, a new program '3-year LLB' has been approved by BCI and Haryana Govt. for introduction in the School of Law.

A Long-range plan was prepared by The Northcap University and several new programs have been designed based on market surveys and industry needs. These include a 2-year MCA (Master of Computer Applications), Master of Technology / PG Diploma in Electric Mobility in SOET and M.A (Psychology), and M.A. (English) in SOM&LS, LLB in School of Law. Further diversification through the launch of a new program Bachelor of Design - B.Des in (UI/UX) under the new School of Design is under consideration.

University is equally committed to the implementation of NEP-2020 as a Multidisciplinary Education and Research University (MERU) with focus on the holistic development of students in line with Indian ethos, values and societal concern. The USP of NCU is to provide immersive experience to its students through Community Service in all programs with credits assigned to it.

Annual Fest, Students' Achievements, and Events

The School of Law (SOL) organised its VIIth NCU National Moot Court Competition (NMCC) from 02nd-03rd September 2022. It is a unique competition in India which is being held on a pressing issue of environmental law. The theme for this year's moot court competition was 'Right to life and clean and safe environment'. The event was inaugurated by Hon'ble Judge Manmohan Sarin, Retd. Chief Justice Jammu and Kashmir High Court. The Moot Court Competition witnessed participation by **22 teams** from Central and State Universities, National and Private Law Schools from all across the country.

Further, The Moot Court Competition arrangement by NCU's Law school skills the prospective lawyers in 'dealing' with the differing legal systems and cultures that make up our global community, including the national legal system.

In November 2022, NCU organized our Inter-University Annual Techno-Cultural Festival **Momentum 2022- A Vivid Illusion**. The students figured out new ways to dive into cultural heat by keeping a comprehensive list of 39 Onstage and off stage events. Key attractions of the Fest are MTV Hustle 2.0, Vh1-Van Moon DJ Night, and the star performance by Nikhil D'Souza - Bollywood Singer. Also, the highlights of the two days event were Inter and Intra-University Fashion Shows, Group Dances, Rap Competitions, Singing Competitions, Mr. and Miss Freshers, Street Play, Hackathon, Wall Painting, Mad Ads, Treasure Hunt, and Quizzes. Archery, 360 degrees Video and Photobooth, HR Conclave, Pulse racing championships, and several exciting games, fun-filled events, and competitions. Moreover, this fest enabled the confluence of talent from 15 different Universities and Colleges around Delhi NCR.

Karan Kataria, a Global Action Ambassador of the United Nations Sustainable Development Goals and Former President Legal Aid Society, The Northcap University, Gurugram launched his book, 'RECAPTURING THE VISION CALLED BHARAT' on 15th August 2022. The Inaugural Address was delivered by Shri Ashok Kumar Ji Beri, National Executive Member and Shri. J. Nandakumar Ji, National Convener Prajna Pravah. The event was presided by Hon'ble Justice PritamPal Singh. Former Judge Punjab & Haryana High Court.

With the unparalleled support of faculty mentors some of our students have brought laurels to The Northcap University by securing positions in International and National level events. A few of them are as follows:

- 12 NCU Girl students pursuing STEM Education are awarded a full scholarship worth 26.67 lakh in the year 2021-22 by Hatch Associates Pvt Ltd.
- NCU students have received the Winner position in EY GDS Hackpions (Hackathon) being conducted by HackerEarth Technologies Private Limited (HackerEarth), and secured the prize money of Rs.1,50,000/-.
- In SPEED 2022: 6th Student Project Exhibition on Engineering Design, our CSE students received the award for Best Project (First Position) under the category of Computing and Communication Technologies, held at GD Goenka University, Gurugram.
- NCU students were also selected to present their project ideas at the 6th edition of the India International Science Festival (IISF) in Panjim, Goa.
- Students from third year of the Department of CSE (Cyber Security & Forensics Specialization) under the guidance of faculty mentors have secured the winning position in Smart India Hackathon 2022. The team "Binary Brains", worked on the problem statement for the Ministry of Social Justice and Empowerment, Composite Regional Centre (CRC Srinagar), Department of Empowerment of Persons with Disabilities, Govt of India. More than 2,000 teams were shortlisted after the initial pre-screening at national level. The Grand Finale of SIH 2022 was held offline at 75 nodal centres of the country and the shortlisted teams competed for 36 hours hackathon. Hon'ble Prime Minister of India, Shri Narendra Modi addressed Smart India Hackathon (SIH) 2022 Grand Finale via video conferencing on 25th Aug 2022.
- The Northcap University signed MOU's with Software Technology Parks of India(STPI), International Center for Automotive Testing (ICAT), Shri Vishwakarma Skill University(SVSU), Hero Motor Corps, KARAT LAWZ ACADEMY, Strategic Educational Professional Private Ltd. ACCA to name a few
- Felicitation of 12 teachers was done on Teachers Day under various categories: best teacher, best researcher, best academic administrator. Certificate of appreciations were awarded to two faculty members meanwhile, with their respective faculty mentors' unparalleled support and endorsement, some of our student's achievements have earned us a name by securing positions in International and National level events. A few of them are –

Academic Collaborations / MOUs with International Universities

To promote internationalisation of education NCU entered into academic collaborations with Arizona State University (USA) in 2021 and with various foreign universities across different continents for bringing in international collaborative research, co-teaching opportunities by international faculty, and enhancing curriculum to global standards and student-faculty exchange programs. Under these arrangements, students can have the benefit of the semester abroad co-teaching by faculty from ASU accelerated Master's programs at selected universities, and student immersion programs.

Four NCU students attended the ASU Summer Immersion Program on "Sustainability and Innovation" from July 5 to July 19, 2022, and visited Arizona State University. These students were awarded a scholarship of \$1000 each by NCU. The program provided the students with an immersive experience at ASU campus on topics of sustainability, innovation, and entrepreneurship through hands-on activities, inspirational discussions, and innovative learning methodologies. The program was open to all undergraduate and postgraduate students of NCU.

In collaboration with ASU the NorthCap University has announced accelerated Masters's programs – MS in Organizational Leadership for MBA students, MS- Software engineering for B.Tech. CSE and MS in Computer Science for B.Tech. in ECE students. Students can earn certain credits at NCU and transfer these credits to ASU, which reduces their total fee, duration, and living cost at ASU in the US for completing their master's program. This year a full subject on 'Data Visualisation' was delivered by an eminent faculty from ASU for 15 weeks in online mode. The academic Head from Cintana Dr. Agueda Benito conducted a FDP for faculty members of NCU on innovative online teaching pedagogies.

Furthermore, with various community clubs, operating under the Student Activity and Leadership Committee, NCU has successfully conducted more than 150 events in online and offline modes.

New Infrastructure and Learning Resources:

The Centre of Excellence in Data Science was established along with Data Driven Decision Lab for School of Management equipped with Computers with latest specifications. The Psychology lab and Business lab were also established with latest software tools and equipment.

The new Moot court was furnished and made functional for School of Law and Centre for Intellectual Property Rights, Advocacy, Research and Training (CIPRART) and Centre for Development in Energy and Environment Policy (CDEEP) got revived with dedicated spaces.

The library has renewed its subscription for EBSCO,SSC online, Manupatra, WESTLAW, DELNET, TMH E-books, PROQUEST. Books and journals worth **Rs. 50 lakhs** were procured in 2022.

Placements

The NorthCap University ensures regular interface and interaction with the industry for professional enrichment of students' and better job opportunities. Currently, 200+ companies are visiting NCU campus to recruit students. The Centre for professional Attachment and Alumni Engagement has made relentless efforts resulting in over 90% placements of eligible students from all three Schools – School of Engineering & Technology, School of Management & Liberal Studies, and School of Law. The Class of 2022 and 2023 is placed in reputed companies like Amazon, Deloitte, United Health Group-Optum, Hughes Systique, Ernst & Young, IBM, Fidelity, Sapient, Newgen, Real-Time Data Services, Protiviti, NCR Corp, Blue Star, Nagarro, TCS, HSBC, JLL, Daikin, McDermott, Siemens, and Ameriprise Financials, to name a few. Mr. Arnav Oberoi from CSE dept. was placed with highest pay package of USD 70,000 per annum (Rs. 56 lakhs) in Epsilon Data Management, LLC, USA as data analyst. Besides placements, several students have gone in for higher studies in India, and abroad to the IITs, The University of Reading, UK; University of Limerick, Ireland; University of Florida, New York University, University of California, Arizona State University USA; University of Windsor, Canada; the University of Melbourne, Australia amongst others.

Conclusion

The NorthCap University has completed a quarter century of its existence and has come a long way in continuously evolving and challenging conventions in line with the current world's requirements. It is with immense pleasure, I congratulate our graduating class of 2022, the medal winners who are now on the threshold of beginning an exciting new phase of their life and their relationship with the University as alumni.

Dear students, today is the moment of celebration for successfully completing your educational journey as you embark on a new journey entering the next phase of your life. In preparation for tomorrow, you need to further explore and prepare yourself for the volatile, uncertain, complex & ambiguous (VUCA) world order. However, by building a foundation of knowledge and the skills to self-learn and adapt, you can stay prepared for a future where technology will keep throwing new challenges at you.

Being an alumnus, you will be the reflection of NCU's past, a representation of its present, and a link to its future. You are the institution's brand ambassadors and can make a significant contribution to the University by offering Mentorship, Scholarships, Career Guidance, Networking opportunities, endowment funds and Placements to your juniors.

Once again, I congratulate you all and your respective families for completing your degree program successfully. Also, I express my gratitude towards each & every one present here for sparing their precious time to be with us!

Jai Hind!

ELEVENTH ACADEMIC ADVISORY BOARD MEETING

Eleventh Academic Advisory Board Meeting

Drawn from the pool of eminent thought leaders, from across the country, cutting across disciplines, this annual meeting is held to review the activities and provide directions in improving the quality of academic life in the University. This year's meeting was held on 11 March 2022.

During the day long discussion , the following issues were highlighted:

1. Major transformational change in the higher educational system needs to be incorporated into the curriculum.
2. Faculty retention & talent acquisition.
3. Improve rankings & accreditation of the University.
4. Research initiatives/collaborations.
5. Introduction of new courses, that impacts society such as the role of computer science in health and environment sustainability.
6. Introduction of NPTEL courses
7. IDP
8. Introduction of short certificate courses on AI/socio-relevant programs/community service/extension programs across different disciplines.
9. Focus on improving the brand NCU
10. Enhancing participation of students/faculty in International and National conferences.
11. Identify the USP of NCU
13. Carry out an impact analysis of NCU powered by ASU and see if it meets the expectation of the stakeholder Soon after the meeting was over the members were taken around the various infrastructure which was added during the year, which included the Smart Class rooms, labs such as Centre of Excellence in Data Science, Data Driven Decision Lab for School of Management equipped with high end Computers, Psychology lab, Business lab. All these labs were equipped with the latest software tools and equipment. The members before interacting with Dean List Students and the HODs were briefed in the Incubation Centre by the Professor of Practice and selected students .



Members in the meeting during the Eleventh Academic Advisory Board Meeting held on 11th March 2022.

Institutional Meetings

The NorthCap University has a rich depository of academic and thought leadership. The University conducts regular institutional meetings. The Management leadership adopts a hands-on approach to manage all affairs of the University and is involved in participative decision-making processes while ensuring a close and rigorous follow-up and its implementations. The University's perspective plan is discussed during Annual Academic Advisory Board Meetings held in Jan-Feb each year. The outcomes are identified for implementation during the course of the year on an ongoing basis. Some of the areas which are revisited keeping our vision & mission in mind are Teaching & Learning, Research & Development, Community Engagement & Industry Interaction. The Governing Body, Board of Management, Academic Advisory Board, Academic Council, Committee of Research Development and Industry Liaison, Internal Quality Assurance Cell (IQAC), and the Operational Committees at the Schools & Departments Level work in synchronization, revamping the process & practice to make them up to date.

During the reporting year, the University has taken a number of steps to including improving the quality of students intake, aligning our syllabus and programme with NEP-2020 an facilitating students to participate in National and International Hackathons. One of the major decision taking was to increase to financial assistance to faculty members and re-introducing the Best Faculty Award.

The Financial assistance now being offered to faculty members are as under:

National / International Conference - ₹30,000 /- per year (within India)

International Conference - ₹ 1 lakh once in a three years (outside India)

To strengthen activities of the Admission Cell so as to enroll quality students, a new Head of Admissions along with experienced admission counsellors were onboarded by the University. Similarly, in order to improve perception and increase visibility of the university on digital platforms and capture activities on a regular basis, a strong team under a Head of Marketing has been recruited to oversee these activities.

Academic Council	Board of Management	Governing Body	Academic Advisory Board
January 25, 2022	May 20, 2022	January 31, 2022	March 11, 2022
November 22, 2022 (Standing Committee)	August 30, 2022	June 29, 2022	
	December 2022 (scheduled)	October 10, 2022	

Dean's List Students

To promote excellence in academics and recognize outperformers, students scoring a CGPA of 9.5 and above or securing top position (First position) in the batch of all programme (across all sections) are included in a selected Dean's List. This achievement is reflected in their degrees. They form a think tank for the University's academic reforms, and enjoy special privileges and pride of place in the University. Also, they are specially invited to meet distinguished visitors to the University. This policy has worked significantly to encourage students to strive towards making the grade in order to be on the Dean's list.



Dean's List Students Interacting with the Vice-Chancellor



Group photograph of Dean's List Students with Vice-Chancellor and HOD's

Recent Initiatives at the University

Academic Initiatives

NCU is committed to providing quality education and continually strives to improve student's learning experiences. This is achieved through multiple strategies, including adopting innovative teaching pedagogies, enriched curriculums as per market requirements, and technology-supplemented student-friendly content delivery methodologies. Some of the highlights of this year are described below.

One of the significant shifts in teaching methodology this year resulted from the end of the pandemic and switching back to offline classes. Students for the last two years learned through online mode of classes via our Microsoft Teams platform, and migration to offline from online was done progressively in a phased manner to allow students to get accustomed to the changing environment gradually. The transition was smooth, starting with face-to-face practical classes, some lecture classes in hybrid mode, and examinations in offline mode.

Although the pandemic period was an unusual challenge for teaching learning, it provided new opportunities for experimenting with content delivery techniques. The expertise gained in online teaching during the last two years has enhanced the faculty experience and exposed them to the world of digital teaching with training on new digital tools for delivery and evaluations. This rich expertise is now being leveraged and is getting embedded into our regular teaching-learning processes.

The University is committed to implementing NEP-2020, and the Multidisciplinary Education and Research Universities (MERUs) concept are being implemented to encompass a broad spectrum and range of courses/programs offered in the University. The holistic development of students with an appreciation of Indian ethos, values, and societal concern continues to be the cornerstone of our policies and actions.

To inculcate a global perspective in our students through international collaborative research, co-teaching opportunities by international faculty, and enhancing the curriculum to global standards, NCU has academic collaborations with many international universities, including Arizona State University (USA). The University has taken such collaborations further in the last year and has now expanded its alliances with various other reputed foreign universities across different continents.

For more process-driven and practical-oriented teaching-learning, NCU has signed MOUs with many national premier institutions and industries also. This will provide the much-needed enhancements in experiential learning, industry exposure, and 'hands-on' projects to bridge the gap between the classroom and the industry.

Upskilling of faculty is an important area, and focus has been retained on the conduct of FDPs in new technology domains.

All these and many other initiatives have culminated in NCU achieving higher national & international quality benchmarks like NAAC, NIRF, and QS ratings, etc., demonstrating our commitment to continuous quality improvement.

NAAC Accreditation and NIRF rankings

The University has successfully gone through the second cycle of NAAC accreditation this year, leading to the award of improved NAAC 'A' grading. The 2nd cycle accreditation was delayed by nearly a year due to the pandemic. However, the accreditation process has now concluded with the highly intensive visit of the NAAC team to the University this year. This accreditation has opened new opportunities for the University in terms of offering online courses and providing increased access to quality education. This ranking also qualifies the University to offer the facility of a semester abroad and credit transfer, enabling our students to get a global component embedded in some of our existing programs, like B.Tech and Accelerated Master in Management and Engineering.

Continuing on the same track, the University has also improved its ranking in the NIRF Engineering category to 96th position this year from among more than 1000 institutions that participated in this process. This continued ranking of being placed in the Top 100 puts NCU in league with some of the best in the country.

Further, NCU has also been ranked amongst the 30 Best Performer Universities in the category of university & deemed to be a University (Private / Self-Financed) in the country in the latest Atal Ranking of Institutions on Innovation Achievements (ARIIA) Ranking. NCU has also earned 4-star ratings in the Institution's Innovation Council ratings (IIC), Ministry of Education, Government of India for the year 2020-21.

Introducing New Programs and Specialisations

Several new specializations have been added in various programs across all Schools to stay in line with market requirements. The basket of BCA specialisations has been expanded with an offer of the BCA (Mobile Applications) option. This specialisation is being offered jointly by our CSE and ECE departments in SOET. Similarly, in SOM&LS, specialization of B. Com (Financial Markets) and BBA (Entrepreneurship & Family Business) have been added. All these specializations have received encouraging responses during admissions of 2022. Further, a new program, '3-year LLB', has been approved by BCI and Haryana Govt. for introduction at the School of Law.

Based on market surveys and our existing competencies, several new programs have been designed to be introduced in 2023. These include a 2-year Masters of Computer Applications (MCA), Master of Technology / P.G. Diploma in Electric Mobility at SOET and M.A. (Psychology), and M.A. (English) at SOM&LS. These programs are under various stages of approval from the Govt. of Haryana. Further diversification through the launch of a new program Bachelor of Design - B.Des in (UI/UX), has been proposed under the School of Design, possibly to commence by next year.

These new introductions are designed to help students in improving their readiness for future jobs and employment value and will encourage the opening of new horizons for our students.

Push to Digital Education

Several initiatives have been taken to give a push to digital education in line with global best practices.

Learning Management System (LMS)

As reported last year, our new LMS has been implemented on the CANVAS platform. It is the state-of-the-art Learning Management System also used by several Ivy League colleges and various leading universities across the world. It brings a lot of new and exciting features that will help students in their learning journey by delivering dynamic and engaging learning experiences. The LMS is device-agnostic, so it provides ease of access through laptops, desktops, tablets, or mobiles through the internet, anywhere, anytime. Several training programs and awareness sessions have been conducted for all faculty, including new faculty members, to ensure that this facility is now available to 100% of students for 100% of the courses. Quality of LMS is ensured through quality assurance checks at the department and university levels. The LMS comes with several interesting student-friendly features like high-quality lecture videos, PPTs, graded and ungraded quizzes, gamification tools, online assignments, discussion forums, case studies, lab experiments, and so on, and offers an excellent platform to students for self-paced learning.

Hybrid Programs

Building on the expertise gained in online teaching during the pandemic, NCU has introduced hybridity in the current semester (July-Dec 2022) for the first time with the following objectives.

- a) To enhance the self-study capabilities of students
- b) To explore and learn beyond the stipulated course content
- c) Better use of a discussion board on CANVAS to discuss the content referred to in self-study mode
- d) Exchange of ideas and more involvement of students in the course

Accordingly, some courses selected initially, like Introduction to Psychology, Environmental Studies, Data Structures, Digital Electronics & Computer Applications, and Operating Systems from all Schools at NCU, are being offered to students in the hybrid mode, i.e., a combination of synchronous and asynchronous teaching methods. Students are encouraged and expected to study some content in the self-study mode for which they are provided with the content in advance and subsequently evaluated on their understanding and learnings.

Faculty have been given orientation sessions and training for efficient and systematic conduct of these courses in hybrid mode, including content design. Based on the feedback and experience gained so far, it is recommended to take it forward and expand to more courses.

Course Content enrichment

To make the course more at pace and at par with international levels, the content of all programs is suitably enriched with content from open-source national and international portals as well as portals of our international academic partners. In particular, NCU has digital access to our collaborator Arizona State University (ASU) content repository. Under this arrangement, NCU faculty are authorized to import content from the ASU repository to NCU's LMS pages from hundreds of their courses. The content includes a wide spectrum of lecture videos, PPTs, assignments, quizzes, sample question papers, and so on. This way, students at NCU get benefitted by having access to ASU content in addition to NCU content.

While only a select few courses were initially enriched, now 100% of NCU courses are in the process of being supplemented with this international content. All content on our LMS is subject to NCU quality checks.

Co-teaching

Co-teaching by faculty from our international partners has now been made possible through the online mode of teaching. Special lectures have been conducted by faculty of many partner universities in our courses like 'Entrepreneurship' and 'Principles of Economics', giving a global perspective to students' learning.

Further, as a part of its collaboration with ASU, USA, and its aim to provide a truly international experience to its students, The NorthCap University has started a unique initiative of an entire course being taught by a faculty of ASU. In its pilot, a course- Data Visualization, is taught by Prof. Michael Tibbetts of ASU, which is being attended by nearly 550 students at NCU.

Smart Classrooms

A state-of-the-art and world-class infrastructure has been created at the NorthCap University, i.e., Smart Classroom, where lectures can be conducted in Hybrid mode wherein students can attend the session in-class and online simultaneously. Various lectures have been conducted by external speakers and international guest faculty in this classroom— and students have benefitted greatly from the hybrid mode of these sessions. The smart classroom is fully equipped with digital technology to replicate a physical classroom in a virtual model. The classroom will enable students to attend virtual interactive lectures from anywhere in the world in a physical classroom-like environment.

Academic Collaborations / MOUs with international Universities

To facilitate international collaborative research & co-teaching opportunities by international faculty and enrich the curriculum to global standards and student-faculty exchange programs, NCU has academic collaborations/MOUs with Arizona State University (USA) and with various foreign universities across different continents and has expanded these collaborations with more universities on board in last year.

Under these arrangements, students can avail the benefit of the semester abroad or vice versa, co-teaching by faculty, faculty exchange for teaching and research collaborations, accelerated Masters's programs at selected universities, and student exchange immersion programs.

Under such MOU, ASU implemented its Summer Immersion Program on "Sustainability and Innovation" from 5th July to 19th July 2022. This experience was designed especially for NCU students, offering the opportunity to stay at Arizona State University for 2-4 weeks. 4 NCU students attended the Summer immersion program at Arizona State University, USA, from 5th-19th July 2022. NCU awarded three students a scholarship of \$1000 each. The program helped the students to gain upto date knowledge in sustainability, innovation, and entrepreneurship through hands-on activities, inspirational discussions, and innovative learning methodologies. The program was open to all undergraduate and graduate students, faculty, and alumni.

Similarly, NCU, in collaboration with ASU, has started offering accelerated Masters's programmes – M.S. in Organizational Leadership for MBA students, M.S. in Software Engineering for B.Tech. CSE and M.S. in Computer Science for B.Tech. ECE students. Students can earn certain ASU credits at NCU and transfer them to ASU, which reduces the total fee, duration, and living cost at ASU in the U.S. for completing their master's programme.

Discussions are also in progress with many other universities for faculty exchange, research project collaborations and co-teaching, etc.

Industry / Research Institution Collaborations

For more process-driven and practical-oriented teaching learning and research projects, NCU has signed MOUs with many premier institutions of the country like Shri Vishwakarma Skill University, ICAT, STP, ACCA, Volkswagen Group Technology Solutions, National Highways Authority of India (NHA), India Meteorological Department and National Technical Research Organisation (NTRO) and Space Application Centre (SAC) ISRO, Ahmedabad to facilitate faculty, researchers and students to familiarise with the latest trend and techniques and to bridge the industry-academia gap.

Several professionals from ISRO and NTRO are pursuing their Ph. D Programs at NCU in CSE and ECE departments under these collaborations. Some joint research projects are also in the pipeline with ISRO and NTRO.

Under Ph.D. Vishvesvaraya Scheme, Department of CSE at the NorthCap University has been awarded financial support of Rs 72 lacs for five years under Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase II for two full-time Ph.D. Scholars from Jan 2023. The Nodal Officer for the scheme is Prof. Rita Chhikara, Head CSE, and the Coordinator from CSE is Dr. Neeti Kashyap.

Engineering programs in emerging areas like E.V. technology at U.G. and P.G. levels are on the anvil in collaboration with ICAT.

Certification Programs

Several certification programs were launched in association with some of these industries last year, as follows: -

The Mechanical Engineering Department offered a Project Management Certification course in January 2022. The certification has three courses: Project Management, Project Leadership Strategy and Scope, and Business Agile Project Management. For the PM certification program, The NorthCap University tied up with The Project Management Institute (PMI), USA, as an authorized training partner (ATP). Thirty-five students from NCU opted for this certification from across all depts. All students who complete a requisite number of hours of Project Management Training will be eligible for Certified Associate in Project Management (CAPM) and other Certifications offered by PMI. The course gets completed in December 2022.

The Department of Civil & Environmental Engineering launched a certificate program on 'Sustainability' in July 2022. This course aimed to introduce students to the concepts of sustainability, its fundamental principles, and some of the best practices established in the field. The course proposes to operate on two levels: on one side, the learner shall become aware of the significant challenges affecting the environmental dimension of sustainability; on the other side, they shall understand the socio-economic implications associated with developing a sustainable approach. At the end of the course, learners will increase their capacity to analytically discuss the issue of sustainability and implement it in their respective fields. Presently the certificate course is offered to NCU students with three basic level courses; two can be taught as open electives, and one course in the summer slot. Industry Green Tree has been finalized as a collaborator, and MoU has been initiated with them for future courses.

The Department of Computer Science and Engineering launched three Certification cum Summer Training programs in the emerging areas of technology, namely Big Data Analytics, Penetration Testing, Malware Analysis, and Real-World Data Science Projects, from 13 June-26 July 2022 (six weeks duration). These programs had hands-on sessions from experts in academia and industry experts from reputed organizations like PAC Security, Brain Mentors, Pvt. Ltd., and Further Systems Pvt. Ltd, Adidas, etc.

Faculty Development Programs

Faculty development and upskilling are critical to maintaining high standards of teaching-learning in emerging areas and remaining aligned with market needs. Following are some of the FDPs conducted at NCU during the last year.

1. Faculty Development Program on Machine Learning

The Department of Computer Science and Engineering successfully organized a Faculty Development Program on "Machine Learning" from 1st – 10th August 2022. The objective of this program was to help the participants in upskilling in the domain of machine learning. The resource persons for this FDP included Prof. Rita Chhikara, Dr. Nitin Malik, and other senior faculty from the Dept. Academicians and research scholars enthusiastically participated in the program and gained experiential exposure in the area of supervised machine learning.

2. FDP on How To Exploit (Secure) Web Applications

The Department of Computer Science and Engineering at The North Cap University, Gurugram, successfully organized a 5-day AICTE-approved online Faculty Development Program (FDP) on "How to Exploit (Secure) Web Applications" from 26th – 30th July 2021. This FDP disseminated the importance of Web Security among 200 participants, including Academicians, Research scholars, and Industry Professionals across the country. Coordinators of FDP, Dr. Prachi and Dr. Shilpa, arranged 14 sessions within five days by inviting Industry Professionals, Consultants from KPMG, E&Y, NxtWave Technologies, Astra Security, Tech Brewery, and Academicians from reputed Universities.

3. FDP on Research Trends in Computer Vision and Natural Language Processing

Department of Computer Science & Engineering successfully conducted a 5-day national level Faculty Development Programme (FDP) sponsored by AICTE Training and Learning Academy on "Research Trends in Computer Vision and Natural Language Processing" from 19th July -23 July 2021. The FDP received an overwhelming response, with 150 participants from various institutions across India. FDP provided experiential exposure in emerging areas of Computer Vision and Natural Language Processing. The program was inaugurated on 19th July 2021 virtually by the hands of Dr. Bimlesh Wadhaw (keynote speaker, Assistant Dean, National University of Singapore).

4. "New Digitally Enhanced Education- 2.0" (5th July 2021 to 12th July 2021)

The Six days Faculty Development Program coordinated by CSE Dept. was conducted to make our educators advanced and skilled in technological and pedagogical aspects of hybrid teaching. It is also meant to work towards making NCU a 'Digital First University'. 100 % of faculty members of the University participate in this program. The objectives were to enhance the teaching-learning pedagogy through an online course, sessions, workshops, and competitions. The resource persons included many national and international experts, plus senior faculty from NCU.

Faculty Externship Program

The Faculty Externship Program, another initiative for faculty development, is an immersive experience that provides a new interactive engagement between NCU faculty and industry partners. The program is undertaken in person by faculty members who spend some time to gain experience in select industries and to have exposure to real-world situations and gain a first-hand appreciation of the problems being handled by the industry. Following are some of the opportunities explored by faculty through these externship programs:

- a) Enhance the pedagogical approach in the classroom and provide students with the latest technology in the industry
- b) Expand professional network
- c) Learn more about current issues faced by industries
- d) Internship/placements opportunities for students
- e) Live project opportunities for students

The program helps bring industry experience to classroom teaching and enriches teaching pedagogy. Some of our faculty members availed benefits of this program last year, and we hope to take it forward more actively this year.

Orientation Sessions for New Faculty

To ensure that the new faculty quickly assimilates the University's working culture, NCU organized orientation sessions in January 2022. The H.R. Department and Dy Dean (Academics) jointly conducted the orientation sessions to apprise the faculty about university policies, academic practices, and systems followed at NCU. A total of 24 newly joined faculty members participated in these sessions. These sessions helped the new faculty smooth induction and adopted some of the practices followed in the teaching-learning processes.

Applying and Qualifying for Q.S. Star Rating

As reported last year, The NorthCap University achieved an overall Q.S. 4 stars and a perfect 5-star rating in essential categories of Teaching, Employability, Online learning, Academic development, and Inclusiveness from QS Quacquarelli Symonds - the global rating agency. This puts NCU among the top 10 universities in India for academic quality.

NCU is going through the QS Quacquarelli Symonds QS- I Gauge audit for Subject Audit Law and Legal Studies, Subject Audit Management, Subject Audit Engineering, and Audit University this year. Of the mentioned, Subject Audit Law and Legal Studies have been completed, and the University was awarded the Gold Badge under this category. For other categories, the audit is in progress.

Orientation & Induction Program for Newly Admitted Students

Complying with UGC norms, induction programs are conducted every year in the University to facilitate new students enrolling in various programs, with the purpose of helping students acclimatize with the new surroundings, familiarize themselves with the University environment and culture, develop bonds with fellow students and teachers, sensitivity towards various issues of social relevance and imbibe human values for holistic development.

This year, the induction program was conducted for three weeks, from 16th August to 3rd September 2022. The induction program had a wide range of activities, starting with an orientation program on the first day, which included a brief introduction to the University and its senior functionaries. On the following days, many academic, co & extracurricular, and community service activities were conducted for students as per the planned timetable. These included a campus tour, ice-breaking sessions, introductions, and first interactions with their assigned mentors, their respective depot faculty, etc. Some of the other activities conducted were yoga sessions, recreational activities like a talent hunt, poster designing, movie screenings, and also invited special lectures and sessions with topics of their relevant interests. Sessions with Alumni and some industry experts were other highlights of this program. The orientation and induction program was very well received by students.

Encouraging STEM education for Girl Students

The University has taken a unique initiative to encourage & promote STEM education in female students through financial support to selected female students by way of scholarships for the entire period of their program at NCU under the Hatch Scholarship Scheme. For this, NCU has signed an MOU with Hatch Associates India Pvt Ltd (part of a Canadian MNC) to provide financial assistance to support meritorious girls' students pursuing engineering and science belonging to the economically weaker section of the Society. In the academic year 2021-22, twelve girl students were identified jointly by NCU and Hatch and are currently in receipt of full fee waiver financial assistance from Hatch Associates India Private Limited amounting to 26.67 lakhs.

Prof. (Dr.) Nupur Prakash, Vice Chancellor, NCU visited Arizona State University

Vice-Chancellor, The NorthCap University, Prof. Nupur Prakash and Dy. Dean – Academics, Dr. Rekha Vig visited Arizona State University, Tempe, Arizona, USA to attend a week-long ACE event. ACE was designed for participants of existing Cintana Alliance institutions to learn about ASU, and Cintana and share peer best practices. It included introductory and brain-storming sessions, visiting many of the ASU key schools and institutes including BioDesign; Earth and Space Exploration; Global Future Laboratories; Engineering Labs; Decision Theater; SkySong; Sun Devil Stadium; and more. They met several ASU Deans and leaders and witnessed the historic ribbon-cutting ceremony for Thunderbird's new Global Headquarters. There were many sessions in which the practices on how other Cintana Alliance Institutions are leveraging Cintana and Powered by ASU benefits.



Memorandum of Understanding






Academic Collaborations

	<p>Arizona State University: The long-term collaboration between The NorthCap University and Arizona State University is focused on innovation and expanding access to quality higher education in India. NCU has been selected by ASU as its first comprehensive university partner in India to be endorsed as "Powered by ASU". Unlike conventional academic partnerships which are restricted to a school, department or a program, this is a university-wide strategic collaboration between both institutions. NCU's alliance with Arizona State University represents far-reaching collaboration focused on student success through innovation, access to global knowledge, and future pathways to higher studies.</p>
	<p>CINTANA EDUCATION LLC. : MoU was signed between Mr. Neel Broker, President – Asia Pacific, Cintana Education LLC and Prof. Nupur Prakash, Vice Chancellor, the NorthCap University on 19 April 2022.</p>
	<p>Michigan Technological University: A Partnership Agreement with the University of Michigan Technological University Houghton, Michigan, USA was signed in March 2016, to implement the 3+1+1 programme in Computer Science & Engineering.</p>
	<p>University of Regina: NCU students of MTech ECE and CSE are eligible to apply for a Master of Engineering degree in Electronics Systems Engineering and in Software Systems Engineering, respectively. The selected students proceed to University of Regina, Canada after 2 semesters and get a Canadian degree in Master of Engineering.</p>
	<p>University of Chester: A Partnership Agreement with the University of Chester, UK, was signed in 2012. The Chester Business School has over 1500 students with campuses at Chester and Warrington and has a good reputation at undergraduate and postgraduate-level courses.</p>
	<p>ITB Ireland: The University has an effective partnership agreement in place with ITB Ireland and is collaborating significantly in the mobility of students and faculty. The first student exchange started in September 2011 for a semester abroad programme. Various collaborative schemes for UG and PG students continue to be rolled out.</p>
	<p>University of Dayton, Ohio, USA: The University has signed a partnership agreement to undertake joint collaborative research and also for student and faculty exchange programme. The agreement was signed in May 2017.</p>
	<p>Providence University, Taiwan: A Partnership Agreement with Providence University, Taiwan was signed in October 2018, to undertake special short term academic programs, joint collaborative research and for student and faculty exchange programme.</p>
	<p>Shibaura Institute of Technology, Japan: A Partnership Agreement with Shibaura Institute of Technology, Japan was signed in August 2018, to undertake collaborative research and joint academic meetings, exchange of professors, researchers and students.</p>
	<p>Universiti Teknologi, Malaysia: A Partnership Agreement with Universiti Teknologi, Malaysia was signed in August 2020, for summer school, short courses and training, joint research and supervision, researcher/faculty/student attachment and exchange programmes.</p>
	<p>University of Warwick: A Partnership Agreement with University of Warwick was signed in October 2010, to implement the 3+2 programme in all Engineering Programmes.</p>
	<p>The NorthCap University and Shri Vishwakarma Skill University Gurugram signed MOU on 28th September 2022</p>
	<p>The NorthCap University signed a Memorandum of Understanding (MoU) with The Association of Chartered Certified Accountants (ACCA) in July 2022</p>

	<p>Universidad Autonoma de Guadalajara (UAG), Mexico: A partnership agreement with Universidad Autonoma de Guadalajara (UAG), Mexico was signed in August 2021, for co-teaching, academic and cultural exchange of students and faculty, summer school, short courses and training, and joint research.</p>
	<p>n+i: The n+i engineering network, which is a consortium of over 70 French Grandes Ecoles (elite engineering institutes), is the largest network in France and offers student exchange programmes under an MoU with NCU.</p>
	<p>Chartered Institute of Arbitrators (India): Students from the School of Law would benefit a great deal by this tie-up with CI Arb. While doing their BBA-LLB (Hons) course, they would be in a position to add to their professional graph, one of the most sought-after futuristic areas-the field of arbitration.</p>
	<p>The Association of Commonwealth Universities: We are a proud member of the Association of Commonwealth Universities and are actively participating in all its affairs. The University won the prize in the Social Outreach category in a competition held in the UK. It also bagged an Honourable Mention prize for its 2012 Annual Report.</p>
	<p>American Society of Quality (ASQ) India Ltd: A Students' Chapter has been established with The American Society of Quality (ASQ) India Ltd to provide a certificate programme for students. We are the first university in India to be selected by ASQ to form a thriving Students' Chapter</p>
	<p>Accreditation Services for International Colleges (ASIC) UK: A respected international accreditation body for academic institutions worldwide, reaccredited The NorthCap University with a status of 'Premier University' for a period of four years from Nov 2016. The University was awarded a grade of 'Commendable' in seven out of eight measurable areas of the university's operations.</p>
	<p>Association of Indian Universities (AIU): The University is now a member of the Association of Indian Universities (AIU). This has enabled us to refer to AIU for educational guidance to help improve standards of instruction, examination, research, textbooks, scholarly publications, participation in youth festivals or sports activities, publishing bibliographies of doctoral theses, and other such programmes which may contribute to the growth and propagation of knowledge.</p>
	<p>Virtual Labs IIT Delhi: The Northcap University is a nodal center of Virtual Labs by IIT Delhi which is an initiative of MHRD, Government of India under the aegis of NMEICT. It is a paradigm shift in ICT-based education. Virtual Labs have been designed to provide remote access to labs in various disciplines of Science and Engineering and caters to students of all levels. Virtual Labs enable the students to learn at their own pace and enthuse them to conduct experiments. Virtual Labs also provide a complete learning management system where the students can avail various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.</p>
	<p>Spoken Tutorials IIT Bombay: Spoken Tutorials, IIT Bombay: An MoU has been signed between Spoken Tutorial Project, IIT Bombay and The NorthCap University. The agreement helps the University in conducting software training programmes in collaboration with IIT Bombay.</p>
	<p>ISEP: We are direct members of ISEP, under which the students can be sent for a semester or a year to over 54 ISEP universities in 30 countries at an affordable cost. The host Universities transfer credits after students complete all requirements. Students who have cleared their first two semesters at The NorthCap University are entitled to apply.</p>
	<p>American Society of Civil Engineers (ASCE): Collaboration with American Society of Civil Engineers (ASCE), Reston, Virginia, United States for conducting ASCE's recorded / on demand webinars (with a local expert present) as well as holding conferences and continuing education activities at The NorthCap University, Gurgaon.</p>
	<p>MoU Signed with the Gurujal Society: The NorthCap University has signed an MoU with the Gurujal Society (District Administration Gurugram) for working together towards academic work and various social and environmental problems. Key areas of cooperation include involvement in community service and sustainable development goals to offer certificate programs to Gurujal members. Conduct workshops & executive development programs for Govt. Officials. The MoU was signed by Mr. Nishant Kumar Yadav, IAS, Deputy Commissioner Gurugram & Col. Bikram Mohanty (Retd.) Registrar, NCU.</p>

Industry Collaborations

	<p>Indian Space Research Organization (ISRO): MoU between ISRO, Dept of Space, Govt. of India, Ahmedabad, and The NorthCap University for IRNSS Navigation Receiver Field Trial and Data Collection that will enhance research and innovation at the University.</p>
	<p>National Technical Research Organisation (NTRO): Memorandum of Understanding signed between National Technical Research Organisation (NTRO) Govt. of India and The NorthCap University. NCU is responsible to actively collaborate in R&D projects to be taken up through mutual consultation and ensure their execution on time.</p>
	<p>Maruti Centre for Excellence (MACE): An MoU was signed between NCU and Maruti Centre for Excellence (MACE) in April 2018 to collaborate in the field of Training and Development of NCU students through practicals, theoretical trainings and projects during their internships. The collaboration extends to technical seminars and guest lectures also. The MoU will provide a platform to the students of Department of Mechanical Engineering to enhance their technical skills followed by employability.</p>
	<p>Hero MotoCorp Ltd. : MOU for Road Safety Training was signed between The NorthCap University and Hero Moto Corp on November 2022.</p>
	<p>Delta Power Solutions India Pvt Ltd : Collaboration with Delta Power Solutions India Pvt Ltd to develop and execute education and research projects, promote development of syllabi and activities that support research and development through work-integrated learning programmes– Cooperative Education. The partnership agreement was signed in January 2017.</p>
	<p>BMW: The NorthCap University has become a part of the BMW India's 'Skill Next' programme aimed at imparting hands-on expertise and practical training to automobile engineering students across the country.</p>
	<p>IBM Skills Build: The University entered in agreement for IBM Skill Build Programme in April 2021. Under this agreement, a digital learning platform specially created and curated for teachers and students is provided. There are resources available for faculty and students on the current trending topics like Artificial intelligence, Block chain, Cyber Security, Data Science, IOT, Design Thinking, Sustainability, Professional Skills etc.</p>
	<p>Daikin Air-Conditioning India Pvt Ltd : An MoU was signed between The NorthCap University and Daikin Air-Conditioning India Pvt Ltd (DAIPL) on 26 March 2018 to establish a 'Centre of Excellence' on HVAC Systems at the university that will impart practical skill training and industrial exposure to the students on the campus. The Centre of Excellence (CoE) is one of its kind set up by the Japanese Company – Daikin India in any educational institution in Gurugram.</p>
	<p>National Highways Authority of India (NHAI): National Highways Authority of India (NHAI) has signed a Memorandum of Understanding (MoU) with The NorthCap University to facilitate the faculty, researchers, and students of the University to familiarize themselves with the latest trends in the highway/transportation sector with the common objective of sharing the knowledge in their respective domain. It will further bridge the gap between Industry and Academia.</p>
	<p>The NorthCap University has signed an MoU with GreenTree Global Pvt. Ltd. on November 2022. Registrar, NCU, and Mr. Dhruv Jain, Director, GreenTree Global signed on behalf of their respective organisations. Dr. Vaishali Sahu, Head of Civil & Environmental Engineering, Coordinated.</p>

	<p>MOU with Software Technology Parks of India (STPI): The NorthCap University signed an MoU with Software Technology Parks of India (STPI) on August 2022 to enhance the startup ecosystem in the University.</p>
	<p>View360 Degree Pvt. Ltd. : The NorthCap University signed an MoU with View360 Degree Pvt. Ltd., Gurugram on April 2022</p>
	<p>XR Central Pvt. Ltd. : The NorthCap University signed an MPU with XR Central Pvt. Ltd., Gurugram on May 2022</p>
	<p>Gemini Solutions: The MOU signed between Gemini Solutions and The NorthCap University in August 2022</p>
	<p>International Centre for Automotive Technology (ICAT) : The MOU signed between ICAT and The NorthCap University on August 2022</p>

*Refer Annexure E for the further details



Vice Chancellor, Prof (Dr.) Nupur Prakash signing MOU with Software Technology Parks of India



MOU signing ceremony with Green Tree Global officials by Registrar



Vice Chancellor, signing MOU with View360 Degree Pvt. Ltd.



Faculty Recognitions and Awards

Outstanding Jury Selection Award

Quality Council of India invited Prof. Prem Vrat during the Silver Jubilee Celebration to confer with the 'Outstanding Jury Selection Award.' on 06th Oct 2022 at Dr. Ambedkar International Centre, New Delhi. It was for his sustained leadership role in establishing institution-wide policies and best practices and inspiring a culture of excellence in teaching & learning as a leader in Engineering education. Outstanding Jury.

Lifetime Achievement Award

Prof. Prem Vrat, Pro-Chancellor, was conferred the 'Lifetime Achievement Award' by the Institute of Management Technology (IMT), Ghaziabad. The award was given in recognition of his dedication to research and teaching in Operation Management & Industrial Engineering on 27th July 2022 in Valedictory session of the International Conference on "Emerging Trends in Supply Chain and Operations" (ICESCO) in collaboration with POMS India chapter through virtual mode.

'Basant Samman' and 'Distinguished Alumnus Award' – 2021

Prof. Prem Vrat was the Chief Guest at the Annual Reunion Event IIT (ISM) BASANT – 2022, and during the Programme, he delivered the Foundation Day Address and conferred the 'Basant Samman' and 'Distinguished Alumnus Award – 2021' through virtual mode on 06th Feb 2022.

Education Leadership Awards 2021

APAC felicitated Prof. Prem Vrat with "Education Leadership Awards 2021" in recognition of an Exceptional Leader who made a difference and made extraordinary contributions to Education. He was also a panelist in APAC 3rd Global Education, and the Skill conclave happened virtually on 2nd Dec 2021 in a session on 'Admissions to Higher Education: Opportunities and Challenges.' He also attended the felicitated function held physically on 3rd Dec in Hotel Hyatt Regency, Bhikaji Cama Place, New Delhi.



Prof. Prem Vrat receiving APAC Education Leadership Award

Outstanding Scientist Award

Prof. Rita Chhikara, HOD CSE, was bestowed with the Outstanding Scientist Award during the International Research Awards on Science, Technology and Management held on 14-15 May 2022 in Chennai, India, organized by VDGGOOD Professional Association.

Young Researcher Award 2022

Dr. Deependra Singh, Assistant Professor, School of Management and Liberal Studies, The NorthCap University, Gurugram, got “Young Researcher Award 2022” for his research paper titled “Brand Experience-Brand Love Relationship for Indian Hypermarket Brands: The Moderating Role of Customer Personality Traits” published in Journal of Relationship Marketing (the Year 2021, Volume 20, Issue 1, Taylor and Francis) by Institute of Scholars, ISO 9001:2015 certified and registered under Ministry of MSME & Corporate Affairs, Govt. of India.

Best Research Paper Award

Dr. Vaishali Sahu has presented a paper titled, ‘Ecobricks – A Sustainable Solution to Plastic Waste’ at the International Conference on Innovation in Smart & Sustainable Infrastructure organized by Pandit Deendayal Energy University, Gandhinagar, India, from 23rd to 25th August 2022. The paper won the Best Paper Award during the conference.

Teacher’s Day 2022 Awards at NCU

<p>Best Teachers Dr. Poonam Chaudhary, Asst Prof, Sel Grade, CSE Dr. Srishti Asst Prof, Sel Grade, CSE Dr. Vandana Khanna, Associate Prof, ECE Dr. Nimit Gupta, Professor, SOM&LS</p>	<p>Best Researchers Prof. Hukum Singh, Prof, APS (1st) Prof. Rita Chhikara, Prof CSE Dept Dr. Mona Agarwal, Associate Prof, ECE Dept.</p>
<p>Best Academic Administrators Prof Rita Chhikara, Prof, CSE Prof Sharda Vashisth, Prof, ECE Dr Shrutimita Mehta, Dy Dean, Asst Prof, Sel Grade, CLL</p>	<p>Certificate Of Appreciations Dr Vaishali Sahu, Associate Prof, CEE Dept Dr Unanza Gulzar, Asst Prof, Sel Grade, SOL</p>



Dr. Poonam Chaudhary receiving award from Pro-Chancellor



Dr. Hukum Singh receiving award from Pro-Chancellor



Prof Rita Chhikara receiving award from Pro-Chancellor



Prof. Vaishali Sahu receiving award from Vice-Chancellor

Events and Activities from Schools and Departments

International Conference on Advance Trends in Computational Mathematics, Statistics and Operations Research (ICCMSO -2022)

Department of Applied Sciences, The NorthCap University, Gurugram, organized virtual International Conference on Advance Trends in Computational Mathematics, Statistics, and Operations Research from 3 April 2022. This conference was aimed to bring together the researchers working in the field of mathematics, statistics, and operations research for interaction and exchange of ideas. Plenary sessions were conducted by renowned experts from IITs, BITS, University of Delhi, DTU, Jamia Millia Islamia University, GGSIU, MDU, CCSU, University of Aberdeen, UK, Axum University, Ethiopia, etc. on topics related to Mathematics, Statistics, and Operations Research. The conference witnessed 300 registrations and 225 participations. Selected abstracts were compiled and edited in the form of an Abstract Book. Dr. Anshu Malhotra and Dr. Sanjay Yadav coordinated the conference.

IEEE Quarter Tech Talk Table 7.0 Edition

The IEEE student branch of The NorthCap University successfully hosted the IEEE Quarter Tech Talk Table 7.0 Edition in hybrid mode on 6th May 2022. The event's inaugural ceremony started with lamp lighting and introductory talks about the importance and relevance of Artificial Intelligence and Machine Learning by the Guests of Honour, Prof. Nupur Prakash, Vice Chancellor, The NorthCap University; Prof. Rita Chhikara, HOD, CSE, The NorthCap University; Mr. Sreenivas Jasti, Chair IEEE Hyderabad Section; Prof. Bozena Pasik Duncan, Professor, University of Kansas and Chair IEEE SSIT UAT TC, Mr. Karthik K, AI Engineer at Innovation Incubator Advisory; and Prashant R. Nair, Editor IEEE Region 10 Newsletter. Post this, Panel Discussion on the topic AI and ML inchmeal- Advancement for Career Development was held with eminent panelists sharing the career prospects in this field. The panelists included Ms. Preksha Kaparwan, Co-founder and CMO, Alpha AI; Mr. Shailesh Prabhu, Senior Technical Specialist, Nokia; Ms. Sudipta Debnath, Architect- Product Management, Cisco; and Dr. Jainendra Shukla, Assistant Professor; IIIT Delhi. This event was coordinated by Dr. Srishti and Dr. Poonam Chaudhary from the CSE Department along with Mr. Ramneek Kalra Cloud Support Associate at Amazon Web Services Inc., IEEE Impact Creator and Editor IEEE India Council Newsletter (2022-23), and a team of dedicated IEEE volunteers.

NCU International Game JAM 'Meta MAYDAY 1.0'

Department of Computer Science and Engineering, The NorthCap University organized an International Game Jam 'Meta May Day' from 6th - 8th May 2022 under the able leadership of Vice-Chancellor Prof. Nupur Prakash and Head CSE Prof. Rita Chhikara. Around 170 game developers and game enthusiasts from all over the world participated in the event. It was a 48-hour-long competition where the participants created and developed a functioning 2D/3D video game from scratch using any platform on the given theme. This International Game Jam aimed to promote and educate the younger generation in the field of game development, AR & VR and enlighten them on career options and opportunities in this field. It was held in hybrid mode. Workshops by eminent industry experts from Ubi Soft, Abu Dubai, were also conducted. The whole session was live-streamed on the NCU YouTube channel. The five-day-long event was very well organized by faculty coordinators Ms. Nisha Arya and Mr. Anand Seghal and student coordinators- Sidhant Gumber 19csu308, Satvik Nagpal 19csu280, Shubham Drolia 19csu302, Prashant Gupta 19csu218, Nitesh Kapur 19csu198, Satyender Hooda 20csu100, Tushant 20csu113, Gaurav Pratap Singh 18csu072.

Professional Advancement Program for Indian Women Researchers in STEM

Dr. Rita Chhikara, Dr. Meghna Sharma, and Dr. Poonam Chaudhary from the Department of CSE attended a Professional Advancement Programme for Indian Women Researchers in STEM sponsored by DST, SERB, Govt. of India organized at Doon University Dehradun from 2nd - 4th June 2022. It was an extremely interactive and informative programme. It was a two-day workshop-cum-professional advancement program to enable Indian women researchers in STEM (Science, Technology, Engineering, and Mathematics) to acquire competence for ensuring equal access and weighted opportunities.

Three Days Executive Development Programme

School of Law, NCU in Association with the District Legal Service Authority and Latest Laws organized a Three-Day Executive Development Programme on 'Training of the Trainers: An Insight into the Juvenile Justice (Care and Protection of Children) Act, 2015 and The Protection of Children from Sexual Offences (Amendment) Act, 2019' from 27th - 29th April 2022. The CWCs, JJBs, Police Personnel and other agencies involved in the implementation of the above-stated laws were the participants of the event. The objective was to sensitize the participants toward the JJ Act, 2015, and the POCSO Act, 2019 and to create clarity and understanding of the roles and responsibilities of the JJ Board and law enforcement agencies. The law fraternity witnessed energetic and mesmerizing sessions on Juvenile Justice from Kailash Satyarthi Child Foundation: Child Sexual Abuse and its implications instead of the UNDP were elaborated upon by Ms. Shikha Hundal, presently serving as a Scheme Coordinator & Senior Counselor in the Department of Justice, Ministry of Law, and Justice. Moreover, Ms. Vageshwari Deswal, an academician, jurist, and activist, held another enthralling session about the POCSO Act, where the critical presentation of provisions of the Act was enumerated. Dr. Pallavi Bajpai, Assistant Professor, and Dr. Unanza Gulzar, Assistant Professor were the organizers of the event.

First Edition of the Intra Law School Moot Court Competition

The School of Law conducted the First Edition of the Intra Law School Moot Court Competition from 4th -5th March 2022. It was a platform for young minds to explore niche areas of law and to train them in Mooting Skills and Court Manners. The problem for the competition focused on the law relating to 'Personality rights' and 'Contractual Obligations'. Judges of the event were Mr. Gurudatta Ankolekar, Mr. Purushottam Sharma Tripathi, and Mukesh Kumar Singh, Advocates on Record practicing in the Supreme Court of India. The Valedictory ceremony was graced by Sh. Rameshwar Singh Malik, Senior Advocate and Former Judge, High Court of Punjab & Haryana, and Prof. (Dr.) Afzal Wani, Professor of Law, University School of Law, and Legal Studies, GGSIPU, New Delhi. The runner-up's team members were Nandini Verma, Aryan Choudhary, and Kumari Tanu. The Winners were Prithvi Vallabh Chaturvedi, Tanu Mehta, and Nidhi Garg.

Indo-Israel Symposium on Women in STEM

Dr. Chetna Tyagi and Dr. Pooja Punyani from the Department of Applied Science, NCU, with Dr. Lena Yadgarov from the Department of Chemical Engineering, Technion-Israel Institute of Technology organized a Two-day 'Indo-Israel Symposium on Women in STEM' in hybrid mode during March 29-30, 2022. The Women in Science, Technology, Engineering, and Mathematics (STEM) symposium aims to bring together leading academic scientists, researchers, and research scholars to exchange and share their experiences and research results on all aspects of Women in STEM. Eminent women Scientists and Researchers from IUAC, New Delhi, Dr. B.R. Ambedkar University, Weizmann Institute of Science, Technion-Israel Institute of Technology, Ariel University, and Holon Institute of Technology participated in the symposium.

F&EDP on Business Case Writing

NCU Case Research Centre (NCRC), under the aegis of the School of Management, The NorthCap University has organized a four-day Faculty and Executive Development Program on Business Case Writing from 17th - 20th November 2021 on MS Teams. It aimed to discuss 'know-how' on case writing, its usage and instructions on structuring thoughts to write effective case. The trainers were Prof (Dr.) Swaranjeet Arora, Head, SOM, and NCRC and Prof (Dr.) Nimit Gupta, Co-Head, NCRC. Dr. Shaveta Sachdeva. Dr. Sahil Malik, and Ms. Minakshi Sehrawat coordinated the event. SOM2021FO001

Capacity Building and Personality Development Program

In collaboration with the IEEE Student Branch, the Department of Computer Science and Engineering organized a Capacity Building and Personality Development Program, sponsored by the National Commission for Women, on 18th November 2021. More than 150 students attended this program which comprised three modules, namely Personal Capacity Building, Professional-Career Skills, and Digital Literacy & Effective use of social media. The respective speakers for the three modules were Ms. Tarannum Raza, Professional Career Counsellor from 'Time', Dr. Jyotika Pruthi, Senior Learning Scientist at Coursera and Ms. Aparajita Sinha, Assistant Manager in the Cyber Trust Division at KPMG. The program was coordinated by Dr. Srishti and Dr. Poonam Chaudhary under the guidance of Prof. Kavita Khanna, HOD, CSE.

Co-Teaching Session on CSL209 Data Structures

A co-teaching session between UAG, Mexico, and NCU was conducted on the 16th and 18th November for all the students. Prof. Zaira from UAG, Mexico, conducted the first session on 16th November on binary trees as a part of the course CSL209, Data Structures. Another session on Linked Lists was conducted by Ms. Prerna Singal and Mr. Sumit Kumar for the students of BTech CSE, UAG Mexico. The session was conducted as part of the Advanced C Programming course being run at UAG, Mexico. It was facilitated by Prof. Zaira from UAG, Mexico.

Webinar on Reproductive Choice of Women

In collaboration with the IEEE Humanitarian Activities Committee, the Department of Computer Science and Engineering organized a webinar on 'The Reproductive Choice of Women- A Fundamental Right,' sponsored by the National Commission for Women, on 11th November 2021. The resource persons for the webinar included Smt. Preeti Bhardwaj Dalal, officiating Chairperson, Haryana State Commission for Women; Dr. Anupama Goel, Professor of Law and Registrar, National Law University, Delhi; Ms. Ira Singhal, IAS; Dr. Anupama Bahadur, Professor and Unit Head, Department of Obstetrics and Gynaecology, AIIMS Rishikesh and Prof. Manjula Batra, Senior Professor of Law, The NorthCap University. Dr. Srishti and Dr. Poonam Chaudhary under the guidance of Prof. Kavita Khanna, HOD, CSE, coordinated the event.

Workshop on 'Research Paper and Report Writing in LaTeX'

Dr. Anshu, Dr. Rajni Rohilla, and Prof. C B Gupta conducted a workshop on 'Research Paper and Report Writing in Latex' on 1st October 2021. The workshop was intended for graduate, post-graduate, research scholars and faculty members to provide a broad overview of the basic concepts, operational algorithms, and recent theories related to LaTeX. Prof. Suresh Kumar, Indira Gandhi University, Meerpur, Dr. Anshu, and Dr. Rajni (NCU) were the keynote speakers. APS2021WA001

Joint Project Presentation – NCU, INDIA and UAG, MEXICO

An online joint project presentation on the 'Covid Chatbot' was held on 3rd December 2021. Professors from both universities, NCU, India, and UAG, Mexico, attended the event. Professors Zaira Zuviría and Gerardo Adrian Martinez Fernandez from UAG and Professors Purna Singhal and Neeti Kashyap from NCU oversaw the event and guided the students. The students were tasked to create a covid chatbox using C programming language.

Virtual EDP on Tax Planning and Filing of Returns

The School of Management and Liberal Studies organized a Virtual Executive Development Program on 'Tax Planning and Filing of Returns' on 10-11th December 2021. CA Abhishek Jain was the resource person. The objective was to familiarize participants with the Income Tax rates applicable and compliance with the tax provisions for tax planning. Prof. Swaranjeet Arora, Dr. Neha Kumar, and Dr. Mansi Vinaik coordinated the event. SOM2021FO002

Webinar on 'Energy Conservation: A Way Ahead for Cleaner and Greener Future.'

Department of Mechanical Engineering under the aegis of IIC NCU organized a webinar on National Energy Conservation Day i.e., 14 December 2021. The topic was 'Energy Conservation: A Way Ahead for Cleaner and Greener Future.' This event was coordinated by Dr. Akanksha Mathur and Dr. Satnam Singh from Mechanical Engineering Department. (MED2022O001)

Webinar on 'Orientation ISHRAE Student Chapter and Technical Session on Heat Load Calculation.'

The Department of Mechanical Engineering invited Ms. Glory Srivastava, current President of the ISHRAE Lucknow Chapter, for an expert webinar session on the orientation of students for the ISHRAE student chapter on 22 November 2021. Ms. Glory is a Principal Architect and Founder of Build green design and program chair of the ASSOCHAM GEM Green Building Certification Program, Uttar Pradesh Chapter. Dr. Akanksha Mathur coordinated the event. (MED2022O002)

Webinar on 'Heat Load Calculation.'

The Department of Mechanical Engineering invited Mr. Yogesh Bhardwaj (Student chair -ISHRAE Gurugram chapter) for an expert talk through the webinar on the topic 'Heat Load Calculation' on 22 November 2021. Mr. Yogesh Bhardwaj is the Founder and Director of E-Conserve Resources Pvt. Ltd. Dr. Akanksha Mathur coordinated the event. (MED2022O003)

Webinar on MWPC Act and other Legal Provisions for Senior Citizens

On 8 December 2021, a sensitization webinar on the 'MWPC Act and other Legal Provisions for Senior Citizens' was conducted. It was organized by the National Institute of Social Defence, MSJE, collaborating with RRTC Anugraha and The NorthCap University. It was intended to spread awareness on the issue of senior citizens amongst the students of SOL. The speakers for the webinar were Dr. Archana Sarma, Head and Associate Professor, School of Law, and Dr. Tavleen Kaur Khurana, Assistant Professor, School of Law. (SOL2021O86)

Virtual Alumni Meet 2022, Department of ME

Department of Mechanical Engineering organized a Virtual Alumni meet on 19th February 2022 through the MS Teams platform in which about 44 ex-students from different batches of the Mechanical Engineering, NCU, Gurgaon, gathered to relive old memories. The event was inaugurated by Dr. Rohit Singh Lather, Head, Department of Mechanical Engineering. Panel discussion comprised of 6 industry experts moderated by our Alumni Mr. Danish Kapoor (Batch of 2013-17), working as an Internal Auditor, at Key sight Technologies. The speakers of the event were Mr. Avinash, CEO of DIY Guru and Mentor of Change - AIM, NITI Aayog. Mr. Bibhu Singh, Events & Marketing Manager at ICAT. Dr. Anuj Sharma, Corporate Trainer at Siemens Centre of Excellence. Mr. Sahil Bangia, Project Steering Specialist, BMW India, and Mr. Palak Khadke, Assistant Manager, Blue Star Limited. Mr. Danish Kapoor delivered the vote of thanks. Faculty Coordinator was Mr. Anmol Bhatia and student coordinators were Aayush Kumar, Aditya Ranjan, and Mohit Sharma (MED2022O002)



Workshop on Green Buildings and Energy Management

Department of ME organized a workshop on 'Green Buildings and Energy management' on 05 May 2022 in the CAD lab for B.Tech. IV, VI, and VIII semesters B.Tech. students. The lecture was followed by a hands-on session was delivered by Mr. Gautam Aswani, currently Manager-Sustainability services at Design2Occupancy Services and previously Deputy Manager at GRIHA Council. The event was coordinated by Dr. Akanksha Mathur, ME Department. (MED2022O007)

Workshop on Road Safety Awareness

The Department of ME organized a Workshop on Road Safety Awareness in collaboration with Hero Moto Corp. on 29th April 2022. Mr. Sudhanshu, from Hero, gave a brief introduction on Traffic Distancing and discussed issues on road accidents. The session was coordinated by Mr. Anmol Bhatia and Dr. Roshan Raman. (MED2022O004)

Preplacement Interview Session

The Department of Mechanical Engineering organized a Pre-Placement Interview session for Mechanical 3rd year students on 30th April 2022. The session was conducted by our alumni, Mr. Danish Kapoor (IT and BP Auditor, Keysight Technologies-Alumni of 2014-2017 B. Tech Batch), Mr. Kapil Gupta (Assistant Engineer, Ministry of Housing and Urban Affairs-alumni, 2015-18 M. Tech batch), Mr. Akshit Gupta (Production Engineer, Plasser India- alumni, 2015-19 B. Tech batch), Mr. Anubhav Bhatia (Sr. Business Associate, Flipkart (ANS Commerce), alumni of 2016-20 B.Tech batch). The panel analyzed the students on various aspects like Technical Knowledge, Communication, HR Grooming, etc. The session was coordinated by Mr. Anmol Bhatia and Dr. Roshan Raman, ME. (MED2022O005)

University Level Smart India Hackathon 2022

Computer Science and Engineering Department, The NorthCap University organized University-level Smart India Hackathon 2022 on 29th March 2022, at the Incubation Centre 28 teams, comprising 168 students from different schools and departments of the university registered and participated in the event. For a better understanding and evaluation of the team's proposals, a brainstorming session was also organized on 28th March 2022. It helped enhance peer learning in students.

Marg Darshan

Department of Computer Science and Engineering, The NorthCap University, organized 'MargDarshan', a career guidance and technology connect online bootcamp (online)for classes IX to XII. The event included a Panel Discussion (career counseling) with the following panelists: Mr. Narinder Kamra, CEO, vDoIT Technologies Pvt. Ltd.; Mr. Rajinder Chitoria, Co-founder of Froyo Technologies; Mr. Vineet Gupta, Team Lead, Gemini Solutions; Prof. Rita Chhikara, Head, Computer Science and Engineering and Prof. Pankaj Agarwal, Lead, Data Science, CSE and a Project Presentation Competition on Multidisciplinary Emerging Domains. The winners were Shaurya Khatri Team (1st prize) from Mount Carmel School, Dwarka, Aryan Lohchab, Ansh Agrawal, Arnab Bansal, Vansh Gupta, and Yash Dagar along with Sonu Lohchab (Faculty Coordinator) from DAV Public School, Sector-49, Gurugram.



Webpage Creation Competition

A Webpage Creation Competition was organized by IEEE Women in Engineering Affinity Group at The NorthCap University in collaboration with Humanitarian Activities Committee and Code Arts at The NorthCap University on 22nd April 2022. The event focused on celebrating Earth Day by honoring mother earth and giving students a chance to enhance their coding skills by creating a webpage based on the idea revolving around the environmental conservation of our planet.

Outliers Quiz

The IEEE student branch of The NorthCap University conducted a Statistics Quiz, Outliers 2.0 on 14th April 2022. This quiz was the second in a series of Statistics quizzes conducted by the IEEE Student Branch every year and covered topics such as Descriptive Statistical Measures, Probability, Discrete and Continuous Probability Distributions, Hypothesis Testing, etc. 150+ students participated in the quiz competition. Faculty coordinators were Dr. Srishti and Ms. Sonal along with student coordinators Aarjav Vajyapee and Arpit Chauhan.

Workshop on 'Cyber Security-Defence against Digital Dark Arts'

SOCER Club conducted a workshop on 'Cyber Security-Defence against Digital Dark Arts', by Mr. Rahul Vashisht, Solution Advisor, Deloitte on 13th April 2022. The workshop aimed to bridge the gap between industry and academia and enrich students with skills and knowledge in the domain of cyber security and provide hands-on sessions on the latest cyber threats and counter-defense tools.

Quiz-o-Hunt

The Sports Club 'Run-A-Thonia' hosted Quiz-o-Hunt on the 21st and 22nd April. It was a quiz of 20 questions that were supposed to be completed by one member of a team. 20 seconds were given for each question. Six teams then proceeded on a treasure hunt which was the second part of the event. The treasure hunt event started with a small entertainment break that was hosted by the 'The Hood Club' followed by the Treasure Hunt round. The winner was team Red Rapid.

Online Gaming Challenge

The Department of CSE, NCU under the Game Mantra Club organized an online gaming challenge 'Valorant' from 25th - 30th April 2022 on Discord Platform. The game challenge was taken by 18 teams and a total of 90 students from different colleges and schools participated. Team 'Gasty Negus' (members: Aryan Kumar, Krish Yadav, Saurabh Singh, Manavdeep Singh, and Ghanisht Nagar) was the winner. Tushant 20CSU113, Satyender Hooda 20CSU100, and Sarthak Bhardwaj 20CSU139 coordinated the event along with faculty, Ms. Nisha Arya.

Mobile Computing Lecture Series

The expert Lecture Series on 'Mobile Computing' was organized by the EECE Students' Chapter of the IEI professional society. This was a certification program on Mobile Computing delivered by Honorary Adjunct Professor in EECE Dept- Prof. H M Gupta. A total of 8 online lectures were conducted on Saturdays from 5th Feb - 7th May 2022. Dr. Vandana Khanna (Chapter Advisor) and Prof. Sharda Vashisth (HoD, EECE Dept) coordinated the series.

Tinkering Lab Project Competition

A Tinkering Lab Project Competition was organized on 7th April 2022 under the ECE Students' Chapter of the IEI professional society at The NorthCap University Gurugram. Students were encouraged to develop innovative projects or to renovate/restructure the existing projects of the Tinkering Lab for making them more efficient. Dr. Vandana Khanna (Faculty Adviser of the ECE Students' Chapter of IEI at The NorthCap University) and Dr. Yogita Gigras coordinated the event.

Faculty Development Program on 'NCU Library E-Resources and Services for Enhancing Teaching & Research'

The Central Library of the University (LIRC) has subscriptions to various e-resources including databases, e-books, and e-platforms. To provide hands-on training a Faculty Development Program on 'NCU Library E-Resources and Services for Enhancing Teaching & Research' was organized by the University from 28th - 30th April 2022. Sessions were conducted on Springer, VPN, Westlaw, EBSCO, TMH, Manupatra, ProQuest, and SCC online. Dr. Vandana Khanna (Chairperson- Library) coordinated the FDP with the help of library staff members.

Webinar by Researchers' Club: 'Future of mobile services and App Industry'

The Researchers' Club and IIC NCU in collaboration with Huawei India organized a webinar on the topic 'Future of Mobile Services and App Industry' on 30th March 2022. Three speakers from Huawei India Dr. Shriram Vasudevan, Mr. Murali, and Mr. Rebantta Dutta enlightened the students. Around 45 students along with faculty mentor Dr. Mona Aggarwal attended the webinar.

Java Bootcamp

Programming Club organized interactive workshops on the first three units of Java for first-year students. The workshop was conducted in online mode for three days from 27th - 29th April 2022.

Workshop on Game Prototyping

The Department of CSE, The NorthCap University, organized a workshop on 'Game Prototyping' on 4th May 2022. The resource persons for this workshop were Mr. Shivam Awasthi, Sr, Technical Artist, Ubisoft, Abu Dubai. Mr. Awasthi educated and inspired the audience by talking about the tips and tricks to develop a game prototype, and the current growth of the gaming industry and the scope for the future. The whole session was live streamed on the NCU YouTube channel.

Webinar on Women in Gaming

The Department of CSE, The NorthCap University, organized a webinar on 5th May 2022 on the topic 'Women in Gaming'. The resource persons for this webinar were Ms. Surbhi Bhatnagar, Product HoloLens, Microsoft, and Mr. Shrey Mishra, Founder, XR Game Central. Ms. Surbhi and Mr. Shrey inspired the audience by talking about the women leaders in the Gaming industry and how the design elements of the game can be developed with simple ideas. The whole session was live streamed on the NCU YouTube channel.

Workshop on Design Thinking, Critical Thinking & Innovation Design

The Department of CSE and IIC NCU conducted a workshop on Design Thinking, Critical Thinking & Innovation Design for faculty members, students, and staff members on 19 Jan 2022 on MS Teams. The workshop aimed to inspire, empower and enable students to create solutions for the new challenges that have social as well as economic impacts. The speaker Dr. Avtar Singh, Professor and Director, Incubation and Startups, NCU provided insight into methods for practical, creative resolution of problems, and the creation of solutions. The faculty coordinator for the event was Dr. Poonam Chaudhary and the student coordinators were Mr. Hemant Chopra, Mr. Rohit Dalal, and Mr. Nitesh Kharb.

Event 'Swaraj'

Udaan Club, NCU conducted an event 'Swaraj' in which participants made presentations or videos on the biography of any freedom fighter of India, role in India's independence, achievements, etc. The event aimed to make the participants learn who the freedom fighters of India were and what they did for our country. The event was organized from 24th - 27th January 2022.

Design Day 2022

The Department of CSE organized Design Day 2022 on from 1st to 3rd February 2022 to promote and encourage the problem-solving and design-thinking skills of the B.Tech first-year CSE students. The theme of the event was Covid-19, Sustainable Development Goals, and Business Ideas. Students presented their projects through posters, presentations, and videos by implementing the design principles ranging from Empathize, Define, Ideate, and Prototype to Testing. 103 different creative project ideas were presented by 447 students. Solutions like Sensing the Water Needs & Automatic Irrigation (SWNAI), Technology problems in Villages, Automobile Industry Related, Smart Home Solutions, Plastic Waste Recovery Systems, Illiteracy, Automated Farming, Luxury Cars, Child Labour, Depression among youngsters, NCU Navigator, etc were proposed. Dr. Shaveta Arora, Ms. Garima Sharma, Dr. Hitesh, Ms. Gurjapna Kaur, and Ms. Neha Goyal evaluated and rated the projects.

Webinar on Energy Conservation: A Way Ahead for a Cleaner and Greener Future

The Department of Mechanical engineering under the aegis of IIC NCU has organized a webinar on National Energy Conservation Day on 14th December 2021 on the topic 'Energy Conservation: A Way Ahead for a Cleaner and Greener Future.' The webinar was attended by 114 students. Dr. Akanksha Mathur and Dr. Satnam Singh from Mechanical Engineering Department coordinated the event. (MED2022O001)

Webinar on 'Orientation ISHRAE Student chapter and Technical Session on Heat Load Calculation'

Department of Mechanical Engineering invited Ms. Glory Srivastava, President of the ISHRAE Lucknow Chapter for an orientation session for the ISHRAE Student Chapter. Ms. Glory is a Principal Architect and Founder of Build green design and Program Chair of the ASSOCHAM GEM Green Building Certification Program, Uttar Pradesh Chapter. The students gained insights into the working and industry association of 'The Indian Society of Heating, Refrigerating, and Air Conditioning Engineers (ISHRAE)' professional society. The event was coordinated by Dr. Akanksha Mathur, ME department. (MED2022O002)

Webinar on 'Heat Load Calculation'

Department of Mechanical Engineering invited Mr. Yogesh Bhardwaj (Student Chair -ISHRAE Gurugram Chapter) for an expert talk on the topic 'Heat Load Calculation' on 22nd November 2021. The event was coordinated by Dr. Akanksha Mathur, ME department. (MED2022O003)

Expert Talk in AICTE Sponsored FDP on 'Sustainable Approach to Mitigate Exhaust Pollutants in CI Engine'

Dr. Roshan Raman delivered the 11th weekly Academic Lectures in the Department of Mechanical Engineering, ITER under Siksha 'O' Anusandhan (Deemed to be University-NIRF 37,2021) Outreach Programme. The expert talk was on 'Sustainable Approach to Mitigate Exhaust Pollutants in CI Engine'. (MED2022I001)

National Science Day Celebration

National Science Day Celebration was conducted on 28th February 2022 to commemorate the discovery of the Raman Effect by great Indian Physicist Sir Chandrashekhara Venkata Raman. Department of Applied Sciences celebrated this day by organizing a series of events including quiz, speech competition, and an expert lecture. The celebration was concluded with the distribution of prizes to all winners by Professor Prem Vrat, Professor C. B. Gupta, and Professor Amitava Sen Gupta. Faculty coordinators were Dr. Sunita Sharma, Dr. Rajni Rohila, and Dr. Anshu Malhotra. Student coordinators were Lehar Sharma, Abhishek, and Ritesh Sharma.

Workshop on Intellectual Property Rights

Dr. Anshu, Dr. Sanjay Yadav, and Prof. C B Gupta jointly conducted a workshop with 'National Intellectual Property Awareness Mission-NIPAM' on Intellectual Property Rights on 22nd January, 2022. The objective was to shape an environment that is conducive to fostering creativity & innovation in the country. The workshop was attended by 186 candidates including students and faculty. Mr. Manish Soyal- Examiner-Patents and Design (NIPAM), Dr. Anshu, and Dr. Sanjay Yadav (NCU) were the keynote speakers of the workshop.

Alibaba Cloud Low-Code Development Contest 2022

The Department of CSE and IIC NCU conducted a boot camp for 'Alibaba Cloud Low-Code Development Contest 2022', for NCU students on 03rd March 2022. The bootcamp aimed to make students aware of this contest and the rules of participation.

Online Session on 'Differential Equations on Time Scale'

Dr. Astha Chauhan and Prof. Prabha Sharma conducted an online session on 'Differential Equations on Time Scale' on 5th March 2022. The session was intended for undergraduate students, post-graduate students, research scholars, and faculty members of Engineering and Sciences. Around 155 candidates including students and faculty for the session. Dr. Muslim Malik, Associate Professor, School of Basic Sciences, IIT Mandi was the keynote speaker of the session.

Expert Session on Optical Communication

An expert session on 'Optical Communication' was conducted by Dr. Nitin Goel (Backbone Network Planner at Facebook, Menlo Park, California, USA) with final year undergraduate students of BSc (H) Physics and faculty members on 11th May 2022. The session was coordinated by Dr. Sunita Sharma.

Guest Lecture on Water Security

A guest session on 'Water Security in Water Distribution Systems during Disasters' was organized on 22nd February 2022. Dr. Shweta Rathi, Associate Professor, and Head, Medi-Caps University, Indore was the expert and speaker for the session. She provided insights into how a disaster negatively influences the emergency systems and lifeline structures like water supply and distribution.

Expert Session on 'Dreams Simplified- Application Process for Higher Studies Abroad'

The SPACE Society (Society in Pursuit of Advances in Civil Engineering) of the Department of Civil & Environmental Engineering, organized an Expert Talk on the topic 'Dreams Simplified- Application process for Higher Studies abroad' on 25th February 2022. The session was delivered by Dr. Abhishek Koduvayur Venkitaraman wherein he shared insights on important things to take care of while applying for various scholarships to study abroad. Mr. Lokesh Choudhary, faculty CEE organized the session.



Expert Session in progress in Smart Classroom

Lecture Series: Mechanics of Advanced Materials

Department of Civil and Environmental Engineering launched a lecture series on the topic, 'Mechanics of Advanced Materials' to bring awareness in students about the advanced materials being applied in various fields of engineering. The first lecture was taken by Dr. Aman Garg, Assistant Professor, Department of Civil and Environmental Engineering, NCU on 24th February 2022.

Idea Challenge: Competition on making Groundwater Visible

To mark the World Water Day 2022, Department of Civil & Environmental Engineering, The NorthCap University organized a competition, Idea Challenge from 22nd - 31st March 2022. The core focus of the observance was to support the achievement of Sustainable Development Goal (SDG) 6: Water and Sanitation for all by 2030 with the theme Groundwater: Making Invisible Visible. Students were encouraged to submit fresh and innovative ideas for effective groundwater use and management, and ways to reduce exploitation of groundwater. The event was organized and coordinated by Dr. Vaishali Sahu. (CEE2022O004)

4th Technical Poster Presentation Competition

The Society in Pursuit of Advances in Civil Engineering (SPACE), Department of Civil & Environmental Engineering, NCU organized the 4th Technical Poster Presentation Competition cum Midterm Project/ Dissertation evaluation for the students of 4th Year B.Tech. and 6th & 4th Semester (PT & FT) M.Tech. Civil Engineering on 2nd April 2022. Final year UG & PG students showcased their major project work and dissertation with technical posters, models, samples, and presentations. Ms. Megha Kalra, Industry Expert from NCCBM, Faridabad judged the competition and assessed the students along with Dr. Vaishali Sahu and Dr. Aman Garg.

Lecture Series: Mechanics of Advanced Materials (Episode 2)

Department of Civil and Environmental Engineering at NCU organized Episode 2 of the Lecture Series on Mechanics of Advanced Materials on 7th April 2022. The lecture was delivered by Dr. Mohd. Ataulah Khan, Assistant Professor, Department of Civil Engineering, Mahindra University École Centrale School of Engineering (MU), Hyderabad in online mode. The topic of the talk was, 'Functionally Graded Adhesively Bonded Multilayers: Modeling, 3D printing, and Testing'. The session was organized by Dr. Aman Garg, Assistant Professor, CEE, at NCU.

Uncovering Opportunities: Awareness Session on Water and Biodiversity

The Natural Resources Sustainability Club, Department of Civil & Environmental Engineering organized an interactive session for the students of Civil Engineering on 22nd April 2022 from 11:30 AM onwards, marking the occasion of Earth Day 2022. The speaker of the session was Ms. Madhumita Banerjee, Program Coordinator, Gurujal, District Administration, Gurugram along with her teammates Ms. Mehak and Ms. Adarsha.

Alumni Guest Lecture

Alumnus Ayushi Bansal delivered a lecture on 'Importance of Data Science for Maths Graduates' for B.Sc.(H) Mathematics and B.Sc. in Data Science students.



Alumni delivering Guest Lecture

National Case Study Competition 2022

The School of Management and Liberal Studies organized the National Case Study Competition 2022, organized by NCU's Case Research Centre with a special emphasis on innovative business models, entrepreneurial ventures, and contemporary issues. The competition held on 3rd March 2022 was designed in two rounds. Participating teams came from Apeejay School of Management (Dwarka), Delhi Skill and Entrepreneurship University, Bharati Vidyapeeth Institute of Management Studies and Research, Mumbai, and The NorthCap University.

Panel Discussion on the Annual Union Budget 2022

The School of Management and Liberal Studies organized a live webinar on 'Panel Discussion on the Annual Union Budget 2022,' on 10th February 2022. CA Abhishek Jain, CS Gopesh Sahu, and Prof. Jyoti Gogia (Professor, Dayalbagh Educational Institute) were the resource persons for the panel discussion. Prof. Swaranjeet Arora, Dr. Neha Kumar, Dr. Mansi Vinaik, and Dr. Shaveta Sachdeva were the faculty coordinators for the program.

Guest Talk on 'A Discussion on Entrepreneurial Marketing- Prospects & Challenges

E- Cell of School of Management & Liberal Studies in collaboration with IIC organized a Guest talk on 'A Discussion on Entrepreneurial marketing- Prospects & Challenges by Dr. Purvi Pujari, Associate Professor, BVIMSR, Navi Mumbai.

Session on 'Vishleshan: How to Crack a Case'

Exuberance Club and Marketing Marvels Club, School of Management and Liberal Studies, The NorthCap University, Gurugram organized a power-packed session on 'Vishleshan: How to Crack a Case' on 24 February 2022. The key speaker for this session was Prof. (Dr.) Nimit Gupta, School of Management and Liberal Studies, The NorthCap University, Gurugram. Dr. Akshat Aditya Rao, Dr. Namrata Anand, and Mr. Deependra Singh were the faculty coordinators for the event.

Economic Conclave 3.0

The Economic Collective Club of The NorthCap University organized a virtual event Economic Conclave 3.0 on 24th February 2022. This event was in continuation of the Series of Economic Conclaves held in 2019 and Economic Conclave 2.0 held in December 2020. The event was moderated by Ms. Harshita Jha.

Workshop on 'Life towards Cryptocurrency'

School of Management and Liberal Studies, NCU, organised a workshop on 'Life towards Cryptocurrency' by Ms. Samta Ahuja. Dr. Shaveta Sachdeva and Dr. Namrata Anand were the faculty coordinators for the event.

National Seminar on 'Identification of Abusive Relationships and Prevention of Domestic Violence'

On International Women's Day, 8th March 2022, the School of Management and Liberal Studies organized a National Seminar on 'Identification of Abusive Relationships and Prevention of Domestic Violence'. It was sponsored by the National Commission for Women, Government of India. The organizing team members were Prof. Swaranjeet Arora, Seminar Convener, Professor, and Head of Department; Prof. Nimit Gupta, Dr. Preeti Chawla, Dr. Priyanka Banerji, Dr. Neha Kumar, Dr. Mansi Vinaik, Dr. Shaveta Sachdeva, and Ms. Harshita Jha. The resource persons were Prof. Prem Vrat, Pro-Chancellor, Professor of Eminence and Chief Mentor, NCU; Prof. Manjula Batra, Former Professor and Dean, Faculty of Law, Jamia Millia Islamia, New Delhi; Dr. Subhradipta Sarkar, Associate Professor, Faculty of Law, Jamia Millia Islamia, New Delhi; Dr. Sunita Reddy, Associate Professor, Centre For Social Medicine and Community, Jawaharlal Nehru University, New Delhi; Dr. Kanu Priya, Associate Dean and Professor, Sushant University, Gurugram, and Ms. Shalini Kapoor, Founder and President Yatan NGO. The seminar was attended by 250+ participants.

Capacity Building and Personality Development Program Series

SOM & LS, NCU organized a Capacity Building and Personality Development Program, in virtual mode on 5th and 24th March 2022. The program was sponsored by the National Commission for Women, Government of India. The organizing team members were Prof. Swaranjeet Arora, Program Convener, Professor, and Head of Department, Dr. Preeti Chawla, Dr. Priyanka Banerji, and Dr. Mansi Vinaik. The resource persons were Dr. Anukool Hyde, Professor at Prestige Institute of Management and Research, Dr. Khushboo Makwana, Founder and Owner, Alpha Institute of Finesse and Mr. Manmohan Singh Ubeja, Vice President, India Shelter Finance Corporation Ltd.

Dr. Hyde deliberated upon Professional- Career Skills, Dr. Makwana discussed about Digital Literacy and Effective use of Social Media and Mr. Manmohan Singh spoke on Personal Capacity Building Skills.

Awareness Workshop on Cyber Bullying and Restorative Justice

The School of Management and Liberal Studies organized an Awareness Workshop on Cyber Bullying and Restorative Justice, on 21st April 2022, in association with Accords International, in virtual mode. The resource persons for the event were Ms. Akansha Marwah Co-founder, Accords International; Ms. Upasana Singh-Founder and CEO, Accords International. The event was coordinated by Dr. Mansi Vinaik and Dr. Neha Kumar with the support of student coordinator Ms. Harshita (20bae012).

Workshop on Entrepreneurship Skill, Attitude, and Behavior Development

SOL in association with ICC, the NorthCap University organized a workshop on 'Entrepreneurship Skill, Attitude, and Behavior Development' on 24th January 2022 via on Microsoft teams. There were 132 participants which included students and faculty. The speaker of the event was Mr. Avtar Singh, Professor of Practices and Director of Start-ups and Incubation at the NorthCap University. The event was coordinated by Dr. Unanza Gulzar.

Guest lecture on Defect-Free Environment

Prof SK Breja delivered a guest lecture at Jaipuria School of Business, Ghaziabad, 25th November 2021. The lecture was on 'Defect-Free Environment and Possible Quality Solutions in Today's Business- A Way Forward to Quality Practice for High Performance'. He discussed the statistical and creative problem-solving approach to control quality in the goods and services industry. SOM2021I016

Invited Lecture on 'Six Sigma in Design and Manufacturing'

Prof SK Breja delivered a lecture on the Azaadi Ka Amrit Mahotsav (75 years of Independence) celebrations. He deliberated on the topic of 'Six Sigma in Design and Manufacturing, with Special Focus on Process Industry, and Synergy of Six Sigma with Lean Principles.' The celebrations commemorated 10 Years of the Academy of Scientific and Innovative Research (AcSIR) and the 75th year of CSIR-NPL, with AcSIR and CSIR-NPL being the organizers. The lecture was attended by CSIR-NP scientists, engineers, students, and the faculty. SOM2021I017



Expert Lecture on Six Sigma in Design Manufacturing in Seminar Hall

AI Expert for Training Sessions of MANTHAN 2021

Dr. Poonam Chaudhary, Assistant Professor, CSE, has been selected as an AI Expert for the Training Sessions of MANTHAN 2021 organized by the Ministry of Education's Innovation Cell, AICTE, and BPR&D from 6th-10th December, 2021. She delivered three sessions on Data Science at ATAL FDP, organized by National Power Training Institute Power Systems Training Institute.

Seminar on 'How to do well in Group Discussion'

A seminar was conducted by The Sapient Club of NCU. The objective of the seminar was to improve the group discussion skills of students. The speaker was Ms. Tarannum Naseem Raza, an electronics and telecommunication engineer with 20 years of experience. The faculty coordinator for the event was Dr. Pooja Sabherwal.

PCB- Designing' Workshop

'PCB- Designing'- an offline workshop conducted by The Sapient Club of NCU in collaboration with the Crescent Agencies Pvt Ltd, was held in the Tinkering Lab. Students were taught the design process that combines component placement and routing to define electrical connectivity on a manufactured circuit board. The faculty coordinator was Dr. Pooja Sabherwal and 73 students attended the event.

Awareness Session on 'National Intellectual Property Awareness Mission (NIPAM)'

E-Cell (Entrepreneurship) Club, School of Management & Liberal Studies (SOM) in collaboration with the Institution's Innovation Council (IIC), The NorthCap University, Gurugram organized an awareness session on 'National Intellectual Property Awareness Mission (NIPAM)' under the initiative 'Azadi Ka Amrit Mahotsav' by Mr. Shailendra Singh, NIPAM officer, Examiner of Patents, Group A Gazetted Officer, Patent Office, Ministry of Commerce and Industry, Government of India on 11th March 2022. Faculty coordinators for this event were Prof. Swaranjeet Arora, Prof. Nimit Gupta, Ms. Shikha Yadav, Mr. Deependra Singh, Dr. Shaveta Sachdeva, Ms. Harshita Jha.

Workshop on 'CV Writing'

A workshop on the topic 'CV writing' was conducted on 31st March 2022 by The Sapient Club. Ms. Tarannum Naseem Raza, the speaker, is an electronics and telecommunication engineer with 20 plus years of experience in this field. Dr. Pooja Sabherwal was the coordinator.

Alibaba Cloud Website Building Contest

This Bootcamp was organized on 12th January 2022 wherein using ALICMS- Web building based tool, a better understanding was provided to students on creating websites. In this event, the speaker, Rahul Rajput, gave information about a global-level Competition- Alibaba Cloud Website Building Contest 2022. Dr. Pooja Sabherwal coordinated the event.

Lecture on 'Issues and Challenges relating to IPR under Cyberspace'

The IPR cell of The NorthCap University in association with the IIC Cell of The NorthCap University organized a lecture on 'Issues and Challenges relating to IPR under Cyberspace' held on 7th April 2022. The speaker of the event was Dr. Nisha Dhanraj Dewani (Associate Professor of Law, MAIMS) and coordinator was Dr. Unanza Gulzar, Assistant professor, School of Law.

Cyber Awareness Camp on Online Fraud Payment

On 13th April 2022, Members of the Legal Aid Society, The NorthCap University, and District Legal Services Authority under the guidance of Ms. Shiksha Dahiya, Legal Awareness Activist and Advisor on Legal Aid Visits, conducted a Cyber Awareness Camp. The law students approached street vendors and shopkeepers of Sector 23 Market at Gurugram and interacted with them regarding online frauds.

Digital Literacy Quiz

Digital Literacy quiz was conducted online by the Sapient Club on 23rd February 2022. The time limit assigned for the quiz was 15 minutes. The faculty coordinator for the event was Dr. Pooja Sabherwal.

An online webinar on 'Secret for Mind Management' was organized for the students from 1st - 5th February 2022. Dr. Pooja Punyani, Assistant Professor, Faculty of Mathematics, APS department organized and conducted one-to-one daily sessions with students.

One Day Mediation Awareness Programme 'Samadhan'

School of Law organized a 'One Day Mediation Awareness Programme' in collaboration with the Delhi High Court Mediation and Conciliation Centre known as 'Samadhan' on 29th April 2022. The esteemed resource persons for the event were Mr. J.P.Singh, Senior Advocate, Ms. Veena Ralli, Advocate, and, Ms. Swati Setia, Advocate. Tavleen Kaur Khurana and Arushi Anthwal were the organizers of the event.



One Day Meditation Awareness Programme

Expert Lecture on 'Consumer Rights and Redressal Mechanism in India'

An expert lecture was organized for the first-year students on 'Consumer Rights and Redressal Mechanism in India' on 27th January 2022. The speaker for the lecture was Dr. Shaharyar Asaf Khan, Associate Professor, School of Law, Manav Rachna University.

Panel Discussion on 'Advanced Contract Drafting: Scope, Structure, and Usage'

A Panel Discussion with Mohit Vats and Parwani Marwah, Alumni SOL, was held on 'Advanced Contract Drafting: Scope, Structure, and Usage' on 28th January 2022 for LLM students. The platform for the discussion was MS Teams.

Expert Lecture on Igniting the Legal Engine

An expert lecture was organized for the first-year students on 'Igniting the Legal Engine- An Introduction to the Motor Vehicles Act in India' on 31st January 2022. The speaker for the lecture was Advocate Anilesh Tewari, Managing Partner at Law Chambers. The lecture was coordinated and moderated by Ms. Arushi Anthwal, Assistant Professor, School of Law.

Sapience Convention 2022

The event was organized by Sapient Club on 9th May 2022 to give information to students about the corporate world by explaining the key management skills required to gain success in the long run. It also talked about personal improvement, personality development, and business etiquette. Faculty coordinator was Dr. Pooja Sabharwal and the student coordinators were Navya Karnas and Rishabh Singha.

'CUET – Leadership Conclave 2022'

The NorthCap University, Gurugram organized the 'CUET – Leadership Conclave 2022' on 16th July 2022, for a comprehensive understanding of the Common University Entrance Test (CUET). A panel discussion was held, wherein eminent academicians shared their views on the various aspects of the entrance test like syllabus, duration, preparation, cut-offs, doubts, and addressing all related concerns. The speakers for the panel discussion were Prof Raj Nehru, Vice-Chancellor, Shri Vishwakarma Skill University, Gurugram; Prof R.P. Das, Pro-Vice-Chancellor, IGNOU, Delhi; Ex Vice-Chancellor, Berhampur University, Odisha; Dr. R.C. Kuhad, Ex Vice-Chancellor, Central University of Haryana, Dr. Markanday Ahuja, Ex Vice-Chancellor, Gurugram University, and Prof. Nupur Prakash, Vice Chancellor, The NorthCap University. The event was attended by around 200 participants including school principals, teachers, counsellors, students, and parents.



CUET Conclave - 16th July, 2022

One Week FDP on Capacity Building for Holistic Development

The Department of Civil and Environmental Engineering in collaboration with the Centre for Language Learning at The NorthCap University, organized a one-week FDP on 'Capacity Building for Holistic Development' from 12th - 18th July 2022 to enrich the academic and research quality. The following sessions were conducted (a) Sustainability in Everyday Life by Dr. Vaishali Sahu, (b) Art of Writing a Research Paper by Dr. Aman Garg (c) Use of tools for research and data analysis by Dr. Aman Garg (d) Thought Lab by BrahmaKumaris e) POSH awareness session by Ms. Tulika Mahapatra (f) Module on advanced MS Excel by Mr. Ram Upadhyay and Mr. Pramod Kumar (g) Teachers as Immeasurable Tools in Nation Building by Dr. Divyabha Vashisth (h) Design Thinking and Creativity for Educators by Mr. Lokesh Choudhary. The FDP was coordinated by Dr. Aman Garg and Mr. Lokesh Choudhary. Dr. Vaishali Sahu and Dr. Divyabha Vashisth were convenors. (CEE2022FO001)

Startup Pitch Event under The NorthCap Incubation Centre

The NorthCap University organized 'Start-up Pitch' event under the Incubation Center and final presentations were held on 26th July 2022, where five teams competed. The event was judged by Prof. N. R. Chauhan (Head & Prof., Mechanical Department, Indira Gandhi Delhi Technical University for Women). All five teams were declared winners due to the novelty and scope of the startups. The winners were awarded cash prizes of Rs 30,000/-. This event was coordinated by Dr. Satnam Singh and Prof. Avtar Singh. (MED2022O008)

Masterclass Series

The Centre of Professional Attachment and Alumni Engagement (CPAA) conducted Master Class sessions of 11 speakers for the new admission batch from 17th - 31st August 2022. The series was meant to share with students the varied perspective of speakers from various fields like judiciary, journalism, diplomacy, design & innovation, entrepreneurship, HR, etc. Following were the speakers of the Master Class Series:

1. Dr. I K Khanna, Group Director, Takshshila University.
2. Mr. Varinder Singh, HR Head, Fortum.
3. Mr Rajit Sikka, HR Head, TCS.
4. Major Gen. CP Singh, Sr. Director, Resolute Logistics Pvt. Ltd.
5. Mr. Ashok Kr Sangwan, Head, Program Management Office, Wipro.
6. Mr. Vineet Gupta, Design and Branding Lead, Gemini Solutions.
7. Mr. Nitin, Executive Director, Findoc Investments.
8. Capt. Manjula Katoch, Soft Skills Trainer, Certified by Scottish Qualification Authority, NABET.
9. Captain Vinod Kumar Batra, Vice President, PCEPL.
10. Ms. Pallavi Kumar, Mohan Foundation, Organ Donation: Opportunities for Action.
11. Mr Deepak Kapur, AVP, AVL India PVT Ltd.

Additionally, CPAA also conducted Soft Skills session on Image Management.

Career Enhancement using Project-Based Learning

The IEEE Student Branch of The NorthCap University in collaboration with the Computer Society of India (CSI) Student Chapter NCU organized a session on Career Enhancement using Project-Based Learning on 30th August 2022 during the induction program. The industry expert for this session was Mr. Ramneek Kalra. He is a Cloud Support Associate from Amazon Web Services Inc. and a Computer Science Engineer & Proactive Volunteer at numerous organizations namely IEEE, Youth for Sustainability, Atal Innovation Mission (NITI Aayog, Govt. of India), and Human Circle (Young India Challenge).

Industry Insights on AR, VR, XR

The Department of CSE, The NorthCap University, in collaboration with Game Mantra Club and The Computer Society of India, NCU Student Chapter, organized an expert session on 31st August 2022, on the topic 'Industry Insights on AR, VR, XR' during Induction Program for first-year students. The eminent speaker of the session was Mr. Shrey Mishra, Founder of XR Game Central. Mr. Shrey inspired the audience by talking about the technologies of AR (Augmented reality), VR (Virtual Reality), and XR (Extended Reality).

Certification cum Summer Training Programs

The Department of Computer Science and Engineering successfully organized three Certification cum Summer Training programs namely Big Data Analytics, Penetration Testing and Malware Analysis, and Real-World Data Science Projects, from 13th June - 26th July 2022 (six weeks duration). All these programs included hands-on sessions by experts from industry and academia in the broad domains of Cyber Security and Data Science, followed by industry-mentored projects at the end. Experts from reputed organizations such as PAC Security, Brain Mentors, Pvt. Ltd., Further Systems Pvt. Ltd., and Adidas, guided the participants and evaluated their projects. Dr. Srishti, Assistant Professor, CSE was the coordinator, and Prof. Rita Chhikara, HOD, CSE was the Program Chair.

CSE - NCU team 'Binary Brains' wins the Smart India Hackathon (SIH) 2022 Software Edition Grand Finale

Team 'Binary Brains', with students of Cyber Security & Forensics Specialization as members from Department of CSE, secured the winning position in the reputed Smart India Hackathon 2022. The team members were Kartikey Vats (Team Leader), Neha Sindhu, Sania, Suraj Kumar, Utsav Raghav, and Rushil Pajni. The Grand Finale of SIH 2022 was held on from 25th to 26th August 2022 in offline mode at 75 nodal centers in the country. The team worked on the problem statement of IP address and details of unidentified participants during academic sessions, for the Ministry of Social Justice and Empowerment, Composite Regional Centre (CRC Srinagar), Department of Empowerment of Persons with Disabilities, Govt of India, under the guidance of faculty mentors Dr. Prachi and Ms. Kanika Gupta from CSE, NCU. The team built a novel and efficient solution to the given problem statement and showcased their problem-solving and technical skills ranging from Cyber Security, Programming Skills, and Cloud Computing to Artificial Intelligence.

CSE team wins Unfold 2022 Hackathon

Students of CSE- Udit Kapoor (19csu327) and Tarun Sharma (19csu322) along with faculty mentor Dr. Poonam Chaudhary participated and secured the winning position in Unfold 2022 Hackathon, by Devfolio India. Unfold 2022 is a first-of-its-kind, high-energy, immersive blended Web3 tech event created by CoinDCX, India's first crypto unicorn that's supporting disruptive Web3 startups. This Hackathon was themed around innovation and technological neutrality in Web3. To spotlight, nurture, and accelerate the potential of decentralized technology, the projects will be demonstrated to CoinDCX, YourStory, and Builders Tribe. The hackathon was held at Sheraton Grande, Whitefield, Bengaluru from August 26th-28th August 2022. CSE team was the winner and received prize money of \$2500/- for the same.

Awareness Session on STPI & its Service and Entrepreneurship: Idea to Enterprise

Department of Computer Science and Engineering, NCU organized an 'Awareness Session on STPI & its Service and Entrepreneurship: Idea to Enterprise', on September 01, 2022. The department has recently signed an MoU with Software Technology Parks of India (STPI), Gurugram. The faculty members Dr. Poonam Chaudhary, and Ms. Ruchika Lalit under the guidance of Prof. Rita Chhikara, Head, CSE coordinated this event.

Third Position in the Codexthon Hackathon held by MNIT Jaipur

Students of CSE-Lakshita Gaur(19csu166), Madhur Nagrath (19csu169), Mitali Sehgal (19cau177), Nancy Jangid (19cau403) took part in Codexthon Hackathon held by MNIT Jaipur in online mode. The team bagged 3rd Position for their project 'Skin Burn Image Classification and Detection' after the three rounds. In the first round, the team submitted the idea for 'Skin Burn Image Classification and Detection'. In the 2nd round, all 32 shortlisted teams had to submit their prototype links uploaded on GitHub. 8 teams reached the final round and showcased their prototype to the jury members. A total of 298 registrations were made.

PCB Designing Workshop

The PCB Designing workshop was conducted by The Sapient Club of EECE Department in collaboration with the Researcher's Club on 5th August 2022. The speaker of the event was Mr. Vibhu Mehta, PCB Design Engineer at HMCMM, Manesar. The event helped students in understanding the design process that combines component placement and routing to define electrical connectivity on a manufactured circuit board. The faculty coordinators were Dr. Pooja Sabharwal and Dr. Mona Aggarwal.

Three-Weeks Induction Program

Schools and Departments of The NorthCap University conducted a three-week long Induction Program for the newly admitted first-year students from 16 August to 3rd September 2022 as per the UGC guidelines. The objective was to make the new students familiar with the policies, processes, practices, culture, and values of the University. The Induction program had various sessions including Master-class Series, Alumni Discussions, Guest lectures, visits, and Student Engagement activities. The program began with address of Vice-Chancellor and other university's dignitaries; followed by eminent speakers from academics and industry.



Three-Week Induction Program in Auditorium
16th August to 3rd September

Summer Internship on 'AI and IoT applications in real-time operations'

A Summer Internship Program on 'AI and IoT applications in real-time operations' was organized under Innovation Ecosystem in the Tinkering Lab of the University from 12 June to 23 July 2022 by faculty and technical coordinators- Dr. Vandana Khanna (EECE), Dr. Yogita Gigras (CSE), Dr. Anuradha (CSE) and Mr. Baldev Singh (EECE). In this, Mr. Sumit Ranjan Pratihast, a Freelance Software Developer and Trainer, along with 16 students from the EECE and CSE departments completed Raspberry Pi and Python libraries-based projects such as Smart Anti-Theft System, Smart Energy Grid, Smart Home Automation, and Smart Parking System.

Alumni Talk on Accelerators/Incubation/Opportunities for Students & Faculty Members – Early-Stage Entrepreneur

The SPACE Society (Professional Society of Civil Engineers at The NorthCap University) in association with the IIC at The NorthCap university organized alumni talk on 'Accelerators/Incubation/Opportunities for Students & Faculties – Early-Stage Entrepreneur' on 30th August 2022. The talk was organized by Dr. Aman Garg (Assistant Professor, CEE, member, IIC, NCU), Mr. Lokesh Choudhary (Assistant Professor, CEE), and Dr. Satnam Singh (President, IIC, NCU). Mr. Vivek Thakur, an alumnus of the 2019 batch exchanged his journey with the students and faculties for his entrepreneurial journey about his startup 'Redopact'. (CEE2022O011)

Faculty Development Program on Machine Learning

The Department of Computer Science and Engineering successfully organized a Faculty Development Program on 'Machine Learning' from 1st to 10th August 2022. The objective of this program was to help the participants in upskilling in the domain of machine learning. The resource persons for this FDP included Prof. Rita Chhikara, Dr. Nitin Malik, Dr. Meghna Sharma, Dr. Vidhi Khanduja, and Dr. Srishti from the Department of Computer Science and Engineering. Academicians and research scholars enthusiastically participated in the program and gained experiential exposure in the area of supervised machine learning. The program was coordinated by Dr. Srishti, Specialization lead, AI and ML, Deptt of CSE.

This year, NCU going through the QS Quacquarelli Symonds QS I Gauge audit for Subject Audit Law and Legal Studies, Subject Audit Management, Subject Audit Engineering, and Audit University. Of these, Subject Audit Law and Legal Studies have been completed and Gold Badge was awarded under this category. For other categories, the audit is in progress.

Faculty Development Programme on 'Managerial Research through Multivariate Techniques using SPSS and AMOS.'

The School of Management & Liberal Studies (SOM & LS) conducted a six-day Faculty Development Programme on 'Managerial Research through Multivariate Techniques using SPSS and AMOS' from 22nd - 27th August 2022 in the D-3 lab. Ajay Kumar Chauhan (Director, FPM, UBS Mumbai) was the resource person. He conducted hands-on sessions on software such as SPSS and AMOS and explained its execution. The event was coordinated by Dr. Deergha Sharma, Dr. Deependra Singh, and Dr. Priyanka Banerjee under the mentorship of Prof. Vikas Nath.

Individual Development Program

The School of Management and Liberal Studies (SOM & LS), The NorthCap University organized an 'Individual Development Program' for the students of Poddar Management and Technical Campus, Jaipur from 22nd to 26th August 2022. Sixty-six students from Poddar Institute attended the program. It was the second such event in the series. The organizing team comprised IDP Chair: Prof. Vikas Nath, Director, SOM&LS; IDP Lead: Prof. Nimit Gupta and IDP Coordinators: Dr. Shaveta Sachdeva, Ms. Harshita Jha, Dr. Kanchan Yadav, and Dr. Mansi Vainik.

School Outreach Program

Dr. Sona Vikas conducted an hour session as part of School Outreach at Pathways World School, Gurgaon, on 17th August 2022. The session was on 'New Age Skills for New Age Careers' for XII standard students. Around 100 students of Class XII attended the session.

Webinar on Evolving Career Opportunities and Future Skills in the Legal Profession

The School of Law organized an open-to-all webinar on 'Career Choices, Evolving Career Opportunities, and Future Skills in Legal Profession' on the 6th and 23rd August, 2022. The speakers were Adv. Hemant Batra and Adv. Firdouse Qutb Wani, Supreme Court of India. The webinar was organized by Dr. Unanza Gulzar, Himangshu Rathee & Mohit Vats.

Workshop On 'Lean Start-Up and Minimum Viable Product/Business Conduct— A Bootcamp'

The CIPRART School of Law, in association with the Institution Innovation Council of NCU, organized a workshop on 'Lean Start-Up, And Minimum Viable Product/Business Conduct a Bootcamp' for students and faculty members on 10th August 2022 online mode. The speaker was Mr. Mahip Singh, Head, Incubation Hub, Dr. APJ Abdul Kalam Technical University, Lucknow.

Book launch of School of Law Alumni— 'Recapturing the Vision Called Bharat' By Karan Kataria.

Karan Kataria, a Global Action Ambassador of the United Nations Sustainable Development Goals and Former President of Legal Aid Society, The NorthCap University, Gurugram, launched his book, 'Recapturing the Vision Called Bharat' on 15th August 2022. The Inaugural Address was delivered by Shri Ashok Kumar Ji Beri, National Executive Member, and Shri. J. Nandakumar Ji, National Convener Prajna Pravah. The event was presided over by Hon'ble Justice Pritam Pal Singh. Former Judge Punjab & Haryana High Court & Lokayukta Haryana. The guests of honor for the event included Dr. K.C Banger, Advisor Ministry of Environment & Former Chairman, Haryana Public Service Commission; Prof. (Dr) Nupur Prakash Vice-Chancellor, The NorthCap University; Mrs. Aparna Erry, Principal, DAV; Prof. (Dr) Manjula Batra Senior Professor, Former Dean Jamia Millia Islamia University; Shri Avdhesh Mishra, Founder & Member Governing body, The NorthCap University; Prof. (Dr) Dinesh Kumar Vice-Chancellor, Gurugram University; Shri G. Sreedathan, Associate Editor Organiser, and Dr. Archana Sarma, Head of Department, School of Law, The NorthCap University.



Book launch by Alumni on 15th August

Prof. VS Mallar Legal Aid Competition

Legal Aid Society, School of Law took part in Prof. VS. Mallar Legal Aid Competition conducted by National Law School, Bangalore, and the Department of Justice, Government of India. Team 'Street Play' led by Nitya Agarwal submitted 2 scripts of street play on Child Marriage and Child Abuse for the competition on 25th August. Team Village/Community Halt, led by Sareesha Chawla, submitted a questionnaire for the survey that included questions regarding awareness among the village population about civil rights and government schemes. Ms. Nikky Jha was the student coordinator.

Guest lecture in collaboration with Pahuja Law Academy

On 29th August 2022, the final year students at the School of Law engaged in an interactive and informative session on the topic 'Fundamentals of Pleadings' organized in collaboration with Pahuja Law Academy. Senior educator, Mr. Arjun Singh was the resource person for the lecture and delved into the basics of the Civil Procedure Code to build a good theoretical foundation for the students before they could proceed with drafting pleadings. The lecture was organized by Dr. Pallavi Bajpai and coordinated by Ms. Arushi Anthwal.

Kaleidoscope 1.0

The Department of Computer Science and Engineering conducted Kaleidoscope 1.0, on 16th September 2022, for BTech CSE III-year students. A career counseling session on 'Careers in Digital Transformation and Innovation' was delivered by Mr. Pradeep Sharma, Director, EY. After the expert session, four students of BTech CSE final year (Pearl Arora - Amazon, Udit Kapoor - Amazon, Shivani Saluja – Optum, Priya Kaushik - EY), placed with Amazon, EY, and Optum, shared their experience and tips for securing good placements.

The session was chaired by Prof. Rita Chhikara and Ms. Prerna Singal. The faculty coordinators were Dr. Riya Sapra, Dr. Neeti Kashyap, and Dr. Pankaj Rakheja.

Project exhibition and prize distribution ceremony for industry-mentored projects

The Department of Computer Science and Engineering organized a project exhibition and prize distribution ceremony on 20th September 2022 in the seminar hall. The projects were made by BTech CSE III-year students under the guidance of industry experts and showcased in this exhibition. The best projects were awarded cash prizes. Mr. Alok Rai, Chief Operating Officer Apiary Gurugram, was the chief guest of the ceremony.

National Essay Competition

The Centre for Development in Energy and Environment Policy (CDEEP) of the School of Law conducted a National Essay Competition. The theme for the event was 'Clean and Green Energy' including:

- Renewable Sources of Energy (water, solar, tidal, wind)
- The Fundamental Right to Access Energy
- Sustainable Development Goals
- Policy Trends in developing Sustainable Energy
- Environment Sustainability and Economic Sustainability
- Climate Change and Sustainable Energy
- Technology for Energy Efficiency and Conservation

The panel of experts reviewed the papers for the successful completion of the event. After this rigorous process, the committee selected the following winners:

1. Manasvi Singh (Mount Carmel School, Dwarka) -1st Position
2. Saniya Mazumder (Sai International Residential School, Odisha) - 2nd Position
3. Ninaad Kapoor (Venkateshwar International School, Dwarka)- 3rd Position

FDP on Research Proposal Writing and Presentation for Aspiring Researchers

School of Management and Liberal Studies, The NorthCap University successfully organized an FDP in hybrid mode on 17th September 2022, on 'Research Proposal Writing and Presentation for Aspiring Researchers.' Participants were from Dayalbagh Institute Agra, IILM University, ICFAI, Bank of America, Banasthali Vidyapeeth, LPU Punjab, National Fertilizers Limited, Guru Gobind Singh Indraprastha University, Presidency University Bengaluru, Mckinsey & Company, Acuity Knowledge Partners (Previously Moody's Analytics knowledge Partners), CSIR-Indian Institute of Chemical Technology Hyderabad and NCU. The session experts were Dr. Vikas Nath (Director, School of Management & Liberal Studies, The NorthCap University Gurugram, & Program Chairperson) and Dr. Rishipal (Professor of Pedagogy, Dean Pedagogy and Capacity Building, Shri Vishwakarma Skill University, Haryana). This FDP was conceptualized and ideated by Dr. Sona Vikas, the Program Convener. Faculty Coordinators for the event were Dr. Sona Vikas & Dr. Seep Sethi.



FDP on Research Proposal Writing and Presentation

Azadi ka Amrit Mahotsav

The University celebrated the 75th year of India's Independence on the theme 'Azadi ka Amrit Mahotsav' carrying forward the initiative of the Government of India to celebrate and commemorate 75+ years of progressive India, its people, culture, and milestones. Vice-Chancellor, Prof Nupur Prakash unfurled the flag, and delivered her speech to the faculty, students and staff of NCU.



Independence Day Address by Vice-Chancellor

Webinar on 'Opportunities Across IT Industry and Importance of Data Analytics'

The Women In Coding (WIC) Club of The NorthCap University, Gurugram, organized a webinar on the topic 'Opportunities Across IT Industry and Importance of Data Analytics', on 23rd September 2022 on Google Meet. The speaker for the webinar was Dr. Ashok Sangwan, Head-Program Management at Wipro. Dr. Rekha Vig, Ms. Ruchika Lalit, and Ms. Sonal Saurabh coordinated the event along with student coordinators Allaika Yadav and Yashika Wadhwa.

Webinar on 'Scope of Engineering in India'

On 15th September 2022, Engineers Day NEEV NCU chapter and Hindu College organized a webinar on 'Scopes of Engineering in India.' The session was hosted on Webex, and live telecasted on the NEEV YouTube channel. The Chief Guest for the session was Mr. Aditya Bhatnagar, Senior- Partner Mindcrafters (IIT Delhi Alumnus), and Mr. Yadav Chandana (IIT Delhi Alumnus), Director at Products and Grafiq Pvt., CEO Sanifintex Oyeprintz. Dr. Rohit Singh Lather was invited as an expert for the webinar. (MED2022O012)

Seminar on Financial Modelling

The Economic Collective Club, School of Management and Liberal Studies organized a 'Seminar Experiences on Thursdays' event on 'Basic Applications of Financial Modelling using Advanced Excel' on 18th August 2022. The session was conducted by Dr. Manpreet Kaur, Associate Professor, at SOIL School of Business Design. Faculty Coordinators were Dr. Priyanka Banerji, Dr. Mansi Vinaik, and Dr. Akasha Sandhu. Student Coordinators: Harshita, Anjali Bhardwaj, Tushar Gandhi.

Session on Value-based Performance

A session was conducted on 29th September 2022 at the School of Management and Liberal Studies on 'Value-based Performance.' Sister Arti, who is practicing Rajyoga teachings for more than a decade, delivered a very insightful session for the undergraduate and postgraduate students of Year I. Faculty Coordinators for the event were Dr. Sona Vikas & Dr. Saumya Sharma.

Ideal Bits

The Department of CSE conducted an event, 'Ideal Bits,' under the Programmers Club on 15th September 2022. The event included programming questions. The questions were designed to promote out-of-the-box thinking, problem skills, and analytical thinking. Student Coordinators of this event were Pulkit Sharma and Rahul Chawla, and the faculty Coordinator was Dr. Mehak Khurana.

Volkswagen officials visit the Department of Computer Science and Engineering.

Department of CSE, The NorthCap University, under the guidance of Prof. Nupur Prakash, Vice Chancellor, and Prof. Rita Chhikara, Head CSE, hosted delegates from Volkswagen Group Technology Solutions India and Germany and DLP India on 15th September 2022. The team comprising Mr. Stephan Fingerling- CEO; Dirk Birke- CFO and Antje Hermann- HR Head– Germany branch; Sidharth Yadav- Managing Director; Jan Drbohlav- Executive Director; Premal B- CTO; Soumi Alphons- CPO; Nakul Agarwal- Head (Finance); Amit Khatri-Head (Talent Acquisition); Sameer Pise and Pranav Kulkarni- Delivery Heads along with Mr. Perminder Singh Malik, Director- DLP had a fruitful interaction with Vice Chancellor, Heads, and Deans of the NorthCap University for various collaborative ventures. The projects 'Brain hack - AR non-marker application', 'Maya civilization VR simulations-recreation of extant historical places,' 'RTSL-A Usecase in Metaverse,' and 'YouTube Spam Detection using BigData' etc. demonstrated by Game Tech AR and VR B.Tech students were highly appreciated.



Group photograph with Volkswagen officials - 15th September, 2022

CSE Students shine in BIZ-VIZ 2022 at BITS Pilani

Students of the CSE Department, Ananya Sharma (20CSU303), Sheetal Kumari (20CSU307), and Madhur Nagrath (19CSU169) under the guidance of Dr. Poonam Chaudhary, received First Runner Position in BIZ-VIZ 2022 HACKATHON. This event was conducted by Birla Institute of Technology & Science (BITS), Pilani with prize money of Rs 5000/-. The Prototype Project Presentation during BIZ-VIZ 2022 had immense research and analysis about the customers of OLIST, an e-commerce website in Brazil. The team was declared as 1st runner-up in the Finale Round. The competition was linked with course BIDV CSL232.

Session on Ethics and Values

Dr. Sona Vikas conducted a session on Ethics and Values during the Orientation Programme of more than 120 undergraduate students at Shri Vishwakarma Skill University, Haryana. She was invited as a guest speaker for conducting this session on 19th September 2022.

Meeting with CMD of Bridge and Roofs

Dr. Vaishali Sahu exchanged the knowledge with Mr. Rajesh Kumar Singh, Chairman and Managing Director at Bridge and Roof Co. (India) Ltd., and his executive officers on 1st September 2022. The meeting was intended to bridge the gap between industry and academia through updated course curriculums. (CEE2022O016)

Visit Fare Labs Pvt Ltd.

On 2nd September 2022, Dr. Vaishali Sahu and Mr. Lokesh Choudhary- Faculty, Civil & Environmental Dept., visited to meet Dr. HB Singh, Scientist D, DST at Fare Labs Pvt. Ltd. Gurgaon. In this meeting, major discussions were around the upcoming international conference by SOET, funding agencies like SERB, CSIR, ICAR, INSA, DBT, and private industry partners such as Fare Labs Pvt. Ltd. (CEE2022O017).

Special Lecture Session: Model United Nations

Mr. Karan Kataria delivered a special lecture session on 23rd August 2022. He emphasized teaching the practice of co-curricular activities. The lecture pointed out the role of developing essential skills – articulation, conceptualization, clarity, fluency, etcetera through MUN and other activities. Mr. Kataria informed the students about different opportunities that United Nations periodically floated.

Expert Lectures Delivered by Prof. (Dr.) Manjula Batra

Prof. (Dr.) Manjula Batra, Professor, School of Law, delivered two lectures to the students of Environmental Law at the Society of International Law, Bhagwan Das Road, on the 6th and 14th of September 2022 on the subject 'Tort and Environmental Law in India'.

Workshop on 'VLSI Design Flow on CADENCE EDA'

EECE students' chapter of IEI & IEEE RAS NCU SB organized a two-day hands-on workshop on the 6th and 7th Oct 2022 for all VLSI enthusiasts. The purpose was to provide knowledge of the CADENCE EDA Tool. Mr. Anish Kumar -Alumni and Sr. Application Engineer with Entuple Technologies Pvt. Ltd was the trainer. The training was organized by Dr. Vandana Khanna and Dr. Anu Tonk under Prof. Sharda Vashisth.

Workshop on 'Arduino Programming and IOT using Node MCU.'

THE IEEE RAS chapter of The NorthCap University conducted a one-day workshop on 'Arduino Programming and IOT using NodeMCU' with 100 students on board. The workshop was conducted by Mr. Divyam, an Alumnus of EECE and a software engineer at Amantya Technologies Inc. He elaborated on various topics around robotics: Arduino, NodeMCU, DC motors, LFR designing, scratch-based block programming, and their industrial applications in IoT. This was followed by a hands-on guided activity, an online follower robot, and home automation. Dr. Anu Tonk steered this event under the mentorship of Dr. Sharda Vashisth, HOD Dept of EECE.

Tinkering Lab 4th Project Competition cum Exhibition

The 4th Project Competition cum Exhibition was organized in Tinkering Lab on 12th October 2022 under the EECE students' chapter of IEI. The competition was based on two categories - Demonstrations of completed projects and Presentations of novel project ideas. About 45 students in 16 teams from BTech CSE/EECE/ME of all years participated, and nine teams were awarded certificates of appreciation with cash prizes. Some projects were 'Automated hand washing system,' 'Waste management using IoT and artificial intelligence,' 'Smart parking system,' and more. The event was organized and coordinated by Dr. Vandana Khanna, Dr. Yogita Gigras, and Dr. Anuradha Dhull.



Workshop on 'Motorcycle coaching and safe riding.'

The NorthCap Incubation and Innovation Centre (NIIC) organized a workshop on 'Motorcycle coaching and safe riding' by OneMoto, an NCU Alumni startup, at The NorthCap Innovation and Incubation Centre on 20th October 2022. The workshop had two sessions, Basics of bike riding, the importance of safe riding, the importance of riding gear, how to deal with various riding situations, and the like, by Mr. Vikram Malhotra, Founder OneMoto. A Hands-on demo with riding gear for the participants.

Workshop on 'Total Productive Maintenance'

The Mechanical Engineering department organized a day workshop on 'Total Productive Maintenance' on 28th October 2022 in hybrid mode. The speakers were Mr. M. K. Khanduja - Director - Inter-Alliance Werardt (In-person), Mr. Jitendra Sharma, President (HR) – Shree Renuka Sugars Limited (Online) and Dr. Rohit Singh Lather, Head ME.

Medical and Health Facilities

We at The NorthCap University believe that preventive screening remains a much-debated topic for the public. While the advantage of preventive screening for diseases is hard to counter, there are arguments that screening only sometimes leads to better health. The NorthCap University conducted various health camps and expert talks, which offered curative, preventive, promotive, and referral healthcare services to the staff and students. The university has been conducting these events for the last several years with a singular objective of creating awareness of general health among the people, providing general healthcare services, and counseling them, on primary healthcare and hygiene. In line with the above mission, we conducted several camps and expert talks throughout the academic year, as mentioned below:

Health Session

On 15th February 2022, Anon Group conducted a session for students and staff on coping with stress and anxiety in the post-Covid times. Dr. Pradeep Singh from Manipal Hospital conducted a first aid and CPR workshop in April 2022. On 24th April, Dr. Shalini (Dietician) from Manipal Hospital delivered a workshop on benchmarked diet regimes. Dr. Ila Jalote, Consultant Obstetrician and Gynaecologist with Manipal Hospitals delivered an Interactive Session at The NorthCap University on 6th October 2022. Dr. Jalote has over 10 years of experience with a particular interest and expertise in Laparoscopic and Hysteroscopic surgery and infertility. Dr. Ila highlighted various forms of cervical cancer, its causes, lines of treatment, and things that can ease the physical and mental stresses of cervical cancer and medicine. The session was attended by students, coordinated through Club Aashayen, and organized by Dr. Shilpi Wadhwa, Sr. Medical Consultant.

Preventive Health Checkup Camp

The university also conducted the Nivaran– XII Preventive Health Check Camp on 15th November 2022 to make people aware of their role in preventing several diseases and maintaining a healthy lifestyle. The screening/diagnostic campaign will be conducted in association with C. K Birla Hospital for which the hospital has designated a physician who will accompany.

We at The NorthCap University believe such events can be life-saving programs that aim to provide free medical screening and diagnostic services by a mobile team with various specialized medical services. We are driven by solid ethics of medicine and believe that it is the moral responsibility and obligation to treat each patient regardless of income, race, or social status. The main objective of a medical camp is to provide initial care to people in life-threatening conditions, reflecting the unique strengths and goals of medical ethics.



Preventive Health Checkup Camp - 15th November, 2022

Community Service Club Activities

Enactus Nationals 2021-22

Enactus Nationals is a worldwide competition where many teams, students, and industry experts all come together to witness the best projects on sustainability while working for the people. Student Enactus teams from different Colleges/Institutions/Universities participated in the Enactus India competition from 24 June- 2 July 2022. The NCU Enactus team submitted entries on Project AAVARAN, an initiative to eliminate textile waste and generate sustainable products. Eighty-seven students of the NCU team participated in the Enactus Nationals under the guidance of Dr. Anshu Malhotra.

Webinar on 'Women Hygiene and Menstruation'

Club Yukti of NCU organized an informative webinar on 'Women Hygiene and Menstruation' on 12 November 2021. Ms. Ankita Sukhwai, CSR executive of Unicharm India, took the responsibility to extend her knowledge on Menstruation as the speaker. An elaborate discussion on changes in the body that accompany puberty, i.e., hormonal, behavioral, and physical, took place during the webinar. The basics of female hygiene management that act as a preventive factor for RTI (Reproductive Tract Infection) were highlighted. The webinar was followed by a pad donation drive for women living in slum areas.

Vocal for Local

NSS NCU organized 'Vocal for Local,' a three-in-one event to support local vendors from 1st to 4th November, 2022. This event aimed to make the volunteers realize true humanitarian values. Volunteers supported local vendors by buying Indian products and spreading awareness through videos and handmade posters.



Vocal for Local activities - 1st to 4th November, 2022

Project NOOR- Launch Event

NSS, NOOR (mental health wing of NSS NCU) organized its launch event on 9 November 2021 in hybrid mode. A talk show with renowned guest speaker Dr. Shweta Sharma was scheduled for the launch event. She answered all the queries of students related to mental health. The event included various fun games like the color game, word cloud, etc., in which the students took part with great enthusiasm.

Plantation Drive

NSS NCU organized a plantation drive on 9th November 2021. The plantation drive was conducted near the university campus, where about 40 volunteers participated. Students planted saplings in a vacant plot near the University to raise awareness and consciousness about the environment among the masses. This event was a huge success.



Plantation Drive by NSS NCU - 9th November, 2021

Republic Day Celebration

NSS NCU hosted two interactive community activities to commemorate Republic Day. In the first event, the students submitted contributions in the form of handcrafted posters, written or spoken material, face painting, slogans, essay writing, poetry, and Shayari. Students were given an open stage to demonstrate their abilities. In the second event, the cultural team of NSS created some beautiful phrases on the 'Fundamental Rights of an Indian Citizen.' Both events were held in virtual mode, keeping the covid situation in mind. Both events received considerable interest and enthusiasm from the students.



Republic Day Address by Registrar

National Girl Child Day Celebration

To mark National Girl Child Day on 24 January 2022, NSS NCU initiated their new project- 'PROJECT NAARI,' a campaign to teach the public about societal ills such as female feticide, highlighting the need for menstruation hygiene, and raising awareness about gender issues. The initiative began with a live *Samvaad* podcast titled 'IZHAAR episode 5', including our guest speaker, Ms. Sanjoli Banerjee, a well-known social activist and UN awardee.

Nukkad Natak on Stigma Around Mental Health

Project NOOR, the mental health wing of NSS NCU, organized Nukkad Natak on 19 April 2022. The main theme of this event was 'Stigma Around Mental Health,' which was depicted by showing the perspective of the LGBTQ+ community. A Nukkad Natak was conducted in an offline mode outside Cafe 10. The event aimed to address the stigmas around mental health and reduce them with collective efforts.



Nukkad Natak by NSS NCU on 19th April, 2022

Community Service in village Sarhaul

On 23 August, NSS NCU, Team Abhimanch - NCU's theatre club, and volunteers visited the Government High School in Sarhaul to create awareness and educate students about water conservation and sanitation. Following this, team Abhimanch performed a short play for the school's staff and faculty based on SGD5- Gender equality.

Webinar on Reproductive Choice of Women- A Fundamental Right

The Department of Computer Science and Engineering, in collaboration with the IEEE Humanitarian Activities Committee, organized a webinar on the Reproductive Choice of Women- A fundamental right, sponsored by the National Commission for Women, on 11 November 2021. The webinar had multiple esteemed speakers throw light on the issues related to women's reproductive health and rights. The resource persons for the webinar included Smt. Preeti Bhardwaj Dalal, officiating Chairperson, Haryana State Commission for Women; Dr. Anupama Goel, Professor of Law and Registrar, National Law University, Delhi; Ms. Ira Singhal, IAS; Dr. Anupama Bahadur, Professor and Unit Head, Department of Obstetrics and Gynaecology, AIIMS Rishikesh and Prof. Manjula Batra, Senior Professor of Law, The NorthCap University. Dr. Srishti and Dr. Poonam Chaudhary from the CSE Department under Prof. Kavita Khanna, HOD, CSE coordinated the webinar.

Promise Day by IEEE HAC

IEEE Humanitarian Activities Committee (HAC) organized Promise Day under Mindfulness Week from 11 to 16 February 2022. Students coordinated the event under the guidance of Dr. Srishti and Dr. Poonam Chaudhary. The participants were asked to perform various activities including Pledge (towards the environment), Animal feeding, Meditation & Gratitude, Quiz, Video Making, etc.

HAC Month 2.0 by IEEE Humanitarian Wing

The IEEE Humanitarian Activities Committee (HAC) organized HAC MONTH 2.0, an event with various activities that count toward community service. The event was divided into three weeks and each week had several activities related to the theme. The activities included- Understanding the Indian Economy, Problem Solving Event, Crossword Puzzle, Group Discussion, Webinar on Humane Orientation, Debate Competition, Poster Making, and Awareness Quiz. The student coordinators were Nandini Pachauri and Deepanshu Kaushik, and the faculty coordinators were Dr. Srishti Sharma and Dr. Poonam Choudhary.

'Har Ghar Tiranga' by Clubs at NCU

On Independence Day, core team student members of the various clubs conducted the Har Ghar Tiranga Campaign. The participants took out rallies on 10 August 2022 from 10 am – 12 noon and created awareness amongst the citizens to hoist the flag in their homes on the completion of 75 years of Independence on 15 August 2022.



Celebration of National Sports Day

On the National Sports Day on 29 August 2022, Chetna Club's Faculty Coordinator, Dr. Vandana Khanna, and core team student members organized the celebration of Sports Day at Government Model Sanskriti Primary School in sector 23. Volunteer students and Mr. Sudesh, the sports in-charge of NCU, spent time with primary school kids. Yoga and various games such as relay race, sack race, lemon race, kho-kho, dodgeball, dog in the pond, and many more were organized for them. The objective of the event was successfully achieved; students enjoyed the sports day and understood the importance of sports.

Webinar on Stress Management

The Chetna Club arranged a webinar on Stress management on 24 September 2022. Dr. Vandana Khanna organized the session with the support of the student coordinators of the Club. The speaker Mr. Jasvinder Singh, a volunteer from Dev Sanskriti Vishwavidyalaya (DSVV), discussed stress management techniques and Pranayama that can help relieve stress.

73rd Samvidhan-e-Hind

On 73rd Republic Day, the Chetna Club and the Sapient Club of The NorthCap University in collaboration with the Sahas Club of The Amity University, organized a soul-enlightening patriotic event – '73rd Samvidhan-e-Hind'. This event's chief guest and speaker were Captain Yashika Tyagi Hatwal - a Kargil War Veteran, Corporate Leadership Multiplier, Motivational Speaker, and Defense Analyst. Captain hatwal been lighting the spirit of patriotism in the young blood by conducting various training sessions and boot camps. Dr. Vandana Khanna and Dr. Pooja Sabherwal coordinated the event.

Project Sehyog

The HOOD Club and Chetna Club organized activities under project SEHYOG on 16 September 2022. Under the project, donations were collected in the form of books, notebooks, stationery, food items, etc., and were handed over to the Prayatna NGO for the children studying there. The students of NCU visited the Prayatna NGO located in Sec 22, Gurugram, and interacted and played with students. This event was organized and coordinated by students of both Clubs under the guidance of faculty coordinator -Dr. Yogita Gigras and Dr. Vandana Khanna.

Punravriti 2.0

In the second installment of the collaborated event Punravriti, the Rotaract Club organized a paper donation drive. The students gathered more than 300 kgs of Paper which helped make more than 50 notebooks, which were later donated to the underprivileged. The event took place on 20 April 2022 at the University itself.

'Run For Tiranga' by Rotaract Club

The Har Ghar Tiranga Project initiated by the Hon'ble Prime Minister of India was extended by the Rotary Club of Delhi Heights and Clubs of districts 3010, 3011, and 3012 as they organized a Tiranga Rally to create awareness amongst people about patriotism towards the nation. The Campaign also aimed at re-igniting a feeling of dignity and pride during India's 75th Independence day celebration period.



Celebrating the pride of our National Flag

'Pratishtha 2.0 – The Installation Ceremony' by Rotaract Club

Rotaract Club of The NorthCap University organized their Installation ceremony of Rtr. Ayush Rai and his team for the Rota Year 2022-23 on 17 August 2022. Member's spirits were high and there was a sense of camaraderie and responsibility in the air that day. The Board of Directors was formally designated and pinned on that very day. The chief guests of the event were Brig. Vijay Chopra and first lady Mrs. Savitri Chopra, the President and lady President of Rotary Club, Gurugram.

Drives by Rotaract Club

Rotaract Club organized the event from 17 to 26 August 2022 at the University level. It include drives like Flag Collection, Blood Donation , Mask Donation etc. and one session on Digital Marketing.

Project आत्मदीपः भव- Be Your Own Light- 'Rousing Birds'

A webinar was organized by the Rotaract Club of Meraki and sponsored by the Rotary Club of Faridabad Midtown on 'National Girl Child Day on 24 January 2022. The webinar was meant to inspire the youth of the most rousing women of the Rotarian/Rotaract family who have been bold and have the fortitude and courage to push through their fears and take a stand on what they believe. It was a motivational session encouraging women's empowerment. Around 150 members of the Club participated in the webinar.



Webinar on Blood Donation: 15 Minutes to Save Life

The Rotaract Club of The NorthCap University, along with 'Blood Connect' organized an awareness session named 'Blood Donation: 15 minutes to save a life' on 13 February 2022 with Ms. Manasi Shakya. She is presently heading the Consulting Department of BloodConnect Foundation. Blood Connect is an initiative that was started back in 2010 by a bunch of IIT Delhi students and has now become the largest youth-run NGO working to eradicate blood shortage in India.



Yoga for Good Health

Yoga Club of The NorthCap University, in collaboration with Prayaas NCU and Aashayen Club, organized 'Yoga for Good Health' from 12 January to 4 February 2022, as a part of the 'Azadi ka Amrit Mahotsav' Campaign where the country aimed at 750 million Surya Namaskar to celebrate 75 years of Independence. Dr. Rajni Rohila, Dr. Shrutimita Mehta, and Dr. Vaishali Sahu coordinated the event. Student coordinators were Lehar Sharma (19BSM012), Aarjav Vajpayee (20CSU001)

Activities of Aashayen and Yoga Clubs

Club Aashayen and Yoga Club organized a visit to an NGO on 12 August. A team of 6 students from the University went to a children's NGO in Gurgaon and organized interesting activities for children such as flag making, art competition, storytelling, yoga, and meditation. Towards the end of the event, the students distributed chips, chocolates, juices, and stationery kits to the children. The visit was organized under the guidance of faculty coordinators Dr. Shrutimita Mehta, Dr. Vaishali Sahu, and Dr. Rajni Rohilla. The student coordinators of the event were Nandini Pachauri, Aarjav Vajpayee, and Garima Pahuja.



Activities by NCU Clubs

Aaghas'- Club/Societies Awareness Event

The Department of Computer Science and Engineering organized the event 'Aaghas' to appraise the first-year students about all the various societies and clubs in the Department. The event was held on 10 March 2022 from 2.30 pm onwards near Cafe Ten. Dr. Nishi Gupta, Ms. Bhavana Sharma, and Ms. Amandeep Kaur coordinated the event under the direction of HOD, CSE, Prof. Rita Chhikar.

Project Sahara: Series of Events

Club Aashayen launched their new initiative 'Project Sahara' under which a series of events were conducted from 18 January to 28 February 2022. Various events based on the UN SDG (United States Sustainable Development Goal) that help increase awareness and contribute to overall advancement were organized-

Best out of waste: Based on the SDG objective of 'Responsible Consumption and Production.' During the session, students were asked to make something useful and innovative out of everyday household things. Nearly 300 students participated in the event.

Event Uphaar: Based on the 'No Poverty' goal of SDG. Students made small hampers containing certain items. Clothes, packed food items, toys, and covid essentials. Nearly 130 students participated with enthusiasm and zeal.

Quiz - Modern Cities: SDG goal 'affordable and clean energy and sustainable cities and communities' was a target throughout this event. A quiz was organized on the above-mentioned topic as part of this program. Nearly 400 students participated here.

Climate Minds: Based on SDG 'Climate Action'. Participants were given a problem statement, and they submitted creative solutions for the same. Nearly 140 participated and provided innovative solutions to combat climate change.

Capture the Flora and Fauna

Enactus NCU, organized an event 'Capture the Flora and Fauna' from 19 to 20 February 2022. This event was organized to induce consciousness regarding SDG goals, namely, life below water and life on land, by clicking pictures. Rohan Bhardwaj (19CSU256), Muskan Mathur (21BAHE06), and Rohit Jain (20LLB025) were winners.

KalaKriti - Touching Lives Through Art

Club Yukti in collaboration with Aashayen and NRSC conducted an Offline poster-making event, 'Kalakriti- Touching Lives through Art' for all art lovers on 10th February. The Club coordinated the event with a motto that artist doesn't only paint or sketch but also provides us with a message for society. The aim of the event was to spread awareness about social topics, like, Freedom to live – Voice Out Against Sexual Harassment, Cybercrime, and bullying, the 3 R's (reduce, reuse and recycle), Say no to animal abuse, Inequality is inevitable, etc. All participants expressed their views on the medium of art.



Poster making Competition

Webinar on Embrace the Uncertainty

A Webinar on the topic 'Embrace the Uncertainty' was organized by The Club Yukti in collaboration with ANON Global Foundation on 15 February 2022. The objective was to create awareness that mental health difficulties impact individuals from all walks of life. The invited speakers were Dr. Renu Kishor (Associate Professor (Retd.) in Psychology, Daulat Ram College, University of Delhi), Ms. Suruchi Saini (Influencer: empowering people through psychotherapy, Professional counselor, UK), and Ms. Prachi Biswas (Vice-President at ANON). Student Coordinators of the event were Yukta Batra and Riya Saxena and the Faculty Coordinators were Dr. Vaishali Sahu, Dr. Shrutimita Mehta, Dr. Shilpy Wadhwa

Webinar on-'Selfless Deeds Bring Joy'

The Awakening Club conducted a Webinar on 'Selfless Deeds Bring Joy' on 27 February to raise awareness about the various domains of community service and its essence in one's life. More than 150 students participated in the event. A discussion panel having three young founders of NGOs- Mr. Sandy Khanda, Ms. Tanya Malhotra, and Mr. Aayush Jain as panelists was formed. Mr. Sandy Khanda is the Founder of the Green Pencil Foundation, and Ms. Tanya Malhotra is a Prime Member of the Spread Smile Foundation. Mr. Aayush Jain is the Founder & President of Teens of God NGO.

IDP Educational Drive

The International Development Program (IDP), Gurugram, in collaboration with RAC NCU organized this drive on 1 April 2022 at IDP Gurgaon. It was meant to help students to get a better understanding of pursuing their studies in Australian Universities.

The Flutter Festival 2022

Flutter festival 2022 was a community- led event series organized from 3 to 25 March 2022. In this, the fundamentals of google technologies- featuring flutter, firebase, and google cloud platform was taught. Free practice labs & documentation resources from google were provided to the students. The faculty coordinator for this event was Dr. Poonam Choudhary and the student coordinators were Mr. Rohit Dalal, and Mr. Sahil Pal.



Designing Lab Session by CSE

Jhanda - E - Shaan by Club Aashayen and Club Udaan

Club Aashayen and Udaan organized a Flag Hoisting event 'Jhanda - E - Shaan' in the University from 11 to 15 August 2022. The event was conducted under the Hon'ble Prime Ministers initiative 'Har Ghar Tiranga', a part of the 75 'Azadi Ka Amrit Mahotsav' started by our Honorable Prime Minister. More than 100 students participated in the event. During the event, all the students were encouraged to hoist a flag at their homes and click a picture of themselves along with the National Flag (selfie) and share it with the team. The faculty coordinators of the event were Dr. Shrutimita Mehta, Dr. Vaishali Sahu, Dr. Vidhi Khanduja, and Ms. Bahavana Sharma. The student coordinators were Nandini Pachauri and Aarjav Vajpayee.



Celebrating 75 'Azadi Ka Amrit Mahotsav'

Laughter Yoga Session

The CSE Department conducted a 'Laughter Yoga' session as a part of the induction program in collaboration with the Computer Society of India and the Gurgaon Laughtarian Club. The event was conducted by Sh. M.K. Razdan (Vice-President of the Gurgaon Laughtarian Club), Dr. Umesh Sahgal (a dentist by profession and a Laughter Yogi by passion), and Mrs. Indu Ahuja (a certified laughter yoga trainer) on 26 August. The Faculty Coordinators of this event were Dr. Shaveta Arora, Dr. Sujata, and Dr. Nishi Gupta, and the student coordinators were Saroj Dalwani, Riya Gupta, and Lakshay.

Tree Plantation Drive by Club Eklavya

Club Eklavya of The NorthCap University organized a 'Tree Plantation Drive' under the 'Har Ghar Tiranga Campaign' from 11 to 15 August 2022. The main goal of this plantation drive was to spread and raise awareness among the students about the significance of planting trees. Student volunteers' enthusiastic participation made the drive a huge success. They also took the responsibility of caring for their saplings until they became fully grown plants.

PROJECT UNNATI: श्रमिक कल्याण

The Legal Aid Society, NCU created Legal awareness among unorganized Migrant Labourers on welfare schemes of the Labour Welfare Board, Haryana, on 11 March and 13 April 2022. The members of the Legal Aid Society, The NorthCap University Gurugram, visited the Labour Chowk, shakti mandir road near sector 22, Gurugram, to create awareness amongst the labourers about the govt welfare schemes and their registration process of the Haryana Labour Welfare Board. Ms. Shiksha Dahiya, Faculty advisor.

Educational Trip to Mewat

The Legal Aid Society of The NorthCap University, Gurugram conducted an educational trip to Mewat, Haryana, on 4 May 2022. This trip was conducted in association with the Child Welfare Committee of Mewat (Nuh) to create awareness amongst the young children of हिंदू वरिष्ठ माध्यमिक विद्यालय and learn about the historical relevance of the various locations in Mewat. The areas covered in this educational trip were - Nalhal Mahadev Temple, हिंदू वरिष्ठ माध्यमिक विद्यालय, Krishna Radha Temple, Shringar Village. The Legal Aid Society also organized an awareness camp in हिंदू वरिष्ठ माध्यमिक विद्यालय, wherein they educated the young children about Good their rights and duties with an emphasis on Right to Education and the various scheme provided by the government therein.



Slum Area visit by Legal Aid Society

Legal Aid Society members led by Pragya Narang (Director of Outreach team) and Monisha Dhawan (Joint Director of Outreach team) conducted a visit to a slum in Sector 21, Gurugram, on the 13 and 20 August 2022. The team is working on the project 'Savera', which is for bringing change in the life of slum children to make them ready for school, wherein classes are conducted for the children.

Peace Rally

The District Legal Service Authority and the Haryana Police organized a rally on the occasion of International Day of Peace on 21 September 2022. The peace march was organized in association with the 'Earth Savors Foundation', where 40+ students gathered from the School of Law. The students chanted the slogan 'Bharat Mai Shanti Naye Yug ki Kranti'.

Aging with Dignity

Members of the Legal Aid Society, The NorthCap University, Gurugram, conducted an event, 'Ageing with Dignity' on 17 October 2022. In this event, 30 students visited Tau Devi Lal Old Age Home, located in Sector 4, Gurugram, and interacted with 17 senior citizens along with Sister Maryon. They also discussed the various rights that they can access.

Jan Sunvai

In the Second and Final Phase of Project Jan Sunvai the members of the Legal Aid Society, The NorthCap University, Gurugram, organized a camp on 20 October 2022 in collaboration with the Haryana Labour Welfare Board. More than 100 labourers turned up to discuss and place their issues in front of the Board. Being one out of three members, Dr. Pallavi Bajpai, Faculty SOL, facilitated various conversations in the meeting.

Village Adalat

Legal Aid Society organized Village Adalat on 21 October 2022, wherein the concept of mediation was discussed. The mediation took place in three sittings. First, the mediators heard both parties separately and tried to understand their situation and after that, in the 3rd sitting, the mediators heard to party jointly. After hearing the matter, the mediators resolved to issues of the parties and gave them solutions. It was a successful event, and students got to learn a lot.

Chronicles Of Gandhi

Club Aashayen, organized an online Quiz "Chronicles of Gandhi" for the university students on 02 August 2022. The event was conducted to commemorate the 153rd birth anniversary of the Father of the Nation' Mahatma Gandhi'. The quiz was hosted on Google Forms and the top 3 winners were given a shoutout on Aashayen's social media handles. The students of the University took part in the event with full enthusiasm and made the event a great success.

Modern Naari

Club Aashayen, The NorthCap University organized a seminar, 'Modern Naari' for the female students, staff, and faculty of the University on 6 November 2022. The event was conducted to spread awareness about the HPV vaccine and familiarise students with menstrual cups and their usage and benefits over sanitary pads. We invited Dr. Ila Jhalote, Consultant Obstetrician and Gynaecologist at Manipal Hospital. With an experience of over 11 years, with principal interest and expertise as a Laparoscopic & Hysteroscopic surgeon and infertility specialist.



Health Awareness session by doctor of Manipal Hospital

MOMENTUM 2022 – Annual Fest

The NorthCap University organized the 25th Edition of its Annual Techno-Cultural Festival **Momentum** on the 4th & 5th of November 2022. With around 38 different Cultural, Technical, Non-technical, and Sports events. Our students got an opportunity to display their talent, skills, expressions, and competencies. A massive hoard of students swarmed the event on campus. The festival enthralled the students with an impressive line-up of events ranging from the Fashion Show, Singing, Dancing, Hackathon, Ideathon, Cold Cooking, Volleyball, Archery, and many more exciting events. The festival witnessed overwhelming registrations for the on-stage and off-stage events from the student communities across Delhi NCR. In addition to participation, the festival witnessed collaboration from 32 sponsors ranging from food stalls to event partners. On Day 1, Rappers from MTV hustle 2.0 created a hip-hop atmosphere, following which Vh1 powered a DJ performance. The second evening witnessed a Bollywood musical act, with the melodious Nikhil D'Souza. The students participated enthusiastically, and the festival was a great success.



Sports Activities at NCU

Inter-Departmental Volleyball Tournament Boys

The Inter-Departmental Volleyball Tournament 2022-23 was held from 7 to 9 August 2022. The Winners Boys were the SOL Team which consisted of Dheeraj Sharma 21LLM013, Aryan Chaubey 21llb001, Mohit Yadav 18llb070, Vishal Yadav 18llb056, Udit Solanki 18llb025, Vishal 19llb088, Alarshul Ahuja 21llb041, Utsav Yadav 18llb052, Nikhil Tyagi 18llb071, Tarun Chawla 18llb062, Sahil 18llb061, Dinesh 21llm001. The Runner's-up was the CSE team.

Inter-Departmental Volleyball Tournament Girls

The Inter-Departmental Volleyball Tournament 2018-19 was held from 24 to 26 October 2019. The Winners girls were the B.Tech. Team which consisted of Mimanshi 21csu038, Shejal 21csu089, Riya 21csu082, Pridhi 22csu068, Khushi 21csu046, Uttkarsha 22csu182. The Runner's-up was the SOL team.

Departmental Basketball Tournament Boys

The Inter-Departmental Basketball Tournament 2022-23 was held from Basketball 20 to 22 September 2022. The Winners Boys were the CSE Team which consisted of Saksham Tomar 19csu268, Anil Sangwan 22csu017, Neeraj Sangwan 21csu492, Abhay Singh Bisht 21csu439, Nishit Bhat Nagar 20csu175, Gaurav Choudhary 20csu342, Hiten Vaid 21csu130, Anak Jhahria 21csu244, Prashant 21csu572, Lakshay Jakhar 20csu056, Agam Aggarwal 20csu203, Dhruv 22csu321. The Runner's-up was the SOL team.

Inter-Departmental Basketball Tournament Girls

The Inter-Departmental Basketball Tournament 2022-23 was held from Basketball 20 to 22 September 2022. The Winners Boys were the CSE Team which consisted of Manisha 21csu507, Dia Ahuja 22csu057, Taneesha Kalra 21csu133, Oditi Aggarwal 22csu125, Sarvi Bansal 22csu343, Anam 22csu030, Gaurangana 21csu535, Lasya 22csu104, Aditi 21csu344, Priyanka 21csu135, Dishika 20csu003, Tanya 21csu105. The Runner's-up was the SOM team.

Departmental Cricket tournament Boys

The Inter-Departmental Cricket Tournament 2022-23 was held from Cricket 15 to 18 November 2022. The Winners Boys were the CSE-2 Team which consisted of Rishabh Uniyal 19csu248, Priyanshu 19csu392, Dhruv Tyagi 19csu095, Aman Parkash 19csu019, Shivraj 20csu349, Khushal 22csu397, Hirtik 22csu411, Akhilesh 19csu017, Ritesh 20csu319, Abhishek 19csu384, Nikhil 22csu244. The Runner's-up was the SOM team.



Scholarships

Eleventh Fee Concession & Scholarship Distribution Ceremony (2021-22)

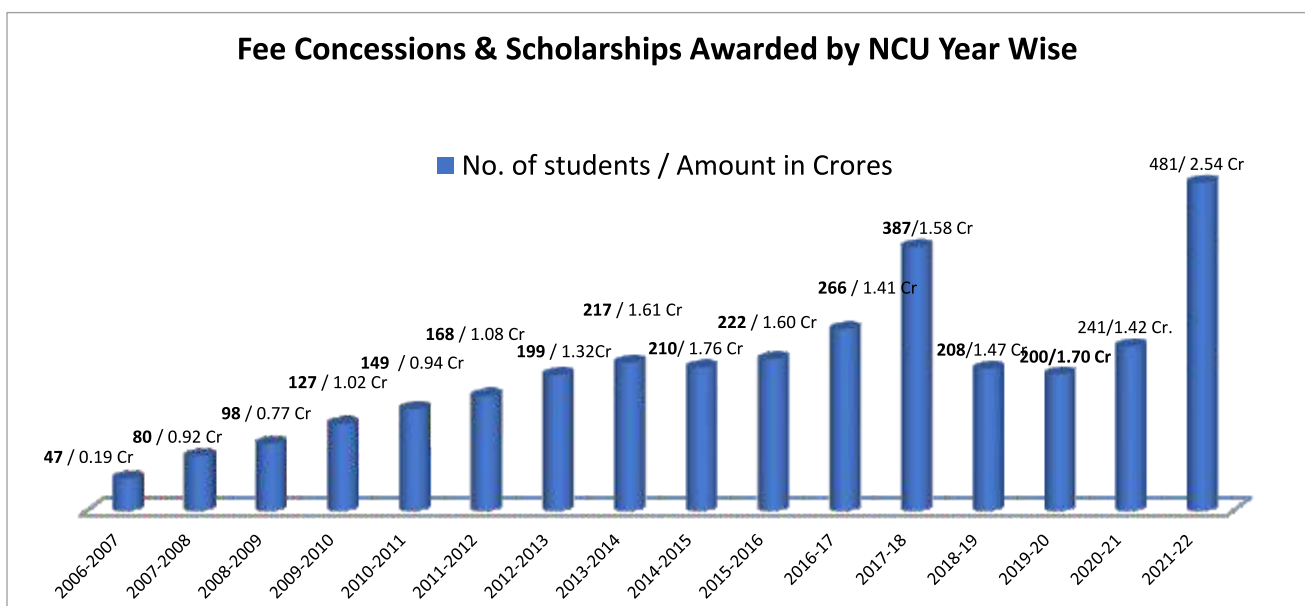
The NorthCap University, conducts its Fee Concession & Scholarship Distribution Ceremony every year to honor the students. In 2021-22, 481 students were given scholarships, based on merit. For that, a function was held in the Campus on April 18, 2022 to distribute scholarship cheques to meritorious students of Dean's list & Scholarship. Hon'ble Governor of Haryana Shri Bandaru Dattatreya handed over cheques to students.

Vice-Chancellor Innovation Fund

VCIF of amount 75,000 has been awarded to Saryu Chauhan (17MEU022), Tanuj Kumar (17MEU026), Arpan Aggarwal (17MEU037), Dinesh Yadav (17ECU005), Garry Mittal (17ECU008), Mohit Yadav (17ECU012), Nishant Yadav (17ECU029), Nishita Yadav (17ECU014) for the Project named 'Facelift and Field Test EV Bike' - Dr. Rohit Singh Lather, 'Design and Prototype of Smart Mask' - Ms. Amanpreet Kaur, 'Vehicle Payload Monitoring System' - Dr. Anjali Garg are the faculty coordinators of the projects.



Fee Concessions & Scholarships Awarded by NCU-Year Wise



Infrastructure

Design Centre @NCU

A digital revolution is currently underway, permeating every domain of our society like communication, education, medicine, transportation, farming, and manufacturing. Cryptocurrencies are disrupting banking systems. Hyperconnectivity has blurred the boundary between the physical and digital worlds through communication systems, sensors, wearables, and smart devices. Intending to bring all the emerging technologies like Data Science, Full Stack, Cybersecurity, the Internet of Things, Cloud Computing, Game Technology, AR, and VR under one roof. The University has set up a unique Design Centre at the campus. The objective is to help students and parents understand the basics of these technologies through visualizations, infographics, and interactive AR applications with a VR demo zone. The walls of the Centre have been designed so that visitors get a fair idea about the USPs, curriculum, and career aspects associated with the domain.

Central Research Facility

A Central Research Facility (CRF) has been established at The NorthCap University to provide a central facility with the latest and advanced analytical instruments for research in physics, chemistry, engineering, and interdisciplinary sciences. A total amount of Rs 1.2 Crore has been spent on establishing this facility at the University. It is equipped with the latest state-of-the-art equipment such as UV-Vis-NIR Spectrophotometer, LCR Meter, I-V Pico-meter, Vacuum Coating Unit, Scanning Electron Microscope (SEM), etc.

The facility has been strengthened by adding new equipment's viz, spin coating unit, and solar simulator in the academic year 2017-18. The Holography setup was also made functional by adding some more accessories. At present, around 30 UG and PG students and 20 research scholars are using this facility to pursue their projects/research work. Three research projects worth Rs 95 Lakh, owned by various faculty members, are being developed at the CRF. Members of the faculty have also submitted five more research projects worth Rs 1.31 Crore, in which the facilities of the CRF have been projected to be used. A total of 25 research papers have also been published using this facility in the current Academic Year. Researchers from other reputed organizations are also using this facility to pursue their research work.



ICT Facility

The University has a fully Wi-Fi-enabled campus providing uninterrupted access to the Internet for all students and staff. The University is connected with fiber optics on a network that is wide, robust, and secure. The NorthCap University has a 300 MBPS dedicated leased line, digital and multimedia library, networked computer labs, and Wi-Fi hostels. The core and distribution switches have been upgraded to enhance network performance. There is a central computing facility at the University along with computers in the main library, bringing the total number of computers available on campus to 966. Classrooms are equipped with LCD and LED projectors, with a common UPS to ensure undisturbed presentations.

Virtual Labs

NCU is a Nodal Centre for Virtual Labs, an initiative of the Ministry of Human Resource Development under the National Mission on Education through Information and Communication Technology, wherein eight IITs are currently involved. Virtual Labs aim to provide remote access to labs in various science and engineering disciplines, where the students can avail and share costly equipment and resources for learning, including additional web resources, video lectures, animated demonstrations, and self-evaluation through remote triggering.

Cisco Networking Academy

The Cisco Networking Academy at the University continues to meet the growing demand for ICT professionals and improves IT students' career prospects. IT professionals seek cisco certification and greatly improve students' prospects who want to build a career in the IT industry.

Canvas

The university has implemented CANVAS: Learning Management system (LMS). Canvas is a best-in-class LMS cloud-based solution that delivers a dynamic and engaging learning experience. It is an interactive, intuitive, and simple-to-use system available anywhere and anytime. It is device agnostic and can be accessed on mobile phones, Tablets, Laptops, and Desktops. It enables personalized learning pathways for students.

Enterprise Resource Planning (ERP)

NCU is an IT-driven University where nearly all its processes are IT-driven. Enterprise Resource Planning System (ERP) is based on Cloud computing, and a tie-up with Digiuniv Nyasa has added substantial efficiencies with the following modules in use: Admission and Fee Module, Academic Module, Examination Module, Attendance Module, Administrative Module

Smart Classrooms

To optimize the learning and classroom experience of students, the University has established a state of the art, smart classroom fully equipped with digital technology to replicate a physical classroom in a virtual mode. The classroom will enable students to attend virtual interactive lectures from anywhere in the world in a physical classroom like environment. It facilitates the faculty to deliver lectures in hybrid mode in a classroom like environment. This initiative taken by the university is in line with fulfilling the National Education Policy 2020 mandate towards implementing a technology enabled teaching learning process in higher education.

Data-Driven Decision (D3) Lab

In the digital era, a well-equipped business lab is required in the management department for analyzing and executing decisions based on the collected and available data. Data analytics contributes to producing informed and verified decisions for a problem. This lab helps business analysts and researchers to analyze the data for prolifically getting business and management implications. Software Configuration available in D3 Lab are: IBM SPSS, Anaconda, Tableau, R Studio, GNU cash, K my money, Ledger, Tally, Stock market simulator, Busy, Best broker, Amos, Mendeley.

Psychology Lab

Under SOM& LS, the Psychology laboratory offers tools and supplies to conduct psychological tests and experiments. In a Psychology Lab, the students learn to perform all standardized tests to examine intelligence, personality, creativity, anxiety, stress, emotion, adjustment and behavior problems, attitude, interest, aptitude, aspirations and values, jobs and careers, etc. A total of 12 psychological tests have been procured for the lab to teach students skills of rapport formation, test conduction protocol, scoring, and interpretation of test scores and their application in selection and recruitment, diagnosis, and personality profiling.

Information Technology

IT Vision

- Identify a long-term, sustainable and accessible solution that addresses increasing demands for storage and the integration and interoperability of our ICT systems.
- Address user demand for sophisticated, high quality, ubiquitous and reliable ICT provision whilst recognizing economic constraints.
- Create additional efficiencies whilst improving service quality through core ICT provision.
- Enable capacity to meet increasing network bandwidth demands and reduce single points of failure that threaten network connectivity availability.
- Improve information security provision, i.e., the confidentiality, reliability, and availability of ICT systems.

Resource	Available
Computers	966
System & Application Software	55
Printers	115
LAN & Internet	Available on systems
Mail Server & Client	Using Google Apps from Google
Internet Bandwidth	600 MBPS
Wi-Fi Facility	Campus and Hostel has full Wi-Fi coverage through 125 access points
Surveillanc	190 Cameras are placed in the Campus for monitoring
<p>NCU network has a backbone of optical fibre cable. Use of Unified Threat Management & Centralized Anti-Virus Server, Windows Update Server, Virtual Private Network Services, Learning Management System, Virtual Labs, Video Conferencing is provided. Access to the network from home – 24X7. Campus and hostels are fully Wi-Fi.</p>	



Physical Infrastructure

The University campus located in a clean and pollution-free environment is spread over 10 acres. It has a covered area of over 32,000 square meters which amply caters to all its academic and administrative needs. The excellent academic infrastructure consists of over 60 classrooms, 18 tutorial rooms, 71 labs, 25 workshops, faculty cabins, seminar hall, conference rooms, media room, a 430 seat state-of-the-art auditorium with a well-equipped green room for participants, and a double basement parking. Departments, laboratories, and facilities have been further strengthened during the reporting year.

The open-air amphitheater next to the sports ground is used extensively for various University functions, club, and professional society activities. Many student groups are dedicated to community service and social action. The office of students' activities serves as a living-learning center for students to coordinate a broad range of social, cultural, intellectual, educational, and leadership programs which are conducted throughout the year. It has sports facilities for nearly all indoor and outdoor sports. The cricket-cum-football ground is arguably one of the finest grounds in the NCR, with floodlight facilities for night sports. An air-conditioned two-storeyed cafeteria, student center, and incubation center, covering an area of more than 15,000 sq ft, provides a unique experience to faculty and students. It has been designed with modern interiors and energy-efficient concepts. NCU also has a branch of the Canara Bank with an ATM operating from its premises for the convenience of its faculty and students. In addition, there is also a Nestle and a Coco-Cola outlet. The University provides hostel facilities to over 125 students. The rooms are well-furnished, and the hostels also have a 24-hours power backup system, treated water, Wi-Fi, intercom, indoor sports facilities, a central kitchen, entertainment, recreational facilities, and a bus to carry students to and from the University. The new building provides state-of-the-art classrooms, an area for student activities, and faculty rooms. NCU is committed to the green movement. Campus-wide initiatives at reducing, reusing, and recycling are helping it achieve a green code of living:

- **Use of renewable energy:** Based on the green audit, installation of 150 KW rooftop solar PV system with net metering facility, possibly the first and only University to install it.
- **Energy Conservation:** LED lighting, false ceilings to reduce heat load, and abundant natural light make the building energy efficient.
- **Water harvesting:** Rainwater harvesting system with pipes going to 300 feet below ground level.
- **Sewage management:** 100 KLD sewage treatment plant to ensure zero discharge to the municipal sewer line with plans to use treated water for horticulture. Garbage was handed over to MCG for proper disposal. No hazardous waste is produced on campus.
- **Efforts for Carbon neutrality:** Green footprint through 6 acres of green area out of 10-acre campus area.
- **Plantations:** Lush green gardens all around the campus. NCU has been the winner of the HUDA garden competition in Gurugram for 17 consecutive years.
- **Odd-even scheme for vehicles:** Ongoing scheme for reducing emissions, thereby reducing air pollution.
- **E-waste management:** Disposal of e-waste is an emerging global environment and a public health issue.
- **All loosely discarded e-waste** is collected at the University and handed over to external vendors.

The Indian Meteorological Department, Ministry of Earth Sciences, GOI, has selected NCU for setting up an Automatic Weather Station (AWS). It will provide accurate and real-time data of minimum and maximum temperatures, rain measurement, humidity, wind speed and direction, pressure, solar radiation, etc.

Gymnasium

The University has commissioned one of the most modern air-conditioned gymnasiums that encapsulate both luxury and functionality. The Gymnasium has state-of-the-art equipment with rubber flooring with a high-fidelity sound enhancing system.

Prof. Nupur Prakash, Vice-Chancellor, NCU, inaugurated the Gymnasium on 22 November 2021 and highlighted the need for utilizing the Gymnasium and remaining active at all times. She added that the University had taken this initiative by investing in a highly modern, state-of-the-art gymnasium so as to maintain a healthy life in the campus.



Library & Information Resource Centre

Library & Information Resource Centre

The Library and Information Resource Centre (LIRC) at The NorthCap University, a vanguard of its ever-growing infrastructure development, consistently receives principal attention from its management. It has a rich collection of books, journals, and online resources. Currently, the LIRC has a collection of over 1,00,000 volumes (including Book Bank) in all areas of Engineering, Law, Sciences, and Management. The LIRC subscribes to over 67 print Scopus and UGC care listed and BCI-recommended journals. LIRC updated its computerized services from Libsys 10 Software during the reporting year. A bar-coded system is placed on each book to enable circulation, and an RFID system is planned.

Salient facilities provided to readers are as follows:

- Extending support to the Government's campaign of 'Digital India,' LIRC launched the first University Library Android mobile app, which is available free of cost for download at Google Play Store so that users can access library resources 24x7 through their mobiles.
- Regular information and updates on 'New Arrivals' are provided through group emails and uploaded on the University's website.
- Remote access facility through VPN provides 24X7 access to the library resources.
- NCU Library can be accessed 24*7 online through the LSearch Mobile app, which is available on Google Play Store. Through this, app users can check his/her account and access the collection.
- Notification through SMS/Email on every transaction is sent one day before the borrower.
- Library has WEB OPAC, which allows students to reissue their books from anywhere.
- LIRC joined INFLIBNET Shodhganga theses repository (an initiative of UGC). It provides full-text access to the theses published in Indian universities, including those recently completed at NCU.
- LIRC is a member of DELNET (Developing Library Network), which offers students the Inter-Library Loan Facility.
- LIRC is also a member of the American Centre Library, New Delhi. The American Centre Library is a part of the US consulate in India and provides Library and education consultancy services to students.
- We have subscribed to various e-resources to fulfill users' information needs and support research activities. LIRC subscribed to new e-resources such as Westlaw, Manupatra, SCC Online, EBSCO Host, Springer, ProQuest, and Tata Mc Graw Hill (E-Books)
- To facilitate students to prepare for their examinations, both internal/external, the library timings have been extended to 10.00 pm on all teaching days.



- LIRC Photocopier machines have been replaced with new digital machines which provide faster and more accurate services.
- LIRC has a reading room with a capacity for 250 students. This reading room has been equipped with comfortable seating arrangements.
- LIRC has a separate reading room for Research Scholars and Faculty Members.
- The library has also been organizing training programs and workshops for students and faculty members from time to time, particularly in using e-resources.
- To keep the library collection up to date, LIRC distributes old, outdated books to students and faculty members free of cost.
- The library has biometric punching to manage the entry and exit of students to the library. It is in practice and functioning smoothly. Earlier it was being done manually.
- To keep the users aware of the facilities and services offered by the library, all important activities, notices, services, facilities, etc., are displayed on a Digital Notice Board at the Library gate.
- Library provides the facility of paying a fine online through Paytm, Phone pay, and Google Pay.
- To promote the reading habit and increase the use of resources and facilities among users, the library has put up posters, distributed flyers, etc., to students.
- Library provides a reading facility of reputed magazines for students and faculty members.



Details of facilities provided by LIRC are as under:

Online Renewal of Books: LIRC provides the facility of online renewal of books to all its users. A borrower can reissue Library books issued to their account from anywhere through the WEB OPAC facility. The link to use this facility on the library page is <http://opac.ncuindia.edu:8380/opac/search/search.html>

Reservation of Books: This facility allows users to reserve books issued out and thus not available in the library. Users fill out the reservation form available at the library entrance and submit it to the gatekeeper. Users can find out about the availability of the book the next day.

Back Volumes of Print Journals: LIRC has enriched its collection by compiling volumes of print journals coming to the library. These volumes are available for reading and issue (only for overnight use).

Digital Library (Multimedia Section): This section allows users to access the electronic resources subscribed by LIRC. Twenty dual-core machines with printer and scanner facilities have been installed for users. Headphones for access to audio-video materials are provided.

Special Collections: The LIRC has a special collection of theses gifted by Professor Prem Vrat, Pro-Chancellor of The NorthCap University. These theses are available for reading in the Library. The LIRC has also procured a complete set of 'McGraw Hill Encyclopaedia of Science and Technology and many other important reference books for users.

DELNET (Developing Library Network): In this information age, no library is completely sufficient to provide all the services to users on its own. DELNET is a national network of libraries established with a mission to support member libraries and promote the culture of resource sharing. NCU LIRC is also a member of Delnet. Any user can request access to books and journal articles not available in the Library through Delnet.

Tata Mc Graw Hill- E-Books: LIRC subscribes to the TMH e-books on engineering, management, applied sciences, computer science, etc. This database has many advanced features like downloading books, creating bookshelves within the database, etc.

Online Resources: LIRC subscribes to online electronic resources such as the EBSCO Host, Westlaw, MANUPATRA, SCC Online, Springer Nature, DELNET, etc.

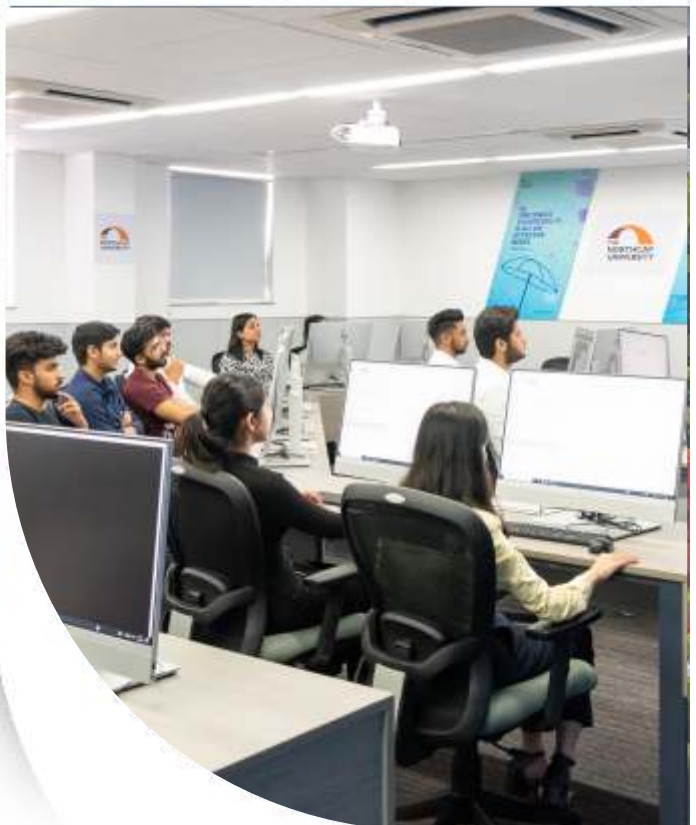
Notification on Every Transaction: Library offers its students a user alert service. Users get a notification through email and SMS on every transaction.



Schools

The NorthCap University, with an alumni strength of 12,000+ and a glorious track record, has evolved itself as benchmarked professional institution of excellence across the Schools of Engineering, Management, Applied Sciences, Liberal Studies and Law at Undergraduate, Postgraduate, and Ph.D. levels. NCU offers multidisciplinary and contemporary global pedagogy to build skills and inculcate competencies that fit the industry's contemporary demand by identifying the need and relevance of innovative think-tanks and a capable workforce. Our academic span of excellence revolves around our students' holistic development and prepares them for the rapidly reshaping future and newer challenges. The NCU's on-campus enrolments drawn from across different nationalities, states, and cities of the world are a sign and appreciation of its counted efforts. The higher concentration of talented teachers, researchers, and students has set it apart as one of the top scorers in various rankings vis. NIRF, ARIIA, CSR, Outlook Ranking, and more.

Excellence in Education Since 1996



School of Engineering and Technology

The NorthCap University's School of Engineering & Technology (SOET) with its five academic Departments of Applied Sciences (APS), Civil & Environmental Engineering (CEE), Computer Science Engineering (CSE), Electrical, Electronics, & Communication Engineering (EECE), and Mechanical Engineering (ME), forms the most significant component of its academic arena. The school has recently revised its curriculum for a closer alliance with industries and provide necessary skills to students to face the real world's challenges. Each program offered at SOET blends for strengthening students' critical thinking and analytical abilities to innovate, apply, and excel with their knowledge and skillset.

Department of Computer Science and Engineering

The Department of Computer Science and Engineering has taken many new initiatives. The Department has conducted over 50 events, including webinars, workshops, career counseling sessions, FDPs, guest lectures, and hackathons at the National and International levels.

The Department has launched certification programs in the emerging areas of technology. The faculty of CSE have chaired/co-chaired various International Conference sessions, upskilled themselves with online certification programs of international repute and kept themselves at par with the current trends and needs of the industry.

Major Activities and Achievements

Department of CSE, The NorthCap University has been awarded support of INR 72,61,600/- for five years under Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase II for two full-time Ph.D. Scholars from Jan 2023. The Nodal Officer for the scheme is Prof. Rita Chhikara, Head CSE and the coordinator is Dr. Neeti Kashyap.

Department of Computer Science and Engineering, The NorthCap University, Gurugram, launched three Certification cum Summer Training programs in the emerging areas of technology, namely Big Data Analytics, Penetration Testing and Malware Analysis, and Real-World Data Science Projects, from 13 June-26 July 2022 (six weeks duration). These programs had hands-on sessions from experts in academia as well as industry experts from reputed organizations like PAC Security, Brain Mentors, Pvt. Ltd., and Further Systems Pvt. Ltd, Adidas, etc. The Program conveners for the certification program on Penetration Testing & Malware Analysis were Dr. Shilpa Mahajan and Dr. Mehak Khurana. The program conveners for Big Data Analytics were Dr. Meghna Sharma and Dr. Poonam Chaudhary. The program conveners for the Real-World Data Science projects certification program were

Dr. Nitin Malik, Prof. Pankaj Agarwal, and Dr. Sujata. Dr. Srishti, Assistant Professor, CSE was the overall coordinator for all these three certifications cum summer training programs. The program chair was HOD, CSE, Prof. Rita Chhikara.

- Department of Computer Science and Engineering, The NorthCap University organized an International Game Jam-"Meta May Day" from 6th to 8th May 2022. Around 170 game developers and game enthusiasts worldwide participated in this 48-hour-long competition and created and developed functioning 2D/3D video games from scratch. The game jam also had workshops by eminent industry experts from Ubi Soft, Abu Dhabi. The event was coordinated by Ms. Nisha Arya and Mr. Anand Seghal under the guidance of HOD, CSE, Prof. Rita Chhikara, and Vice-Chancellor, NCU, Prof. Nupur Prakash.
- Department of CSE organized multiple career guidance sessions for its students. 'Careers in Cloud Computing', delivered by Mr. Kumar Sethi, Executive Leader CloudSufi, discussed the need for Cloud Computing in the IT industry and the different types of cloud computing services being used. Another session on "Careers in Digital Transformation and Innovation" was delivered by Mr. Pradeep Sharma, Director, EY, which focused on digitization, digitalization, digital transformations, and career scope in the field.
- Department of CSE, The NorthCap University, organized a "Panel Discussion on Emerging Technologies" on 28th April 2022 for B.Tech 1st year and BCA 1st year students. Industry experts were invited from different domains to address the students and provide them valuable insights regarding the future scope, skillset requirements, job opportunities, industry-standard certifications available, etc.
- Department of Computer Science Engineering organized multiple industrial visits to reputed organizations to provide exposure to its students about the current work practices in the industry and an opportunity to learn practically through interaction and understanding, the real-life challenges faced. This included visits to ISRO's Regional Remote Sensing Centre (North); Pusa Krishi Vigyan Mela 2022; XR Central; Centre for e-Governance (CeG), Ministry of Electronics and Information Technology (MeitY); India Mobile Congress 2022.
- Dr. Rita Chhikara, Dr. Meghna Sharma, and Dr. Poonam Chaudhary from the Department of CSE have attended a Professional Advancement Programme for Indian Women Researchers in STEM sponsored by DST, SERB, Govt. of India organized at Doon University Dehradun from 2nd to 4th June 2022.

- Prof. Rita Chhikara, HOD CSE, was bestowed with the Outstanding Scientist Award during the International Research Awards on Science, Technology and Management held on 14-15 May 2022 in Chennai, India, organized by VDGGOOD Professional Association.
- Dr. Srishti, Assistant Professor, CSE, has won an international-level IEEE award. She has been felicitated with the IEEE Member and Geographic Activities (MGA) Student Activities Committee (SAC) Outstanding Branch Counselor Award 2022 for her effort and contributions to making the THE IEEE NCU student branch is exemplary.
- On the Teacher's Day Celebrations in the university, on 5th September 2022, three faculty from the CSE department were felicitated for their outstanding contributions to the university for the academic year 2021-2022. Prof. Rita Chhikara, HOD, CSE, was awarded Best Academic Administrator (1st Rank) for her outstanding contribution and achievement in Academic Administration and Best Researcher (2nd Rank) for her outstanding contribution and achievement in the conduct of research. Dr. Srishti and Dr. Poonam Chaudhary, Assistant Professors, CSE, were both jointly awarded Best Teacher (1st Rank) for their outstanding contribution towards imparting education in the university for the academic year 2021-2022.
- Four students from the Department have been selected for their project work at RRSC-N, NRSC/ISRO, New Delhi, for six months.
- 15 students from the Department of Computer Science and Engineering have completed the prestigious AWS Cloud Practitioner Certification.
- CSE 2022 batch student Mr. Arnav Oberoi got a job offer from Epsilon Data Management, LLC, USA as a Data Analyst, with a pay package of 57LPA.
- The Department of CSE organized a Faculty Development Program on "Machine Learning" to help the participants upskill in machine learning. Dr. Srishti, Specialization lead, AI and ML, Deptt of CSE coordinated the program. The complete details of the same are available in Annexure A.
- Highly qualified and experienced faculty is the greatest asset of the CSE Department. The faculty of the CSE department is engaged in several outreach activities. More than 45 outreach activities have been performed by the highly skilled faculty of the CSE department. A detailed list of faculty achievements and outreach is available in Annexure B.
- The faculty attended various seminars/workshops/FDPs. This enabled faculty members to update their research and pedagogical skills to bridge the quality research and teaching skills gap. The list of seminars/workshops/FDP attended by faculty is given in Annexure C.
- NCU empowers its students to achieve professional and personal success, ready to change the future landscape. Considering this philosophy, the Department of CSE focuses on academics and on grooming its students in all dimensions, ensuring their overall development. This is mentioned in the achievements enlisted in Annexure D.
- The clubs and societies of the CSE Department are very active and conduct events on a regular basis. In the reporting year, more than 50 such events were conducted.
- The Department of CSE has signed 11 functional MoUs with institutions/ industries in India and abroad for an internship, on-the-job training, project work, student/faculty exchange, and collaborative research during 2021-2022. The list of the same can be found in Annexure E.



CSE Students Won in Hackathon

Students of CSE, NCU secured the Winner position in EY GDS Hackpions (Hackathon) 2021, conducted by HackerEarth Technologies Private Limited on behalf of EYGBS (India) LLP. They will receive prize money of Rs.1,50,000/- for the same. Out of 2368 registered teams, NCU students Kashish Bhagat (18csu106), Kushagra Sharma (18csu114), and Kushagra Bhatnagar (18csu113) made a place for themselves with their faculty mentor Dr. Poonam Chaudhary. Their submitted project is on AI-based solutions for the Problem statement: CV Screening.

CSE Students' participation in India International Science Festival (IISF)

CSE Students were selected to present their project ideas at the 6th edition of the India International Science Festival (IISF) on December 11th-12th December 2021, in Panjim, Goa. Only 25% of the total projects were chosen for physical mode presentation from India. Our students Yukta Yadav (19CSU365), Deepanshu Manocha (18csu096), Sourabh Sharma (18CSU241), Sidhant Gumber (19CSU308), Udit Kapoor (19CSU327), and Tarun Sharma (19CSU322) with their faculty mentor Dr. Kavita Khanna and Dr. Poonam Chaudhary were able to showcase their problem solving, critical thinking skills with sound technical knowledge.

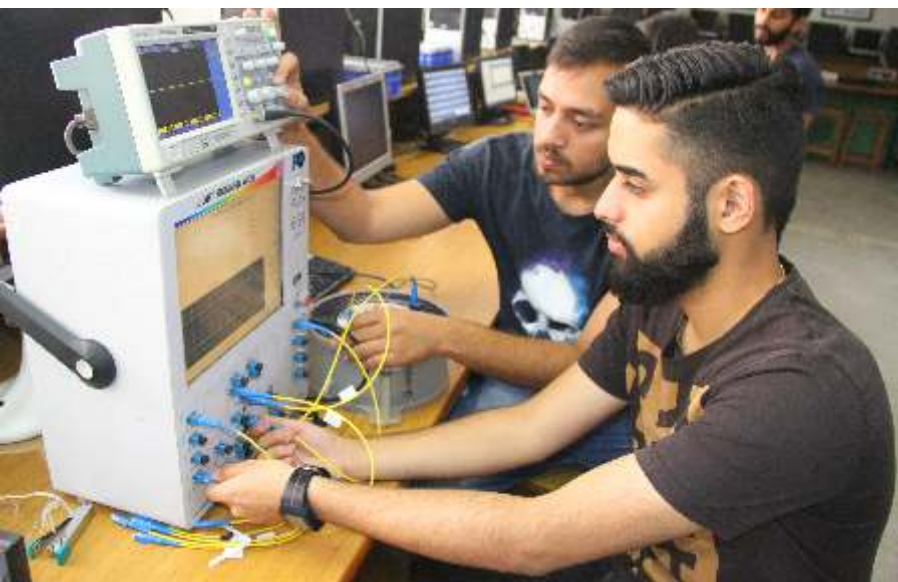
CSE Students Won at SPEED 2022

Students of CSE Yatin Bajaj (19csu360), Shruti Gupta (19csu424), and Bhavya Sharma (19csu371), under the guidance of Dr. Vidhi Khanduja and Dr. Sujata, have received Best Project Award. The award under the Computing and Communication Technologies category in the SPEED 2022: 6th Student Project Exhibition on Engineering Design, held at GD Goenka University, Gurugram.



Department of Electrical, Electronics, and Communication Engineering (EECE)

Electronics and Communication Engineering (ECE) is one of the largest and fastest-growing engineering fields. It provides comprehensive knowledge of conventional topics like navigation systems, radar, electric motors, communication systems, VLSI Design, and more advanced topics like the Internet of Things, wireless sensors, etc. All electronic devices need a software interface to run and come with one or the other device-controlling programs designed and developed by electronics and communication engineering. Hence computer science and ECE go hand-in-hand, and ECE is always in demand. Students can develop careers in core electronics and communication engineering and information technology with one of the leading electronics engineering colleges in Gurgaon.



Department of Mechanical Engineering

Mechanical Engineering (ME) is one of the popular and evergreen branches of engineering. The NorthCap University offers B.Tech Mechanical Engineering and M.Tech Mechanical Engineering programs through which students gain comprehensive knowledge of conventional topics. Being ranked among the top universities in India, NCU, in addition to the conventional topics, provide students with an opportunity to dive deep into advanced topics like Thermodynamics, Manufacturing Technology, Automobile Systems, Industrial Engineering, 3-D Printing, Rapid Prototyping, etc. The physical system that the world uses is designed and developed by the concepts of Mechanical Engineering. System Automation and Physical Integration go hand in hand. Hence, Mechanical engineering suits every field, whether designing gadgets or designing and automating the physical system. Students can develop careers in the field of software implementation, Automation, or core Mechanical Engineering.

At NCU, Ph.D. in Mechanical Engineering program prepares students to conduct the highest level of research with guidance from experts.

Certification Program on Project Management Certification

By 2027 it is projected that most work will be project-based. Project management skill is required in every field, irrespective of profession and domain. Project managers are versatile: IT field, business services, oil and gas, finance and insurance, manufacturing, construction, and utility industries—worldwide. Twenty-two million new project management job openings through 2027. Therefore, Project management skill is essential in every field, irrespective of profession and domain. For this reason, the demand for project managers has grown more rapidly than for skilled workers in other occupations.

The Mechanical Engineering Department offered a Project Management Certification course in January 2022 under Arizona State University certification courses. The certification has three courses: Project Management, Project Leadership Strategy and Scope, and Business Agile Project Management.

For the PM certification program, The NorthCap University tied up with The Project Management Institute (PMI), USA, as an authorized training partner (ATP) from March 2022 to March 2023. As a result, 146 students opted for the Project Management (MEL 613 IP) course as an open-elective course from ME, CSE, CEE, and SOM (MBA, BBA, BBAB, and BBAD). All students who complete 60 hours of Project Management Training will be eligible for Certified Associate in Project Management (CAPM) and other Certifications offered by PMI. Of 146 students, 35 will complete the entire Project Management certification, which commenced from January 2022 till December 2022.

Launch Of Citizen Developer Student Hub Power Platform Program

The Mechanical Engineering Department Launched Launch Of Citizen Developer Student Hub Power Platform Program offered by the Project Management Institute PMI and Microsoft to offer no-code/low-code tools on Microsoft Power Platforms for building applications without software expertise, significantly faster and at a fraction of the cost. Students will learn how to quickly build business solutions and transform workflows using low-code development, an in-demand skill worldwide.

5th International Conference on Emerging Trends in Mechanical & Industrial Engineering

The Mechanical Engineering Department, NCU, organized a 2-day International conference titled "5th International Conference on Emerging Trends in Mechanical & Industrial Engineering (ICETMIE-2022)" on March 4 & 5, 2022, in Hybrid mode. Prof. V K Vijay, IREDA Chair Professor, CRDT, IIT Delhi, National Coordinator - Unnat Bharat Abhiyan (UBA), MHRD Govt. of India was the Chief Guest, Dr. Mamta Rani Agarwal, Advisor – I, AICTE, Guest of honor and Special Invitee Ms. Pamela Tikku, Chief Business Officer ICAT. 200+ articles were received for the conference from over 7+ countries around the globe. All accepted papers will be published in Lecture Notes in Mechanical Engineering published by Springer, indexed in Scopus, Journal of Thermal Engineering – Yildiz Technical University Press, Turkey, Scopus, and ESCI indexed. Sigma Journal of Engineering and Natural Sciences, Yildiz Technical University Press, Turkey, ESCI indexed.

Authorized Training Partner (ATP) Project Management Institute (PMI), USA

The mechanical engineering department became an Authorised Training Partner (ATP) of Project Management Institute (PMI), USA, for the Project Management Certification Program. The Project Management Institute (PMI) is a world leader in Project Management Certifications.

Project Management Institute is the world's leading not-for-profit professional membership association for the project, program, and portfolio management profession. PMI delivers value for more than 2.9 million professionals working in nearly every country worldwide through global advocacy, collaboration, education, and research. PMI advances careers, improves organizational success, and further matures project management through its globally recognized standards, certifications, resources, tools, academic research, publications, professional development courses, and networking opportunities.

Authorized Training Partner (ATP) is a 12 Month Membership and renewal program offered worldwide by PMI. PMI ATP program ensures that all training content and instructors are aligned with industry standards. The course instructors adhere to PMI's ATP standards. It promises a high quality that is uniform across our PMI certifications. As ATP, we can use the PMI logo on certifications. Offer Professional Development Units (PDUs) to students and Professionals.



Department of Civil & Environmental Engineering

Civil Engineering is considered the second-oldest engineering discipline after military engineering. It is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including public works such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, structural components of buildings, and railways. Civil engineering traditionally comes into several sub-disciplines, such as Construction Engineering, Earthquake engineering, Environmental engineering, Geotechnical engineering, Transportation engineering, Water resources engineering, Structural engineering, etc.



School of Management and Liberal Studies

About School of Management and Liberal Studies

Over the past decade, the School of Management and Liberal Studies, The NorthCap University, has firmly established its reputation as Delhi NCR's premier B School. We treasure this position through our proactive, innovative, and supportive action to support our students, researchers, and academic partners. SOM offers a distinct intellectual culture and supports creating a framework to foster positive change worldwide. Indeed, we keep our students central to each effort that we make.

Business practices now are different from earlier, and so is our approach. School of Management, The NorthCap University, has been closely watching the global economic trends and stand-points of the governments across the nations and then molding our education and training approach based on the contemporary need. Importantly, continuous interactions, regular industry updates, real-life business challenges, and cutting-edge research projects are necessary for a quality business education. We ensure that each new breed of young minds educated here at the School of Management is doing far more than merely building conventional products and services. Meanwhile, we also fuel the fire towards social entrepreneurship through their engagement with communities, non-profitable organizations, and other weaker sections of society.

Programs Offered

School of Management & Liberal Studies offers an array of programs:

BBA (General), BBA (Business Analytics), BBA (Digital Marketing), BA. Psychology, BA. Economics, and B. Com to fit in the needs and interest areas of the students. Recently, we added a Bachelor of Business Administration (BBA) with a Specialization in Entrepreneurship and Family Business and a Bachelor of Commerce (B.Com. Hons.) with a Specialization in Financial Markets.

Master's in Business Administration with dual specialization in Business Analytics and Ph.D.

Additionally, we have designed our trail to provide comprehensive development to all students via mentoring, research-based learning, innovative approach, conferences, seminars, industrial visits, and elite talks; to groom them into industry-ready professionals.



Global Perspective

Serving the need of the world market, global customers, and employees requires a deeper understanding of unique cultures, communication practices, and business traditions. A high-tech business leader is born in one country and has worked in at least three others. To thrive in the interconnected world, The North Cap University formally launched its partnership with Arizona State University and Cintana Education in June 2021 and entered its NCU2.0 phase. NCU 2.0 is about changes around us and leveraging the opportunities that have opened.

This alliance with ASU and its network of universities in multiple countries is long-term and provides many avenues for University-to-University collaborations across schools and programs. It gives us access to digital content, faculty resources, and possibilities of co-teaching - both inbound and outbound and research collaborations. Further, it opens access to our students through certifications, accelerated masters with credit-equivalence arrangements to save time and money for PG courses at ASU, and dual degree programs subject to achieving conditionalities under Indian regulations.

Industry Collaboration



MOU with Association of Chartered Certified Accountants

From game-changer vaccines, and ground-breaking fertilizers, to unstoppable technological developments, research and innovations indicate the direct relationship between knowledge and application. Businesses prioritize talent, which is real-world based and speed to market. Therefore, we collaborate with Universities to work together on Talent in the pipeline. This supports the Risk-Averse and ROI-Sensitive businesses to anticipate the future and fulfill their futuristic needs well in advance.

School of Management, The NorthCap University, Gurugram, has signed certain MOUs with leading industries to inculcate the entrepreneurial culture and enable the successful transfer of knowledge and expertise. Meanwhile, we also evolve the new models of cooperation between industry and academia- as the Millennial Generation comes out with their style of distinctive entrepreneurial thinking.

Curriculum

School of Management follows the underlying idea at NCU as a 'Digitally first University.' Knowing the changing demand and preferences of industries, we keep designing and re-designing our curriculum depending on the contemporary need of the market. We underpin to address inequalities and resource shortages and create student opportunities.

Offering the choice of 'electives' is one such measure wherein our students can study the subject of their choice in parallel with the core subjects. Compulsory courses on 'Foreign language' are another means adopted by us. Meanwhile, hybrid learning, digital skilling, and community service practices are embraced by our school to offer education in a much more convincing tone. Certainly, we have adopted the directions from National Education Policy 2020 and acutely innovated our curriculums at scale.

Board of Studies

BOS Meetings have been conducted regularly within School of Management and Liberal Studies. In the reporting year, three BOS Meetings were conducted on 10th Nov 2022 wherein Introduction of Open elective uncovering music was discussed. Second meeting held on 19th Jan 2022 regarding the introduction of bcom(H) with specialization in financial market and BBA with specialization in entrepreneurship and family business. Third BOS meeting was conducted on 21st Oct 2022 on introduction of MA Psychology program.

Research at the School of Management

Teaching and Research go hand in hand. Undoubtedly, Universities are the place for learning, knowledge creation, and discovery. Abide by the duty of balancing between the two, the School of Management & Liberal Studies provides ample time, space, and support to students and faculty members to contribute to research areas.

Five members of the faculty are pursuing Ph.D. **Twenty-four** scholars are currently pursuing Ph.D. in the areas of Finance, Human Resource Management, Retail Marketing, Marketing, Entrepreneurship, Knowledge Management, Rural Marketing, Operations Management, Advertising, and Entrepreneurship. One Research Fellow receives a contingency grant of Rs 25,000 per month to facilitate her research. Six scholars receive the JRF Fellowship, and nine are NET qualified.

Minor Projects/Major Projects/Internships

We facilitate UG and PG students fetching attractive options for short and long-term internships with reputed firms. Particularly in the management domain, research is more about finding the trends in the industry, forecasting the future, or diagnosing the impact of any event/action/process.

Minor Project: It is meant for first-year UG students to help them learn and practice research basics and elementary statistical tools on generic topics to convert their theoretical knowledge into Project-based learning. Three hundred and twenty students have presented their minor projects.

Major Project: It is meant for the final-year UG and PG students to promote Project-based learning on more profound applications of theoretical foundations in different courses.

Internships: All SOM students must have three credit internships during the summer. Summer Internship is to be performed in the summer break (May-July) by the students to keep them engaged and to learn the practical usage of what they have learned. Each student is required to complete a summer internship in a registered company, the duration of the internship duration is min 4-6 weeks for UG students and Min 6-8 weeks for PG students. 190 undergraduate and 30 PG students have undergone the said internships from July-August 2022

Placements

Centre of Professional Attachment, popularly known as CPA, is dedicatedly operating under The NorthCap University to attain its goal of 100% placements. Practically speaking in number, the percentage of placements always remains above 75%, and in the recent unprecedented times too, we could help 50% of our students placed. We equally work on developing skills enlisted with us as communication skills, personality development sources, team working skills, etc. The other story is about looking at the packages. Well, depending on the profile they opt for, our students receive packages ranging from higher to medium of what is prevalent in the market at the time of their placements.

Clubs and Activities at SOM

We have VIII Clubs operating under the School of Management and Liberal Studies. ASQ Club, Economic Collective Club, Extra-Curricular Club, Manovriti-The Mental Health and Community Services Club, Marketing Marvels, Social clubs, and Synergy Club. Their purpose is to let students expose themselves directly to the world other than classrooms, learn by doing or through discussions and create their answers while staying socially conscious. Activities at our clubs include- field visits, seminars/webinars/workshops, quizzes and competitions, the charity for the socially downtrodden, donation drives, and much more. Meanwhile, we are also on social media to initiate or join healthy conversations, showcase our achievements, and share relevant news and purposeful information with a broader audience.

SOM connect with Alumni Association

Adding to the series, SOM keeps conducting the Alumni interaction program for Alumni to act as a torchbearer for their juniors through their success story. Such interaction programs help our previous students keep visiting or connecting with us for knowledge sharing, contributing, and staying grateful towards their school of learning as and when required.

School of Law

School of Law at The NorthCap University is one of the premier law schools in Delhi and NCR. We offer three programs viz., the five-year Integrated BBA-LLB (Hons.) at the undergraduate level, one-year LL.M with specialization in Human Rights, Corporate Law, and Intellectual Property Rights at the postgraduate level, and a full-time/part-time Ph.D. program at the Doctoral level to pursue research in contemporary legal areas like Environmental Laws, IPR, Civil Laws, Criminal Laws, Corporate Laws, Labour Laws, Constitutional Laws, etc.

Our vision is to promote interdisciplinary legal education, innovation, and quality research of social relevance conforming to the highest contemporary standards. With a commitment to nation-building through solid legal and ethical values, the school aims to advance political, social, and economic justice and emerge as a preferred destination for students, faculty, employers, and collaborators.

Research Orientation

The School of Law (SOL) at The NorthCap University provides the right platform for research. The SOL has a resourceful library in addition to the university's central library. Various online research portals, such as Westlaw, SCC Online, Manupatra, etc., are available for students and research scholars. Above all, it has one of the best research environments wherein sufficient space has been provided at the main library for research scholars. The faculty members consist of some of the best that have graduated from National Law Universities (NLUs), state universities, etc., and some of the most experienced ones that have served in the position of deans at top central universities.

To date, four SOL candidates have already been awarded their PhDs, and two more theses have been submitted for review. Currently, the SOL has 11 candidates who are pursuing their Ph.D. at the SOL in the following areas: Criminal Law, Law on Information Technology, International Trade Law, Law on Human Rights, Environmental Law, Intellectual Property Rights, and Commercial Disputes Settlement Law. In addition, SOL has a couple of research centers - the Centre for Intellectual Property Rights Advocacy Research and Training (CIPRART) and the Centre for Development in Energy and Environment Policy (CDEEP), that conduct specialized research in their respective areas concerned. The Centre for Postgraduate Legal Studies (CPGLS) also conducts research activities from time to time. Last year (2021), two faculty members were awarded their Ph.D. degrees, while four more are pursuing their Ph.D. programs.

SOL also releases a Bi-annual law journal. The latest issue of the NCU LAW REVIEW, VOL. 2, ISSUE 1 (January – June 2019) was published in August 2021, in which both National and International authors contributed their works on various contemporary areas of law.

Legal Aid Society

Clinical legal education is a progressive educational ideology and pedagogy often implemented through university programs. School of Law has incorporated clinical teaching methods through its vibrant and active Legal Aid Society, formed to promote learning by doing. Society, through Clinical Legal Education, provides an effective and sustainable solution to the glaring problem related to inaccessibility to justice among underprivileged sections of society. Student members actively organize 'Sabhas' and 'visits' to local communities and villages to organize interactive sessions to discuss legal issues and entitlement rights to further help them exercise their rights. The key projects of the School of Law's Legal Aid Society include Project: Unnati- श्रमिककल्याण and Project "सवेरा: Slum Upgradation.



VII Edition National Moot Court Competition



School of Law organized VII NCU National Moot Court Competition (NMCC) from 02nd-03rd September 2022 on a pressing issue of environmental law. This year's moot court competition theme was right to life and a clean and safe environment. The event was inaugurated by Hon'ble Chief Guest, Mr. Justice Manmohan Sarin, Retd. Chief Justice Jammu and Kashmir High Court. Justice Sarin appreciated SOL's efforts to highlight such a critical issue of present-day relevance.

The Moot Court Competition witnessed participation by 22 teams from Central and State Universities and National and Private Law Schools from across the country. Eminent dignitaries from the legal fraternity, Supreme Court lawyers, corporate officers, and academicians were invited to judge the various rounds that took place over the two days. Out of the 22 teams, eight qualified for the quarter-finals on the first day of the competition, and four qualified for the semi-final round and battled on the second day to reach the finals. The Final Round of the Competition was chaired by a bench comprising Mr. Shiv Sapra, Partner, DSK Legal, Mr. Prateek Sharma, Associate, S&R Associates, and Ms. Ananya Aggarwal, Principal Associate, Shardul Amarchand Mangaldas. Vivekananda Institute of Professional Studies, New Delhi, emerged as the competition winner and was awarded a trophy, certificate, and a cash prize of Rs 15,000, and Symbiosis Law School, Pune, was the Runners-up and was awarded a cash prize of Rs 10,000. The award for the Best Memorial of Rs 5,000 was bagged by RGNUL, Patiala; the Award for Best Female Mooter of Rs 5,000 was won by Vivekananda Institute of Professional Studies, New Delhi, and the Award for Best Male Mooter of Rs 5,000 was won by Symbiosis Law School, Pune.

MOU with Karat Law Academy

School of Law, The NorthCap University signed an MOU with Karat Law Academy on 29th August 2022 to provide the best platform for law students to pursue Judiciary as a career. The Academy will help and assist students in preparation for the judicial examination and provide scholarships to SOL students.



Centre for Languages Learning

The Centre for Language Learning offers courses on 'Effective Communication' and compulsory foreign languages, viz., German, Spanish, and French, to students across all three schools of the University. These courses help in enhancing their employability skills. Along with these courses, a compulsory skill-based course, 'Campus to Corporate,' is offered to add

value to students' learning. A value-based course, 'Human Values and Professional Ethics,' is offered to all Schools to inculcate moral values and ethics among students. The Centre is also offering a 'Ph.D. in English' since 2017, wherein students from India and abroad applied for enrollment.

English (Honors) Programme

The Centre is also running an English (Honours) Programme since the last year, 2021. This program has been helping students emerge with a sought-after skill set for careers in arts, publishing, and media. This program is also preparing students to develop an international perspective and bring them to par with English Literature students across the globe. They can connect with courses offered in the Liberal Studies program to create an integrated interdisciplinary education.

Induction Programme for new entrants-2022

CLL conducted communication Skills sessions during Induction Programme held in August and September 2022, as per the University guidelines for new entrants seeking admission in the first year. Eight sessions of one hour each were delivered to first-year students of all three Schools: School of Engineering & Technology, School of Management, and School of Law.



Communication Skills Session for newly Inducted Students

Guest Lecture on "Literary Writing, Creativity and Pedagogy" by Prof. Harish Narang

Centre for Language Learning, NCU, organized a special guest lecture delivered by Prof. Emeritus Harish Narang, on 14th October 2022. The topic of Prof. Narang's talk was "Literary Writing, Creativity and Pedagogy," which was attended by students and scholars of the department. In the hour-long lecture, the speaker discussed the vantage approach to literature and its ethical purpose in society. To ponder more on the topic, Prof. Narang discussed the relevance of ethics by talking about some famous literary artists and the politics and psychology behind creating great literature. The lecture concluded with curious questions and observations made by the students.

Faculty Upskilling and Achievements

CLL faculty has been actively engaged in Faculty Development Programmes, Workshops, Seminars, and Training to keep abreast with the upcoming trends in their field. Also, research scholars have presented papers at National and International Conferences and published research articles and book chapters. CLL faculty has also been engaged as session chair. Details of all these are given in Appendix.

Faculty at CLL was selected as a Primary Evaluator in the AICTE Toyathon held in June 2021, an Initiative of the Government of India. Evaluated two categories of projects: 'Socially relevant Projects and Games' and 'Games based on Indian Civilisation, History, and Culture.'

Two faculty members at the Centre received the Woman Achiever Award at the Global Summit for Women 2022, organized by Global Intellectual Forum, Rohtak, on 6th March 2022.

Faculty at the Centre also represented NCU as a Delegate in the 'India Education Summit 2022' organized by The Indian Express at Hyatt Regency, Delhi, on 6th April 2022. Attended Panel Discussions by prominent Educationists of the country, including Chairman AICTE, Chairman-UGC, Principals of schools, directors of Colleges, and Eminent Experts from all walks of life, and engaged in Q & A sessions.

One Week FDP on Capacity Building for Holistic Development

The Center for Languages and Learning and Department of Civil and Environmental Engineering at The NorthCap University organized a one-week FDP titled "Capacity Building for Holistic Development" from 12th July 2022 to 18th July 2022. The FDP was open to all the faculties and research scholars at NCU.



Centre for Professional Attachment and Alumni Engagement (CPAA)

Placements – Class of 2022

The Centre of Professional Attachment and Alumni Engagement (CPAA) ensures regular interface and dialogue with the industry for professional enrichment and better student job opportunities. CPAA is engaged in building and enriching the potential of each student and helps them plan their careers. CPAA nurtures students from induction to placement and acts as a bridge between a student and their first job. CPAA strives for the holistic development of students, making them industry-ready for a smooth transition from campus to corporate.

CPAA enhances students' employability through- improved industry internship attachment, culminating in placements, increased student ownership, career counseling, and gap analysis, obtaining higher and better job placements with a wider industry reach, and obtaining industry feedback for improving the curriculum. CPAA equips students with the right skills and attitude to become more effective, efficient, and productive in their employer's organization.

NCU has been associated with Youth4Works for assessing students starting from 1st BA to the final year to improve their proficiency in the following three broad areas.

- Communication Skill
- Aptitude
- Domain Area

The NorthCap University, Gurugram, continuously pursues excellence in Technical, Management & Law education by narrowing the gap between academia and industry.

Campus Placements, 2022

Job placements are arranged by inviting companies for an on-campus selection process and nominating students to prospective employers for their in-house selection process. The focus is on widening industry reach and getting better salary packages for our students. Efforts are made to reach out to many companies across all verticals and invite them to the campus to carry out their placement process. Currently, 250+ companies are recruiting from the University. CPAA's relentless efforts resulted in over 90% placements of eligible students from all three Schools – School of Engineering & Technology, School of Management, and School of Law, Class of 2022. Placements were achieved in premier companies like Deloitte, United Health Group-Optum, Ernst & Young, IBM, Fidelity, Real-Time Data Services, Protiviti, NCR Corporation, Nagarro, TCS, Capgemini, JCB India, NCML, Escorts, HSA Legal and Accenture, etc. Positive feedback from the previously employed students from the employer organizations resulted in these companies returning for campus placements with more inclusions each year.

Sr. No.	CAMPUS 2022	B.Tech CSE	B.Tech ECE	B.Tech ME	B.Tech Civil	B.Tech Total	M.Tech	MBA	BBA	B. COM	BA (ECO)	BA (PSY)	B.Sc Maths	B.Sc Phy.	LAW (BBA LLB)
1	Strength	225	27	26	7	285	10	35	158	93	25	16	16	12	89
2	Not eligible	17	2	1	1	21	1	8	7	13		3	2	1	6
3	Not applying due to family business OR higher studies	10	1	3		14		3	119	58	8	5	5	5	19
4	Eligible & interested in placement	198	24	22	6	250	9	24	32	22	17	8	9	6	64
5	Number of students placed	180	18	20	3	221	1	23	30	15	2	5	4	2	60
6	% PLACEMENTS	91%	75%	91%	50%	89%	12%	96%	94%	69%	12%	63%	45%	34%	94%

Some Leading Recruiters



Industrial Visits

Virtual Industrial Visit

School of Management and Liberal Studies, NCU, organized a virtual industrial visit to UL India, Pvt. Ltd., Gurugram, Haryana. It is a top player in Lab Testing for textiles in Gurgaon, Delhi. This well-known establishment acts as a one-stop destination, servicing customers locally and from other parts of Gurgaon, Delhi. UL Quality Assurance Pvt Ltd in Gurgaon, Delhi, is one of the leading Lab Testing for Textile businesses. SOM2021V002.

Field Visit/Industrial Interaction at Sanoh India Pvt. Ltd.

An industrial interaction and visit to Sanoh India Pvt. Ltd., Manesar plant was organized by Dr. Satnam Singh of the Mechanical Engineering department, The NorthCap University, on 19th April 2022. A three-member team of NCU consisting of Dr. Satnam Singh, Prof. Avtar Singh, and Dr. Akanksha Mathur, along with six students (4 ME + 2 CSE), visited the plant and interacted with the plant manager Mr. Amit Singh. Vice President Mr. Rajesh Maheshwari of Sanoh India Pvt. Ltd. Dr. Satnam Singh and Dr. Akanksha Mathur coordinated the event. (MED2022O006)

Industrial Visit to Regional Remote Sensing Centre – North, NRSC, ISRO, New Delhi



Department of Computer Science Engineering, The NorthCap University, Gurugram organized an Industrial Visit to Regional Remote Sensing Centre – North, NRSC, ISRO, New Delhi on February 28.02.2022. Dr. Poonam Chaudhary, Dr. Srishti Sharma, and a team of 9 students from the CSE department of The NorthCap University visited this center. The objective of the visit was knowledge sharing, i.e., apprising the students about the latest research trends in space technology and remote sensing. This visit comprised a tour of their in-house exhibition and an expert lecture on ISRO activities. This interaction with scientists of the Regional Remote Sensing Centre – North, NRSC, ISRO, New Delhi is a stepping stone for project work opportunities for B.Tech students at their center in the coming times.

Industrial visit to "Pusa Krishi Vigyan Mela 2022, New Delhi."

Department of Computer Science Engineering, The NorthCap University, Gurugram, organized an Industrial Visit to "Pusa Krishi Vigyan Mela 2022, New Delhi" on 10th March 2022. Dr. Poonam Chaudhary, Dr. Srishti Sharma, and Dr. Meghna Sharma, along with a team of 54 students from the CSE, visited this center. The objective of the visit was knowledge sharing, i.e., appraising the students about the latest research trends in the Indian agriculture field. Pusa Krishi Vigyan Mela 2022, organized by ICAR-IARI, New Delhi, includes

agricultural practices adopted by Government and Private Organizations across the country. Students were made aware of the new and latest agricultural technological developments. This visit aimed to encourage students to understand the farmer's problems and work on agriculture-related projects, using Artificial Intelligence and Machine Learning technologies to support the farmer community by providing better technological solutions. The exhibition also had a section on Agro-Startups which can give new opportunities to our young entrepreneurs.

Industrial Visit to XR Central

The Department of CSE organized an Industrial Visit to XR Central at their Gurugram-based Gaming AR/VR Studio. On 5th April 2022 at MM Tower, Udyog Vihar, Sector 18, Gurugram, Haryana 122002, India. The objective of this visit was to make students learn the production process used by XR Central studio in gaming AR/VR to develop products that are aimed to transform the way learning happens in the classroom. Gaming AR/VR enhances students' mental and physical agility by transforming the textbooks into real-world scenarios.

Industrial Visit to Ministry of Electronics and Information Technology (MeitY)

The Department of Computer Science and Engineering organized an Industrial Visit to the Centre for e-Governance (CeG), Ministry of Electronics and Information Technology (MeitY), Delhi on 28th April 2022, which 25 students from the department attended. During the visit, Mr. Sunil Kumar, the PTO of MeitY, enlightened the students about e-Governance, its structural hierarchy, and its mission. He explained that the objective of MeitY is to showcase the best practices of e-Governance. He demonstrated various online applications currently running successfully, like PARICHAY and E-OFFICE. It was a very interactive session. Students enthusiastically participated in a discussion on designing new applications. They also learned that MeitY, with other ministries, is working on improving the current facilities like Universal Broadband, E-Kranti, Digital Empowerment, and many others. The session was concluded with a quiz, and the top 3 winners were also awarded. Overall, it was a new and enlightening experience for the students. Students learned many new things and got project ideas to work on. Dr. Shilpa Mahajan and Dr. Mehak Khurana coordinated the visit.

Industrial visit to The Surajkund Mela, Faridabad

An industrial visit to The Suraj Kund Mela, Faridabad, was organized by CSE Department for B.Tech and BCA 1st year students on 1st-April'22. From this visit, students got motivated and learned many relevant skills such as entrepreneurship, job-oriented, and marketing skills which are very important these days and can aid them while promoting their ideas, ventures, and businesses. Students also learned how to handle customer or client-related concerns or issues. This event brought students closer to the world of entrepreneurship and exposure to customer-related problems. The faculty coordinators for this visit were Dr. Anvesha Katti and Ms. Gurjapna Anand.

Industrial Visit to Bhakra-Nangal and trekking expedition at Dharamshala-Mcleodganj, HP

Department of Civil & Environmental Engineering, in collaboration with the Department of Mechanical Engineering, The NorthCap University- Gurugram, organized an Industrial Visit to Bhakra-Nangal Dam- a marvel in Engineering from 6th – 10th April 2022 for Civil 3rd & 4th year and Mechanical 3rd-year students. Twenty-five students and Dr. Rohit Singh Lather, HOD-Mechanical, Mr. Lokesh Choudhary, Faculty-Civil, and Mr. Rajpal Singh, Technical staff, visited the site.

Surveying Camp on "Mapping with Total Station and Theodolite" at Mcleodganj, HP

Department of Civil & Environmental Engineering organized a Field Trip/ Surveying Camp to Mcleodganj, Himachal Pradesh, on "Mapping with Total Station and Theodolite" for the Third & Final year students from 6th April 2022 to 10th April 2022. The camp focused on the practical application of Total Station and Theodolite and their usage, which are the most commonly used equipment nowadays for mapping & plotting. The field trip included concepts of Levelling, Centering, Contouring, and Measurement of horizontal and vertical angles on the site. Mr. Lokesh Choudhary coordinated the visit.

Industrial Visit to ISRO

CSE Department organized an Industrial Visit for 18 students to Regional Remote Sensing Centre (RRSC) – Central, Indian Space Research Organization Dept. of Space, Govt. on 9th September 2022 from 2:00 pm to 4:00 pm. Dr. Rita Chhikara and Dr. Shilpa Mahajan coordinated the visit.

Industrial Visit to Cyber Crime Police Station

BBA LLB students were taken for an industrial visit to the Cyber Crime Police Station, Gurugram- the first dedicated cyber crime police station- in Haryana. Assistant Commissioner of police Mr. Priyanshu Dewan delivered an enriching lecture on new menaces of cyber-crimes and potential solutions. The students interacted with SHO Bijender Singh, who oversees the police station. To effectively investigate cyber crimes that have been on the rise in the city, the police station has procured a sophisticated machine for analyzing data obtained from mobiles, phones, laptops, and computers in the digital forensics laboratory set up in the station. A demonstration was given to the students about the identification, collection, preservation, and analysis of digital forensic evidence. Mr. Singh explained the complaint mechanism with the help of various case studies.

Industrial Visit to Yakult Danone India

School of Management & Liberal Studies organized a one-day industrial visit to Yakult Danone India Pvt. Ltd on 15th September 2022. 45 B. Com (H) students (III Semester & V Semester) attended this visit. The company's operational head described each stage of the manufacturing process to the students through the company tour. Dr. Deerga Sharma and Dr. Preeti Chawla, under the mentorship of Prof. Vikas Nath, Director of the School of Management & Liberal Studies, coordinated the event.

Industrial Visit to Mother's Dairy

School of Management & Liberal Studies organized a one-day industrial visit to Mothers Dairy on 7th November 2022. 42 BBBA students (III Semester) attended this visit. The company's operational head described each stage of the manufacturing process to the students through the company tour. The tour started with general introductory guidelines for visitors, followed by a factory visit – observing the unique production process and other steps, including filtration, clarification, pasteurization, chilling, filling, packing, and storage for the liquid milk category. Dr. Ashima Saxena and Dr. Preeti Chawla, under the mentorship of Prof. Vikas Nath, Director of the School of Management & Liberal Studies, coordinated the event.

Industrial Visit to ISRO

CSE Department organized an Industrial Visit for 18 students to Regional Remote Sensing Centre (RRSC) – Central, Indian Space Research Organization Dept. of Space, Govt. on 9th September 2022. Dr. Rita Chhikara and Dr. Shilpa Mahajan coordinated the visit.

Industrial visit to Hero Motor Road Safety Park-2022

An industrial visit was arranged to 'Hero Motor Corp Road Safety Park' under the aegis of the SAE and Alumni Club conducted in physical mode on 11th July 2022. Mr. Sudhanshu Singh was the resource person who provided valuable technical guidelines and safety instructions for 2-wheeler bikes. Dr. Roshan Raman and Mr. Anmol Bhatia coordinated the event. (MED2022V001)

Industrial Visit to PPS International, Greater Noida

Department of Electrical, Electronics, and Communication Engineering (EECE) organized an Industrial Visit to PPS International for B.Tech ECE 5th, ME 5th, and CSE 3rd semester students on 14th October 2022. PPS International Industry manufactures high tech. The Rail industry components include connectors, cable harnesses, power contactors, loco earthing equipment, panels, switchgear parts, Passenger information display system, CCTV, PCB designing, CNC shop machines, power pressing, injection molding, etc. Prof. Anjali Garg and Prof. Manoj Kumar Gopaliya coordinated the event.

Ph.D Programme

Number of Students	Name of the Department	Broad Areas
03	Mechanical Engineering	Thermo-Fluid Engineering, Industrial Engineering, Production Engineering, Mechanical Engineering Design, Waste management, Refrigeration and Air conditioning
04	Civil And Environmental Engineering	Geotechnical Engineering, Structural Engineering, Water Resources, Environmental Engineering,
30	Electrical, Electronics And Communication Engineering	Wireless Communication, Signal, Speech and Image Processing, VLSI and Semiconductor devices, Power System, Renewable Energy, Control System, Biomedical Electronics
39	CSE	AI, Machine Learning, Big Data Analytics, Information Security, Cyber security, Optimization, Computer Networks, Sensor Networks, Digital Forensics, Malware Analysis and Reverse Engineering, Image Processing, soft computing, Information Retrieval, Natural Language Processing, Wireless Sensor networks, Computer Vision, Deep Learning, Bioinformatics, Evolutionary Algorithms Optimization, Mobile Networks
30	Applied Sciences	<p>PHYSICS: Condensed matter physics (glasses), Optical image processing, Thin Films; Amorphous Semiconductors, Thin film solar cells, Polymer, Nanocomposites, Nanomaterials, Solar cells, Lasers and Non-linear optics Nanomaterials and piezoelectric devices, Digital Holography, Supercapacitors, Organic Semiconductor device</p> <p>Chemistry: Nano-chemistry, Organic Chemistry, Environmental Chemistry, Biochemistry, Biophysical Chemistry, Biosensors, Electrochemistry, Lateral flow assay, Bio Physical Thermodynamics studies</p> <p>Maths: Image Processing, Queueing Theory, Data Analytics, Graph Theory and Discrete Maths, Coding Theory, Approximation Theory, Operations Research, Applied Mathematics, Differential Equations, Control theory, Computational Fluid Dynamics, Numerical and analytical solutions of nonlinear partial, differential equations with applications in shock waves</p>
06	Centre For Languages Learning (CLL)	American Literature, Canadian Literature, British Literature, Indian Writing in English, Feminist Writing
26	School Of Management & Liberal Studies	Finance, Economic, Marketing, HRM, Operations
13	School Of Law	Human Rights Law, International Law, Environmental Law, Constitutional Law, Personal Laws, Criminal Laws, Intellectual Property Rights (IPR) Laws, International Trade Law, Corporate Law, Commercial Dispute Settlement Law, Technology Law

With NCU, Total - 151 doctoral students are currently registered to carry out their doctoral dissertation research work: SOET – 112, SOL - 13, SOM & LS - 26. Nine students have submitted Ph.D. Thesis, and four have offered their Ph.D. synopsis during the year.

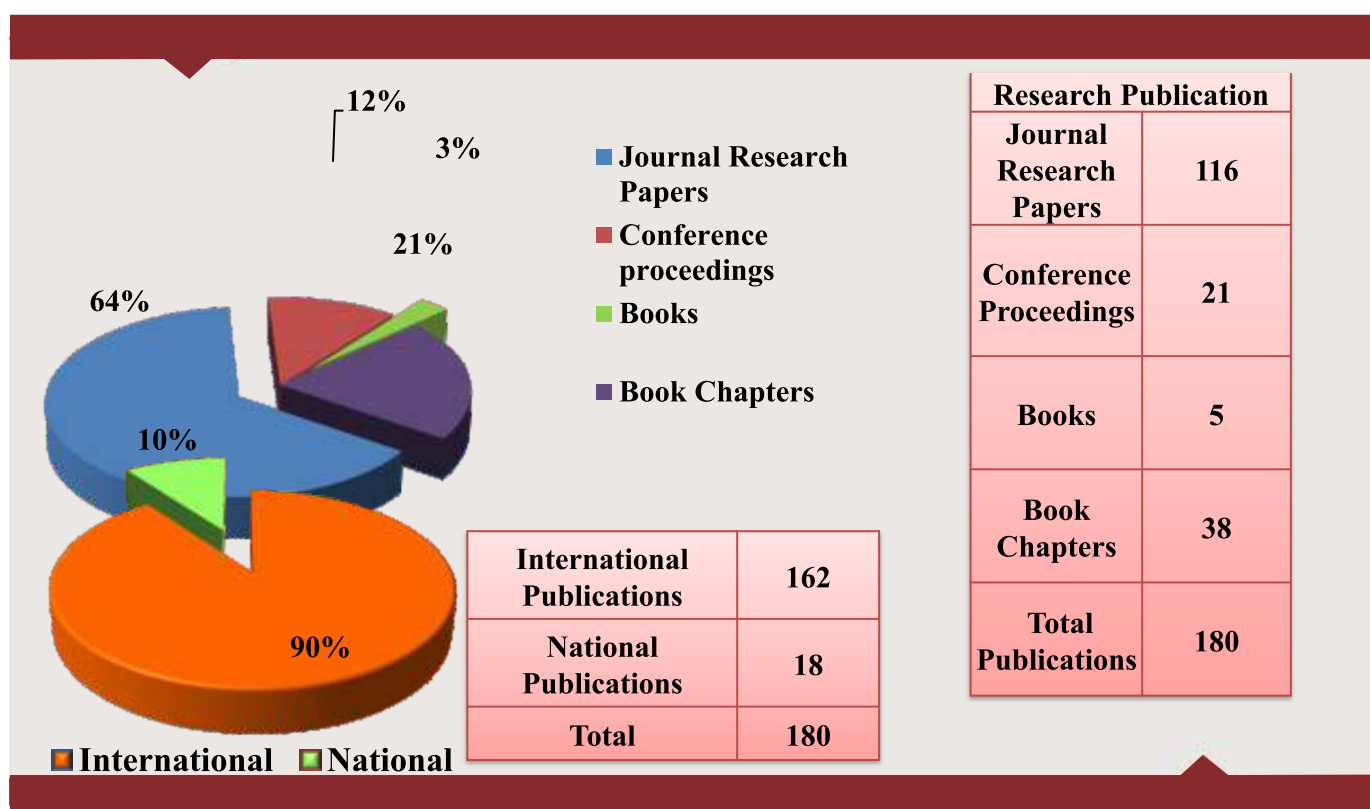
Ph.D Awardees (Current List)

Sr. No.	Name of the Scholar	Department / School	Topic
1.	Prachi	EECE	TRAFFIC SIGN DETECTION AND RECOGNITION THROUGH FPGA APPROACH AND DEEP LEARNING
2.	Vasundhra	SOL	FOSTER CARE IN INDIA AND ITS FUTURE PROSPECTS: A SOCIO-LEGAL ANALYSIS
3.	Shivani Yadav	APS	DEVELOPING AN ASYMMETRIC CRYPTOSYSTEM USING HYBRID PHASE MASKS AND TRANSFORMS TO SECURE IMAGE ENCIPHERING
4.	Narottam	ME	CONTINUOUS IMPROVEMENT IN MANUFACTURING INDUSTRY THROUGH LEAN SIX SIGMA
5.	Naveen Kumar	ME	ANALYSIS OF SUSTAINABLE LEAN MANUFACTURING IMPLEMENTATION IN INDIAN AUTOMOBILE INDUSTRIES
6.	Anshula	CSE	OPTICAL IMAGE CRYPTOSYSTEM USING VARIOUS STRUCTURE PHASE MASKS AND SELECTED MATHEMATICAL TRANSFORMS FOR SECURING INFORMATION
7.	Khushbu Gupta	APS	FUNGAL MEDIATED SYNTHESIS OF NANOMATERIALS TO EXPLORE THEIR PHYSICAL, CATALYTIC AND BIOLOGICAL APPLICATIONS
8.	Priyanka Maan	CSE	ENHANCED CRYPTOSYSTEMS EMPLOYING HYBRID TECHNIQUES USING VARIOUS COMPLEX PHASE MASKS TO SECURE INFORMATION
9.	Dharmendra Kumar Srivastava	CIVIL	FORENSIC GEOTECHNICAL STUDY OF TRANSPORTATION INFRASTRUCTURE FAILURES
10.	Hansikaa Chauhan	SOL	SPECTRUM MANAGEMENT IN THE WIRELESS CELLULAR (MOBILE) COMMUNICATIONS IN INDIA: LEGAL ISSUES AND CHALLENGES
11.	Akhil Mahajan	APS	ROLE OF THE METAL CATALYST FOR THE SYNTHESIS OF PHARMACOLOGICALLY IMPORTANT QUINOLINE SUBSTRATE AND THEIR BIOLOGICAL IMPORTANCE
12.	Rajat Gupta	EECE	PERFORMANCE ANALYSIS & ENHANCEMENT TECHNIQUES FOR OPTICAL DATACENTER NETWORKS
13.	Priyanka Rastogi	CSE	MEDICAL IMAGE ANALYSIS FOR CANCER DIAGNOSIS USING DEEP LEARNING
14.	Nitin Gupta	SOM	MODELLING AND ANALYSIS OF THE IMPACT OF PEOPLE QUALITY ON THE QUALITY OF SERVICE
15.	Jyoti Dabass	EECE	EARLY DETECTION OF BREAST CANCER USING COMPUTATIONAL INTELLIGENCE METHODS
16.	Anshul Vats	EECE	SYSTEM MODELLING AND PERFORMANCE EVALUATION OF HYBRID OPTICAL WIRELESS COMMUNICATION NETWORKS
17.	Deepika Bansal	CSE	DESIGN OF DEMENTIA DETECTION TECHNIQUES USING MACHINE LEARNING

Publications, Research and Development

November 2021 – October 2022

S.no	Department	Total no. of Publications	Book/Book Chapter	Journal	Conference Proceedings
			National/International	National/International	National/International
1.	Applied Science	35	2	28	5
2.	CSE Eng.	50	16	28	6
3.	Mech Eng.	9	5	1	3
4.	ECE Eng.	32	3	25	4
5.	Civil Eng.	8	1	6	1
6.	SOM	26	7	19	0
7.	SOL	7	4	2	1
8.	CLL	13	5	7	1



Research and Development

Sponsored Research Projects (November 2021 – October 2022)

S.No	PI & Department	Project Title	Scheme	Duration (yrs)	Date of Sanction	Total Funds received (Rs. Lakhs)	Status
1.	Dr. Kavita Khanna Co-PI: Dr. Rita Chhikara (CSE) and Dr. Rakesh Kumar Dua (Max Hospital shalimar bagh)	Detecting Dementia using Deep Neural Networks	DST (CSRI)	3	28.06.2018	₹ 14.10	Completed
2.	Dr Anjali Garg (ECE) Mentor: Prof. B.K Das	Power generation and control of solar energy	DST (WOSA)	3	11.03.2019	₹ 15.98	Completed
3.	Dr. Manjula Batra (SOL)	'The Plight of Migrant Labourers during the COVID-19 Pandemic in Delhi: A Socio-Legal Study	Indian Council of Social Science Research (ICSSR)	9 Months	01.03.2021	₹ 1.35	Ongoing
4.	Prof. Rita Chhikara (CSE)	Visvesvaraya PhD Scheme for Electronics and IT : Phase-II	Visvesvaraya PhD Scheme	5	14.09.2022	₹ 0.0	Approved
Total in Lakhs						₹ 31.43	

- During the reporting year, Two DST projects worth Rs 30.08 Lakh has been completed. Two research projects for a total amount of Rs 75.61 Lakhs have been sanctioned by funding agency and Rs 1.35 Lakhs has been received till date. In addition to these, 13 research projects have been submitted to various funding agencies.
- Our faculty members have been actively participating in national and international conferences and seminars in India during the year. As a result, 116 journal papers have been published in refereed journals (from November 2021 to October 2022). Year 2022 has been a productive year for books, book chapters and journal publications by the faculty, the details of which are placed at 'Appendix – C' for reference.

Consultancy Details

Following Consultancy projects were undertaken by university in aforesaid period.

S.No	Details of the Consultancy	Title of Consultancy	Name of Faculty and Dept.	Number of consultancy	Amount Received (Rs/-)
1.	DOJ (Department of Justice)	Pro Bono Legal Service Under Nyaya Bandhu	Ms. Unanza Gulzar (SOL)	1	1,00,000
2.	NTRO (National Technical Research Organization)	Development of Machine Learning based approach for efficient Android Malware Detection and Reverse Engineering	Dr. Kavita Khanna and Dr. Prachi (CSE)	1	8,12,331
Total					9,12,331

Degree Holders List

Disciplines (UG and PG)	Total Strength	First Class	First Class with Distinction	PG Diploma	Second Class	Grand Total
B. Tech.-CSE	230	179	33		17	229
B. Tech.-CV	6	5	1			6
B. Tech.-ECE	27	25	1		1	27
B. Tech.-ME	26	22	3		1	26
B.COM. (HONS)	96	72	8		9	89
B.Sc. (H) - Mathematics	17	12	2		3	17
B.Sc. (H) -Physics	12	6	2		1	9
BA(ECO)	25	18	2		2	22
BA(PSY.)	16	10	2		1	13
BBA	162	92	14		14	120
BBA-LLB	90	60	13		17	90
LLM	22	15	2		1	18
M.TECH.-CIVIL(FT)	7	4	3			7
M.TECH.-CIVIL(PT)	4	2	2			4
M.TECH.-CSE(FT)	4	3	1			4
M.TECH.-ECE(FT)	1			1		1
MBA	35	32	1		1	34
PH.D						14
% (91.8%)	780	557	90	1	68	730

Annexure A: FDPs Organised

FDPs Organised					
Sr. No.	Title of the FDP	Department	Program Start Date	Program End Date	Name of the speakers/experts
1	Machine Learning	CSE	01-08-2022	01-08-2022	Dr. Nitin Malik, Dr. Rita Chhikara, Dr. Srishti Sharma, Dr. Vidhi Khanduja, Dr. Meghna Sharma
2	Capacity Building for Holistic Development	CEE + CLL	12 July 2022	18 July 2022	Dr. Vaishali Sahu, Dr. Aman Garg, Dr. Divyabha Vashisth, BrahmaKumaris, Ms. Tulika Mahapatra, Mr. Ram Upadhyay, Mr. Pramod Kumar, Mr. Lokesh Choudhary
3	Faculty Development Programme on "Managerial Research through Multivariate Techniques using SPSS and AMOS"	SOM&LS	22 August 2022	27 August 2022	Dr. Ajay Chauhan

Annexure B: Faculty Outreach & Achievements

Faculty Outreach and Achievements						
Sr. No.	Name of the Award/Program	Awarding Agency Name	Type of Award (National/InterNational)	Name of faculty	Designation	Department
1	Certificate, Toycathon 2021- Primary Evaluator	Ministry of Education, AICTE	National	Dr. Sujata	Assistant Professor - Selection Grade	CSE
2	SIH-2022- Evaluator	Ministry of Education, AICTE	National	Dr. Sujata	Assistant Professor - Selection Grade	CSE
3	Certificate, Toycathon 2021- Primary Evaluator	Ministry of Education, AICTE	National	Dr. Poonam Choudhary	Assistant Professor - Selection Grade	CSE
4	SIH-2022- Evaluator ,	Ministry of Education, AICTE	National	Dr. Poonam Choudhary	Assistant Professor - Selection Grade	CSE
5	Certificate, Toycathon 2021- Primary Evaluator	Ministry of Education, AICTE	National	Prof. (Dr.) Rita Chhikara	Professor	CSE
6	Session chair, ICCET 2022	Dr Babasaheb Ambedkar University, Lonere	National	Dr. Srishti	Assistant Professor - Selection Grade	CSE

7	Research Advisor, shoofly, vDoIT, Pvt technologies	vDoIT, Pvt. Technologies	InterNational	Dr Sujata	Assistant Professor - Selection Grade	CSE
8	Manthan 2021,	AICTE, Ministry of education	National	Dr. Poonam Choudhary	Assistant Professor - Selection Grade	CSE
9	QS IGAUGE,RISE, Delhi NCR , Redefining Institutional Strategy for Excellence - R.I.S.E. Delhi-NCR Edition		National	Prof.Rekha Vij	Professor	CSE
10	Appreciation Certificate	Bhaskaracharya College of Applied Sciences, University of Delhi	National	Dr Sujata	Assistant Professor - Selection Grade	CSE
11	Honorarium , National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National	Dr. Sujata	Assistant Professor - Selection Grade	CSE
12	Honorarium , National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National	Dr. Poonam Choudhary	Assistant Professor - Selection Grade	CSE
13	Honorarium , National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National	Dr. Meghna Sharma	Assistant Professor - Selection Grade	CSE
14	Honorarium , National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National	Dr. Nitin Malik	Associate Professor	CSE
15	Honorarium , National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National	Dr. Ashwini Rahangdale	Assistant Professor - Selection Grade	CSE
16	Honorarium , National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National Power Training Institute (Ministry of Power, Govt. of India), Bengaluru	National	Dr. Pankaj Aggarwal	Professor	CSE

17	Outstanding Scientist Award, InterNational Research Award on Science, Technology and Management VDGGOOD Professional Association	INSO, Chennai, India	National	Prof. Rita Chhikara	Professor	CSE
18	Session Chair	Jaypee University of Information Technology	InterNational	Dr Shaveta Arora	Associate Professor	CSE
19	Session Chair	Jaypee University of Information Technology	InterNational	Dr. Rekha Vig	Professor	CSE
20	TPC member WCI-2022-CSI'22-IEEE, TPC Member	Kerala University of Digital Sciences, Innovation and Technology (KUDSIT), also known as Digital University Kerala (DUK).	InterNational	Dr. Sujata	Assistant Professor	CSE
21	Session Chair, 3rd InterNational Conference on Information Management & Machine Intelligence (ICIMMI-2021)	Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India	InterNational	Prof(Dr) Rita Chhikara	Professor	CSE
22	Session Chair, 3rd InterNational Conference on Information Management & Machine Intelligence (ICIMMI-2021)	Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India	InterNational	Dr. Poonam Choudhary	Assistant Professor	CSE
23	Reviewer, Second InterNational Conference on Computer Science, Engineering and Applications (ICCSEA)-IEEE	Department of Computer Science and Engineering, GIET University, Gunupur-765022, Odisha	InterNational	Dr. Sujata	Assistant Professor	CSE
24	Session Chair, 3rd InterNational Conference on Information Management & Machine Intelligence (ICIMMI-2021)	Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India	InterNational	Dr. Shilpa Mahajan	Associate Professor	CSE

25	Session Chair, 3rd InterNational Conference on Information Management & Machine Intelligence (ICIMMI-2021)	Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India	InterNational	Dr. Mehak Khurana	Assistant Professor	CSE
26	Editor- Intelligent Healthcare, Springer	Springer	InterNational	Prof(Dr) Rita Chhikara	Professor	CSE
27	Editor- Intelligent Healthcare, Springer	Springer	InterNational	Dr. Poonam Choudhary	Assistant Professor	CSE
28	Editor, Internet of Healthcare Things- Machine Learning for Security and Privacy	Wiley Publications	InterNational	Dr. Yogita Gigras	Assistant Professor	CSE
29	Resource Person in FDP held at ABES college, India	ABES Engineering College, Gaziabad, Uttar Pradesh, India	National	Dr Sujata	Assistant Professor	CSE
30	Reviewer, Journal of Scheduling, Journal of SuperComputing	Springer Nature	InterNational	Swati Gupta	Assistant Professor	CSE
31	Reviewer, IET Image Processing, Journal	Institution of Engineering and Technology	InterNational	Dr Shaveta Arora	Associate Professor	CSE
32	TPC Member, 2021 3rd InterNational Conference on Soft Computing and its Engineering Applications (icSoftComp2021)	Smt. Chandaben Mohanbhai Patel Institute of Computer Applications, Charotar University of Science & Technology (CHARUSAT), Changa, India	InterNational	Dr. Kavita Khanna	Professor	CSE
33	Session Chair, InterNational Conference on Computational Performance Evaluation (IEEE) -ID 53109	Department of Biomedical engineering, NEHU, Meghalya	InterNational	Dr. Anvesha Katti	Assistant Professor	CSE
34	Jury Member for SPEED 2022 : 6th Student Project Exhibition on Engineering Design	GD Goenka University	InterNational	Dr. Sujata	Assistant Professor	CSE

35	Jury member on Mind Binders, Project Contest & Exhibition	K R Mangalam University	National	Dr. Sujata	Assistant Professor	CSE
36	Jury member on Mind Binders, Project Contest & Exhibition	K R Mangalam University	National	Ms Ruchika Lalit	Assistant Professor	CSE
37	reviewer in from InterNational Journal of Digital Crime and Forensics (IJDCF)	IGI Global	InterNational	Dr. Shilpa Mahajan	Associate Professor	CSE
38	IEEE Outstanding Branch Counselor Award 2022	IEEE MGA SAC (InterNational)	InterNational	Dr. Srishti	Assistant Professor	CSE
39	Best Faculty Award 2022 (Best Teacher)	The NorthCap University	National	Dr. Srishti	Assistant Professor	CSE
40	Mentor of winning team SIH 2022	Govt of India	National	Dr. Prachi	Associate Professor	CSE
41	Mentor of winning team SIH 2022	Govt of India	National	Ms. Kanika Gupta	Assistant Professor	CSE
42	Best Faculty Award 2022 (Best Teacher)	The NorthCap University	National	Dr. Poonam Choudhary	Assistant Professor	CSE
43	Best Researcher Award 2022	The NorthCap University	National	Prof. (Dr.) Rita Chhikara	Professor	CSE
44	Mentor of winning team SPEED 2022	GD Goenka University	InterNational	Dr. Sujata	Assistant Professor	CSE
45	Mentor of Winning Team-MinBinders	K R Mangalam University	National	Dr. Sujata	Assistant Professor	CSE
46	Resource person- Best practices session on use of ASU content repository	Cintana Alliance	InterNational	Dr. Srishti	Assistant Professor - Selection Grade	CSE
47	TPC member- ICETCI 2022	Mahindra University, Hyderabad	National	Dr. Srishti	Assistant Professor - Selection Grade	CSE
48	Reviewer in South asian Journal of Business studies and Journal of Information Technology Project Management	Eemrald Publishing and IGI global respectively	National	Dr. Purwa Srivastava	Assistant Professor	SOMLS
49	Young Researcher Award 2022	Institute of Scholars certified and registered under Ministry of MSME & Corporate Affairs, Govt. of India	National	Dr. Deependra Singh	Assistant Professor	SOMLS

50	Chaired session at The Seventh InterNational BAKEA Symposium Home 15-17 September 2021	Pamukkale University, Kinikli Campus, Denizli, Turkey jointly organized by the Departments of English, French and German Languages and Literatures	InterNational	Dr Divyabha	Asst. Prof.	CLL
51	Chaired session at the InterNational Interdisciplinary Conference on Representation of Violence in Literature, Culture & Arts	Department of English Language & Literature, Osmaniye Korkut Ata University, turkey from October 20-22, 2021	InterNational	Dr Divyabha	Asst. Prof.	CLL
52	Chaired session at the 8th JGU InterNational Literary Conference held on July 18-20, 2022	English Literary Society of O.P. Jindal Global University, Sonipat, India. The theme of the conference was "India in the Literary Imaginary"	InterNational	Dr Divyabha	Asst. Prof.	CLL
53	Conducted training on Team Building, Body Language and advance Communication Skills at Showa Denko Pvt Ltd on 10 September 2022 and 18 February 2022.		National	Dr Divyabha	Asst. Prof.	CLL
54	Received Women Achiever's Award on 6th March 2022 at Rohtak	Global Intellectual Forum	National	Dr Divyabha	Asst. Prof.	CLL
56	Session Chair- InterNational Conference on Commonwealth Literature Education and Social Sciences held on 25-26 February 2022 at Mohamed Sathak College of Arts and	Mohamed Sathak College of Arts and Science, Chennai.	InterNational	Dr Shrutimita Mehta	Asst. Prof.	CLL

57	Session Chair- InterNational Conference on Commonwealth Literature- Comprehensive and Critical Perspectives held on 18-19 March 2022 at Sri Ramakrishna College of Arts and Science for Women, Coimbatore, Tamil Nadu.	Sri Ramakrishna College of Arts and Science for Women, Coimbatore, Tamil Nadu	InterNational	Dr Shrutimita Mehta	Asst. Prof	CLL
58	Session Chair - InterNational Conference on Language Literature and Linguistics held on 20-21 May 2022 at Kandaswani Kandar's College, Periyar University, Tamil Nadu.	Kandaswani Kandar's College, Periyar University, Tamil Nadu.	InterNational	Dr Shrutimita Mehta	Asst. Prof	CLL
59	Awarded Woman Achiever Award by Global Intellectual Forum, Rohtak on 6 March, 2022	Global Intellectual Forum, Rohtak	National	Dr Shrutimita Mehta	Asst. Prof.	CLL
60	Primary Evaluator- Toycathon 2021- Certificate	Ministry of Education, AICTE	National	Dr Shrutimita Mehta	Asst. Prof	CLL
61	Session Chair- InterNational Conference on American Literature held on 8-9 October 2022 at Nesamony Memorial Christian College, Kanyakumari, Tamil Nadu	Nesamony Memorial Christian College, Kanyakumari, Tamil Nadu	InterNational	Dr Shrutimita Mehta	Asst. Prof	CLL
62	Dr. Akanksha Mathur and Dr. Satnam Singh were invited to deliver expert lectures in an online Webinar Series "Waste to Energy: Prospective and Challenge" at Department of Mechanical Engineering, Institut Sains & Teknologi Akprind, Indonesia, Yogyakarta from 26th - 27th August 2021.	Department of Mechanical Engineering, Institut Sains & Teknologi Akprind, Indonesia, Yogyakarta	InterNational	Dr. Akanksha Mathur and Dr. Satnam Singh	Asst. Prof.	ME

63	Chaired a session in 2nd InterNational Conference on Trends in Science, Engineering & Management (ICTSEM'21) organized by Gulzar Group of Institutions, Ludhiana on 18th September 2021.	Gulzar Group of Institutions, Ludhiana	InterNational	Dr. Satnam Singh	Asst. Prof	ME
64	Awarded for exceptional contribution as Mentor in Smart India Hackathon 2022	Ministry of education and Ministry of Innovation cell	National	Dr. Pooja Sabherwal	Asst Prof	EECE
65	Awarded as Innovation Ambassdor	MoE Innovation Cell & AICTE	National	Dr. Pooja Sabherwal	Asst Prof	EECE
66	Awarded as Mentor Innovation Ambassdor	MoE Innovation Cell & AICTE	National	Dr. Pooja Sabherwal	Asst Prof	EECE
67	Guest of Honour of FESTRONIC 2.0 (technical fest)	LLYOD, Noida	National	Prof. Anjali Garg	Professor	EECE
68	Jury Member of Sustainability Carnival (Technical Fest)	IILM, Noida	National	Prof. Anjali Garg	Professor	EECE
69	Best Paper Award	J.C. Bose, YMCA, Faridabad	InterNational	Prof. Anjali Garg	Professor	EECE

Annexure C: Seminar/Workshops/FDP/Conference attended by faculty

Seminars/Workshops/FDP/Conference attended by faculty				
Sr No	Faculty Name	Department	Program Type (Workshop/Training/Seminar/FDP)	Title of Program
1	Neeti Kashyap	CSE	FDP	Bio-Inspired Algorithms and Optimization Techniques for Emerging
2	Prerna Singhal	CSE	FDP	Recent advances in AI, ML and soft computing
3	Dr.Vidhi Khanduja	CSE	FDP	Recent advances in AI, ML and soft computing
4	Dr.Srishti	CSE	FDP	Design Thinking-A Primer
5	Dr.Srishti	CSE	FDP	Business Analytics for Management Decision
6	Anvesha Katti	CSE	FDP	Unleashing Research Potential: Global Trends and Practices
7	Anvesha Katti	CSE	FDP	Natural Language Processing and It's Applications
8	Dr.Srishti	CSE	FDP	Understanding & Visualizing Data with Python
9	Sumit Kumar	CSE	FDP	Blockchain Technology & its Applications
10	Gurjapna Anand	CSE	Online Course	Block Chain Basics
11	Gurjapna Anand	CSE	Online Course	Block Chain Process
12	SWATI GUPTA	CSE	Online Course	Decision Trees, Random Forests, Bagging & XGBoost: R Studio
13	Dr. Prachi	CSE	FDP	Malware Analysis with Data Science
14	Dr. Nishi Gupta	CSE	Online Course	Introduction to probability
15	Swati Gupta	CSE	Online Course	Data Structure & Algorithms in Java for Intermediate Level
16	Swati Gupta	CSE	Online Course	Adobe Photoshop CC- Basic Photoshop training
17	Anvesha Katti	CSE	Online Course	Cloud Foundations
18	Sumit Kumar	CSE	FDP	Malware Analysis with Data Science
19	Sumit Kumar	CSE	FDP	Research Proposal Writing
20	Dr. Anuradha	CSE	FDP	"IoT Induced Artificial Intelligence for Emerging Computing Paradigms
21	Dr. Anuradha	CSE	FDP	Recent Trends and Advances in Machine Learning

22	Ms. Monika Lamba	CSE	FDP	Holistic Development and Capacity Building
23	Ms. Monika Lamba	CSE	FDP	Recent Trends and Advances in Machine Learning
24	Ms. Monika Lamba	CSE	FDP	IOT Induced Artificial Intelligence for Emerging Computing Paradigms
25	Ms. Monika Lamba	CSE	FDP	Cyber Security: Managing Risk in the Information Age
26	Ms. Swati Gupta	CSE	FDP	Recent Trends and Advances in Machine Learning
27	Ms. Swati Gupta	CSE	FDP	IOT Induced Artificial Intelligence for Emerging Computing Paradigms
28	Ms Ruchika Lalit	CSE	Online Course	Data Structures and Algorithms in Java for Intermediate Level
29	Dr. Nidhi Malik	CSE	FDP	Women Entrepreneurship Development Program
30	Dr.Purwa Srivastava	SOMLS	FDP	Workshop on multivariate ARCH /GARCH
31	Dr.Purwa Srivastava	SOMLS	FDP	Research Proposal writing
32	Dr Akasha sandhu	SOMLS	FDP	Research Proposal writing
33	Minakshi Sehrawat	SOMLS	FDP	Universal Human Values II
34	Dr. Deependra Singh	SOMLS	FDP	NPTEL Online Certification - Product and Brand Management
35	Himangshu Rathee	SOL	Seminar	National Seminar on Assessing India's Performance as a Parliamentary Democracy organized by NLU Jodhpur on
36	Himangshu Rathee	SOL	Conference	International Conference on Women and Abusive Relationship: Challenges on path to SDG 2030 by Vishwakarma University
37	Himangshu Rathee	SOL	Symposium	Global Symposium on Labour and Employment Laws, 2022 organized by NLIU, Bhopal and NLU, Delhi
38	Prerna Arora	SOL	FDP	FDP on Cyber Security
39	Arushi Anthwal	SOL	Workshop	One Week Workshop on Research Methodology organized by The Centre for Post Graduate Legal Studies at Maharashtra National Law University, Mumbai
40	Mohit Vats	SOL	FDP	FDP on Capacity Building for Holistic Development

41	Dr. Pallavi Bajpai	SOL	Webinar	India Arbitration Week- Webinar- Construction Disputes - Workshop
42	Dr. Pallavi Bajpai	SOL	National Conference	Ease of Justice in India: Future of Mediation, Arbitration and Conciliation
43	Dr. Pallavi Bajpai	SOL	International Conference	7th Annual International Conference on Competition
44	Dr. Unanza Gulzar	SOL	International Conference	IPTC, conference, 2022
45	Dr. Priyanka Banerji	SOMLS	Certification Course	Business Analytics (December 2021- May 2022)
46	Dr Divyabha	CLL	International Conference	B.R Ambedkar and the Nation Building Strike” at the International Conference on Multidisciplinary E-Conference on Contribution of Various aspects in Nation Building, Organized by Arts, Commerce and Science College for Arts and Science, Maregaon
47	Dr Divyabha	CLL	International Conference	Dalit Autobiography a Social Document- In Reference to Om Prakash Valmiki’s Jhoothan” at the International Conference on Contemporary Trends in World Literatures Language and Cultural Studies in English, organized by the Department of English, Bhopal School of Social Sciences, BSSS, MP and Christ College, IrinjaLakuda, Kerala, from 29-30 September 2021.
48	Dr Divyabha	CLL	International Conference	Caste Turbulence- Rise of Dalit Feminism” at on Language, Literature, and Social Sciences, organized by PG and Research department of English, Edayathangudy, G.S Pillay Arts and Science College, on August 10-2021
49	Dr Divyabha	CLL	International Conference	Dalit Identity Intent Movement and Concept- The Beginning of Revolutionary Dalit Discourse.” at International Conference on English Language, Literature and Culture in Digital Age: Wanderings and Enrootings, organized by Vellore Institute of Technology, Chennai, from 16-17 December 2021
50	Dr Divyabha	CLL	International Conference	The Emergence of Dalit Women Discourse in English and Dalit Literature.” at National Conference on Margin Enunciates Language, Culture, and Resistance, organized by De Paul Institute of Science and

				Technology, Angamaly, from 24-29 March 2022.
51	Dr Divyabha	CLL	International Conference	Time to change the fairy tales: Confronting homophobia in Ameya Narvankar's 'Ritu weds Chandani' at one day National conference on Language, Literature & Social science organised by PG & Research Department of English, Edayathangudy G. S, Pillay, Arts & Science College (Autonomous), on August 10, 2021
52	Dr Divyabha	CLL	International Conference	Questioning the sacrosanct centrality of Home in Mahesh Dattani's play 'Thirty Days in September' at The Seventh International BAKEA Symposium: Home, organised by Pamukkale University, Kinikli Campus, Denizli, Turkey, from September 15-17 2021.
53	Dr Divyabha	CLL	International Conference	Making the invisible visible, exploring the subaltern in the selected plays of Mahesh Dattani at the International Conference on ' Humanities through Literature, Film & Media organised by the School of Social Science and Language, organised by Velor Institute of Technology, from October 19-20, 2021.
54	Dr Divyabha	CLL	International Conference	From Memories to words, a traumatic time travel: Transgender autobiographies from India, at International Interdisciplinary Conference on Representation of Violence in Literature, Culture & Arts, organised by Department of English Language & Literature, Osmaniye Korkut Ata University, turkey from October 20-22, 2021.
55	Dr Divyabha	CLL	International Conference	Centering the margins in Mahesh Dattani's Final Solution and Taslima Nasrin's Lajja: A comparative study at the virtual conference on Narrating Partition in South Asia: Recent Trends and Perspectives at 7th Inter-University Students' and Researchers' Conference 2021 on Narrating Partition in South Asia: Recent Trends and Perspectives Organized by Department of English Ramakrishna Mission Residential College (Autonomous),

				Narendrapur from December 07-08, 2021.
56	Dr Divyabha	CLL	International Conference	Home is where it all began: A critical reading of Mahesh Dattani's play "Thirty Days in September" at THREE DAY VIRTUAL CONFERENCE ON "BELONGING AND HOMELESSNESS" Organised by Bengali Academia For Social Empowerment (BASE) Department of English, Dr. B. R. Ambedkar College, Nadia, W. B. Ambedkar Centre for Social and Cultural Studies, Gour Mahavidyalaya, Malda, W. B from December 17-19 2021.
57	Dr Divyabha	CLL	International Conference	An Exploration of Cultural Disaffection and Trauma in Neel Mukherjee's "A Life Apart" in the One-Day International Conference on "Race, Ethnicity and Migration in Postcolonial Literature" organized by the Publication Committee of Aligarh Muslim University, Centre Murshidabad on March 23,2022
58	Dr Divyabha	CLL	International Conference	Seeking Answer to the Question of Queer Identity: In Select plays of Mahesh Dattani at Five Day National conference on Margin Enunciates , Language, Culture and Resistance Organised by De Paul Institute of Science & Technology, Angamaly, from March 24-29, 2022.
59	Dr Divyabha	CLL	International Conference	In Pursuit of Law Implementation and Justice in Mahesh Dattani's Seven Steps Around the Fire at one day Virtual Conference on The Transformation in the Arts & Humanities: An Exploration of Interdisciplinary organised by department of Humanities in collaboration with IQAC, St. Claret College, on March, 30, 2022.
60	Dr Divyabha	CLL	International Conference	Negotiating Queer Identity in Select Films of Rituparno Ghosh at One day International Conference on "Being and Becoming: Articulating Alterity Across Mediums" organised by Satyawati College (Eve), University of Delhi on April 12, 2022
61	Dr Divyabha	CLL	International Conference	Decoding Transgender Rights in Mahesh Dattani's Play: Seven Steps Around the Fire and Seek Reformations in Present Time in the

				Rusa Sponsered International Virtual Conference on Intersections of Gender: Texts and Contexts organised by Department of English Patna Women's College (Autonomous) Patna University from April, 26 - 27 2022.
62	Dr Divyabha	CLL	International Conference	Identifying Queer Space in Contemporary Indian English Narrative for Young Adults at International Conference on Gender, Poetics, Activism, in Post-World War- Two Literature in English organised by University of Wroclaw, Poland from May 27-28, 2022.
63	Dr Divyabha	CLL	International Conference	Construction of Queer Space in Children's Book: A Comparative Study of Ameya Narvankar's 'Ritu weds Chandani' and Vivek Shraya's 'The Boy and the Bindi' at the WORLD LANGUAGES AND LITERATURES RESEARCH SYMPOSIUM hosted by School of Foreign Languages, Pamukkale University, Türkiye from June 1 to June 3, 2022.
64	Dr Divyabha	CLL	FDP	Gender Intersection: Caste, Class and Gender Violence in India by Prof. Parmod Kr Mehra on 14 March 2022.
65	Dr Divyabha	CLL	Workshop	Workshop on 'Diversity Sensitization: Issues and Challenges' organised by IQAC the Foreign Students Cell ad Equal Opportunity Cell of Mehr Chand Mahajan DAV College of Women, Chandigarh on 22 March 2022.
66	Dr Divyabha	CLL	FDP	Trends and Future Possibilities in Humanities and Social Sciences organized by School of Liberal Arts and Management, DST University, Dehradun, India from 25th - 26th March 2022.
67	Dr Divyabha	CLL	FDP	Reimagining Sociology in India: Feminist Perspective in memory of Sharmila Rege organised by IMPRI Gender Impact Studies Centre (GISC) IMPRI Impact and Policy Research Institute, New Delhi on 13th July 2022.
68	Dr Divyabha	CLL	FDP	Capacity Building for Holistic Development' organized by Department of Civil and

				Environmental Engineering and Centre for Language Learning, The Northcap University, Gurugram from 12 July- 16 July 2022
69	Dr Shrutimita Mehta	CLL	FDP	Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'ROAD-Response Effectiveness, Organising Self, Attitudinal Shift and Decision Making' organized by Gauhati University Institute of Science and Technology, Rohtak, from 22-26 November 2021.
70	Dr Shrutimita Mehta	CLL	FDP	Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'Developing Inter-Personal Skills and Effective Communication Intelligence' organized by Sardar Patel College of Engineering, Mumbai from 6-10 December 2021.
71	Dr Shrutimita Mehta	CLL	FDP	Capacity Building for Holistic Development' organized by Department of Civil and Environmental Engineering and Centre for Language Learning, The Northcap University, Gurugram from 12 July- 16 July 2022
72	Dr Satnam Singh	ME	FDP	Recent Advances in Artificial Intelligence, Machine Learning and Soft Computing organised by E&ICT Academy NIT wrangal and The NorthCap University from 01/12/2021 to 10/12/2021
73	Dr. Satnam Singh	ME	FDP	attended an online 10-day Faculty Development Programme on "Novel Prospective of Smart Materials, Hybrid Machining and Additive Manufacturing". The FDP was conducted by Indraprastha Engineering College and sponsored by Dr. A.P.J. Abdul Kalam Technical University from 26 th – 10 th Aug 2021.
74	Dr. Anu Tonk	EECE	FDP	One Week Online FDP on IOT induced Artificial Intelligence for Emerging Computing Paradigms, conducted by Dept. of Information Technology, Dr. B.R Ambedkar National Institute of Technology, Jalandhar
75	Dr Sona Vikas	SOM&LS	FDP - SOM & LS	Writing Review of Literature and Using Mendeley on 15 Oct 2022

76	Dr Sona Vikas	SOM&LS	FDP - SOM & LS	Research Proposal Writing and Presentation on September 17, 2022
77	Dr Sona Vikas	SOM&LS	Training Certification - NPTEL	Talent Acquisition & Management, Jan-Apr 2022; 4 months
78	Dr Sona Vikas	SOM&LS	Training Certification - NPTEL	Training and Development, Jan-Apr 2022; 4 months
79	Dr Sona Vikas	SOM&LS	FDP - IIT Madras	Research Methods in Organizational Behaviour and Human Resource Management, Research Methods in Organizational Behaviour and Human Resource Management, 21-02-2022 to 26-02-2022; 6 days
80	Shikha Yadav	SOM&LS	FDP - SOM & LS	Writing Review of Literature and Using Mendeley, October 15, 2022
81	Shikha Yadav	SOM&LS	FDP - SOM & LS	Research Proposal Writing and Presentation, September 17, 2022
82	Shikha Yadav	SOM&LS	Certificate Course	Certificate Course on Indian Labour Laws, May 2022
83	Shikha Yadav	SOM&LS	FDP (5 Days online) - Maharishi Institute of Information & Technology	Critical Insights on Vision and Readiness for Adopting Nep-2020 By HEIS, 7th-11th Feb. 2022
84	Shikha Yadav	SOM&LS	FDP - IIMT College of Management, Greater Noida	Recent Advancements and Emerging Technologies in the area of Education & Research, 3rd-9th Feb. 2022
85	Shikha Yadav	SOM&LS	Workshop - 5 days (PIMR - People's University)	Microsoft Excel Basic to Advance, 24-28th January, 2022
86	Shikha Yadav	SOM&LS	FDP - Akbar Peerboy College of Commerce & Economics	Making effective & winning presentation for Research Paper, 04th March 2022
87	Shikha Yadav	SOM&LS	MDP - Lloyd Business School	Emotional Intelligence for Managers, 26th Feb. 2022
88	Shikha Yadav	SOM&LS	Training Programme/Workshop	National Intellectual Property Awareness Mission, 11th Feb. 2022
89	Jiveta Chaudhary	SOM&LS	FDP - SOM & LS	Research Proposal Writing and Presentation, September 17, 2022
90	Dr. Priyanka Banerji	SOM&LS	Certificate Course	Skill Training in Certificate in Business Analytics, December 2021- May 2022; 6 months
91	Dr. Shaveta Sachdeva	SOM&LS	FDP	One-week FDP on Demystifying Literature Review Methods, 6 May-13 May 2022.
92	Dr. Shaveta Sachdeva	SOM&LS	E- Workshop	Research writing Part-3" organized by Research Smiths, 6 February 2022

Annexure D: Student Achievements

Student Achievements					
Sr. No.	Name of Award	Awarding Agency Name	Type of Award (National/International)	Name of student	Theme/Position
1	Haryana Police Examination	Haryana Police	National	Ankit Yadav	Cleared
2	Plenty Global Hackathon	Tezos	National	Udit Kapoor, Tarun Sharma	winner
3	GDS Hackpions 3.0	EY	National	Kashish Bhagat, Kushagra Sharma, Kushagra Sharma	winner
4	CyberKshetra 2021	Deolitte	National	Sarthak Srivastava, Yukti Ghablani, Shivam Kumar	finalist
5	CEH certificate	EC - Council	National	Yashasvi Kalra, Vaibhav Sharma, Yash Chandna, Uphaar Bakshi, Vibhuti Dahiya, Raveesh Ahuja, Mehul Khera, Shiv Sarthak Sabhlok	earned
6	APOGEE Project Presentation Competition	BITS - Pilani	National	Rushika Shrestha, Kanika Gupta, Sweety, Srinitya Kondapoly	Award prize: 12000Rs.
7	Delhi Section Awards 2022	IEEE	National	Ritika Rao, Saloni Yadav, Ansh Dudeja, Aarjav Vajpayee	Winner
8	Plenty Global Hackathon		National	Deepanshu Goel	Winner
9	First round of SSB	Indian Armed Forces	National	Aditya Arora	Cleared
10	Smart India Hackathon	SIH	National	Mr. Kartikey Vats Ms. Neha Sindhu Ms. Sania Mr. Suraj Kumar	Winner
				Mr. Utsav Raghav Mr. Rushil Pajni	
11	Unfold -2022	CoinDCX	National	Udit Kapoor, Tarun Sharma	Winner
12	Computing and Communication Technologies	SPEED 2022	interNational	Yatin Bajaj , Shruti Gupta and Bhavya Sharma	winner (2500/- cash prize)
13	MindBenders: An Innovative Project Contest and Exhibition	KR mangalam university	National	Deepanshu Kaushik and Priyanshu Mishra	2nd position
14	WIPO Course	WIPO	interNational	Srikant Shekhar	
15	Economics of IPR	NPTEL	NATIONAL	Srikant Shekhar	

16	Legal Hackathon	National Forensic Science University, Gujarat	National	Srikant Shekhar, Nikky Jha, Sareesha Chawla	
17	Legal Startup Presentation	The Northcap University	University	Srikant Shekhar, Nikky Jha, Sareesha Chawla	2nd cash prize
18	IPTSE OLYMPIAD	IPTSE Academy	National	Srikant Shekhar	AIR-19
19	Playformee	Startup Incorporated as LLP		Srikant Shekhar, Nikky Jha, Sareesha Chawla	
20	Participation in Grand Finale of SIH2022	Ministry of education and Ministry of Innovation cell	National	Yogesh, Saumay, Aastha, Neha, anirudh	
21	Startup CureSee received a grant of INR 4 lakh under TIDE Eir 2.0 fellowship	Ministry of Electronics and Information Technology (MEITY) in collaboration with JECRC university.	National	Jatin Kaushik	
22	Won 2nd prize (cash prize of Rs 25,000/-) in Best project competition.	The NorthCap University	University	Pradeep Yadav, Mimansha Mishra, Gaurav Arora	
23	Best B.Tech project 3rd prize of Rs. 25000/- (got prize in Nov. 2021)	The NorthCap University	University	Nishant Yadav, Nishita Yadav	

Annexure E

Sr. No	Organisation with which MOU is signed	Year of signing	Duration	List of activities
1	Ecara Solutions, Gurugram	20/2/2022	1 Year	Summer internship + Placement +Industry project
2	Ansyst Consulting, Gurugram	22/02/2022	1 Year	Summer Internships +Expert Lecture
3	Pie Infosystems, Gurugram	25/02/2022	1 Year	Summer Internship + Project
4	MakeMe Builder Pvt. Ltd., Gurugram	26/02/2022	1 Year	Summer Internships +Project
5	AgBe Technologies, Gurugram	03/03/2022	1 Year	Summer Internship
6	NIA Agrocommodity Marketplace Pvt.Ltd, Gurugram	05/03/2022	1 Year	Summer Internships
7	Universal Technical Systems (India) Pvt. Ltd, Pune	05/03/2022	1 Year	Summer Internships + project + Placement(+Guest Lecture
8	Danalitic India Pvt. Ltd., Pune, Maharashtra	10/03/2022	1 Year	Summer Internships +Project
9	View 360 Degree Pvt.Ltd.	21/04/2022	1 Year	Student Internship
10	XR Central	02/05/2022	1 Year	Placement
11	STPI Gurugram	24/08/2022	3 Years	Expert Session
12	KARAT LAWZ ACADEMY	29/09/2022	1 Year	Scholarship based upon exams / sponsorship funding
13	Pahuja Judicial Academy	7/10/2022	1 Year	Scholarship based upon exams / sponsorship funding
14	Innove Intellects	12/10/2022	3 years	Organising seminars/ webinars and Filing Patents
15	Project Management Institute (PMI), USA	During 2022-23	1 Year	Project Management Certification
16	PMI, USA and Microsoft		2 Year	Citizen Developer Student Hub (Power Platform) student up skilling
17	Google Certification courses by F-TEC in Collaboration with NASSCOM on Coursera	05/07/2022	6 months	1. Course Name: Google IT Support – 100hrs 2. Course Name: Google IT Automation with Python -180 hrs 3. Course Name: Google Project Management-140 hrs 4. Course Name: Google Data Analytics – 180 hrs 5. Course Name: Google UX Design -200 hrs 6. Google Digital Marketing & E Commerce
18	Shri Vishwakarma Skill University Gurugram	28/09/22	1 year	Research, Joint Events, Conferences, Ceetificate programs
19	Strategic Educational Professional Private Ltd. ACCA	19/7/22	3 years	Provide access to ACCA professional developmentand learning resurces; enhance employability; training students for successful careers in accounting and finance

Annexure F

Sr. No.	Faculty Name	Department	Details of NPTEL MOOC Course	Date and Duration
1	Himangshu Rathee	School of Law	Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education	4 weeks
2	Himangshu Rathee	School of Law	Laws in Contemporary Times	2 weeks
3	Himangshu Rathee	School of Law	Media Law and Ethics	12 weeks
4	Himangshu Rathee	School of Law	The Economics of Constitutionalism: Principles and Practice	2 weeks
5	Perna Arora	School of Law	Cyber Security	5 Days
6	Arushi Anthwal	School of Law	Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of ‘Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.	4 weeks (20th Jan – 19th Feb 2022)
7	Dr. Archana Sarma	School of Law	Faculty Induction Programme organized by Teaching Learning Centre, Ramanujan College, University of Delhi	4 Weeks (21 Mar – 19 Apr 2022)
8	Dr. Archana Sarma	School of Law	Interdisciplinary Refresher Course on Research Methodology organized by Teaching Learning Centre, Ramanujan College, University of Delhi	2 Weeks (20 Feb – 6 Mar 2022)
9	Dr. Unanza Gulzar	School of law	1 month induction programme organised by UGC-HRDC, Jamia Millia Islamia	4weeks (15 Jan to 15 Feb 2022)
10	Dr. Unanza Gulzar	School of Law	4 weeks induction programme organised by teaching learning center, Ramanujan college, Delhi University	4 weeks (1 Jan to 30th Jan 2022)
11	Dr. Unanza Gulzar	School of Law	2 weeks refereshers course organised by teaching learning center, Ramanujan college, Delhi University	2 weeks, 1 st to 14 th Jan 2022
12	Dr. Deependra Singh	SOMLS	NPTEL Online Certification - Product and Brand Management	12 Weeks (July to Oct 22)
13	Dr. Vandana Khanna	EECE	Completed an online 8 weeks certificate course ‘Fundamentals of Red Hat Enterprise Linux’	8 Week
14	Dr. Vandana Khanna	EECE	Completed an online course on ‘Introduction to Big Data Tools for Beginners’	September 2022
15	Dr. Pooja Sabherwal	EECE	Attended NPTEL awareness workshop	May 2022
16	Himangshu Rathee	School of Law	Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education	4 weeks
17	Himangshu Rathee	School of Law	Laws in Contemporary Times	2 weeks

18	Himangshu Rathee	School of Law	Media Law and Ethics	12 weeks
19	Himangshu Rathee	School of Law	The Economics of Constitutionalism: Principles and Practice	2 weeks
20	Purna Arora	School of Law	Cyber Security	5 Days
21	Arushi Anthwal	School of Law	Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of ‘Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers, and Teaching.	4 Week (20th Jan – 19th Feb 2022)
22	Dr. Archana Sarma	School of Law	Faculty Induction Programme organized by Teaching Learning Centre, Ramanujan College, University of Delhi	4 Week (21 Mar – 19 Apr 2022)
23	Dr. Archana Sarma	School of Law	Interdisciplinary Refresher Course on Research Methodology organized by Teaching Learning Centre, Ramanujan College, University of Delhi	2 Week (20 Feb – 6 Mar 2022)
24	Dr. Unanza Gulzar	School of law	1 month induction programme organised by UGC-HRDC, Jamia Millia Islamia	4 Week (15 Jan to 15 Feb 2022)
25	Dr. Unanza Gulzar	School of Law	4 weeks induction programme organised by teaching learning center, Ramanujan College, Delhi University	4 Week (1 st to 30 th Jan 2022)

Annexure G

Research & Publication Data (November 2021 – October 2022)

November 2021

JOURNALS

INTERNATIONAL

Aman Saini*, Divya Jain and Arpita Nagpal (2021) 'Prosthetic devices and machine learning', *Drugs and Cell Therapies in Hematology*, Vol. 10, No. 1, pp, 680-693, CSE2021J025.

Pankhudi Saraswat and Divya Jain* (2021) 'The role of machine learning in astronomy', *International Journal of Advanced Engineering Research and Applications*, Vol. 7, No. 3, pp, 40-46, CSE2021J026.

Ankita Daghotra* and Divya Jain (2021) 'From humans to robots : machine learning for healthcare', *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, Vol. 7, No. 3, pp, 705-714, CSE2021J027.

Shradha Singh Parihar and Nitin Malik* (2021) 'Optimal allocation of multiple DGS in RDS using PSO and its impact on system reliability', *Facta Universitatis-Series Electronics And Energetics*, Vol. 34, No. 2, pp, 219-237, ECE2021J015.

Jyoti Dabass*, Madasu Hanmandlu and Rekha Vig (2021) 'Multi-class classification of mammograms with hesitancy based Hanman transform classifier on pervasive information set texture features', *Informatics in Medicine Unlocked*, Vol. 26, No. 100756, pp, 1-14, ECE2021J016.

Rajat Gupta, Mona Aggarwal* and Swaran Ahuja (2021) 'Preservation of shared backup path in k-node content based elastic optical datacenter networks', *Transactions on Emerging Telecommunications Technologies*, Doi: <https://doi.org/10.1002/ett.4378>, ECE2021J017.

Anshul Vats, Mona Aggarwal* and Swaran Ahuja (2021) 'Physical layer security analysis of a dual-hop hybrid RF-VLC system', *Journal of Optical Communications*, Doi: <https://doi.org/10.1515/joc-2021-0076>, ECE2021J018.

Savita Sondhi* and Sharda Vashisth et al. (2021) 'Voice processing for COVID-19 scanning and prognostic indicator', *Heliyon*, Vol. 7, No. 10, pp, e08134, ECE2021J019.

Sarita Yadav, Anshul Vats, Mona Aggarwal* and Swaran Ahuja (2021) 'Performance analysis and altitude optimization of UAV-enabled dual-hop mixed RF-UWOC performance analysis and altitude optimization of UAV -enabled dual-hop mixed RF-UWOC system', *IEEE Transactions on Vehicular Technology*, Doi: doi: 10.1109/TVT.2021.3118569, ECE2021J020.

Komal Bhatt* and Divyabha Vasishth (2021) 'B. R. Ambedkar and the nation building strike : education social change and development', *International Journal of Scientific Research in Science and Technology*, Vol. 9, No. 5, pp, 679-682, CLL2021J004.

NATIONAL

Renu Yadav, Tejpal S Chundawat, Pooja Rawat, Gyaneshwar K Rao and Dipti Vaya* (2021) 'Photocatalytic degradation of malachite green dye by ZnO and ZnO-β-cyclodextrin nanocomposite', *Bulletin of Material Science*, Vol. 44, No. 250, pp, 001-008, APS2021J019.

BOOK

INTERNATIONAL

Surbhi Bhatia*, Ashutosh Kumar Dubey, Rita Chhikara and Poonam Chaudhary (2021) 'Intelligent Healthcare, Applications of AI in eHealth, Part of the EAI/Springer Innovations in Communication and Computing book series', pp. 1-323, Springer, ISBN- 978-3-030-67051-1, CSE2021B001.

BOOK CHAPTER

INTERNATIONAL

Vaishali Sahu, Anil Kumar Misra* and V Gayathri (2021) 'Fly ash in road construction' in *Handbook of Flyash*, Chapter 21, pp. 657-680, Elsevier, ISBN- 9780128176863, CEE2021BC001.

Dollie Juneja, Himanshi Bhatia, Manvi Breja* and Rita Chhikara (2021) 'Summarization and analysis of text using network theory' in *Data Driven Approach Towards Disruptive Technologies*, Part of the Studies in Autonomic, Data-driven and Industrial Computing book series, Proceedings of MIDAS 2020, Chapter 10, pp. 111-125, Springer, ISBN- ISBN: 978-981-15-9873-9, CSE2021BC009.

Sahil Malhotra* and Rita Chhikara (2021) 'Predicting and managing glycemia levels using advanced time series forecasting methods' in *Intelligent Health care, Applications of AI in eHealth*, Part of the EAI/Springer Innovations in Communication and

Computing book series, Chapter 9, pp. 143–161, Springer, ISBN- ISBN: 978-3-030-67051-1, CSE2021BC010.

Shradha Singh Parihar and Nitin Malik* (2021) 'Optimal integration of multi-type dg in radial distribution network' in *Artificial Intelligence and Sustainable Computing*, Part of the Algorithms for Intelligent Systems book series, Proceedings of ICSISCET 2020, Chapter 9, pp. 97-108, Springer, ISBN- ISBN 978-981-16-1220-6, ECE2021BC004.

Deepak Kumar*, Md. Shamim, Santosh K. Arya, Mohammad Wasim Siddiqui, Deepti Srivastava and Shilpa Sindhu (2021) 'Valorization of by-products from food processing through sustainable green approaches' in *Challenges and Opportunities of Circular Economy in Agri-Food Sector*, Part of the Environmental Footprints and Eco-design of Products and Processes book series, Chapter 11, pp. 191-226, Springer, ISBN- 978-981-16-3791-9, SOM2021BC004.

Shweta Dahiya*, Parveen Siwach, Anupama Panghal and Shilpa Sindhu (2021) 'Terracotta pottery catastrophe: survival issues and road ahead for sustainable enterprise' in *Entrepreneurship and Big Data: The Digital Revolution*, Chapter 11, pp. 1-14, CRC Press, Taylor & Francis, ISBN- 978-100-30-9794-5, SOM2021BC005.

NATIONAL

Savita Boral* and Divyabha Vashisth (2021) 'Tracing queer space in indian mythology and contemporary scenario' in *South Asian Literature And Culture Social Inclusion And Exclusion*, Chapter 9, pp. 90-94, Mahi Publication, ISBN- 978-93-90651-25-2, CLL2021BC003.

Deergha Sharma (2021) 'Innovation and entrepreneurship- avenues of financing' in *Building Self Reliant India: Funding and Promotion of Aspiring Entrepreneurs*, Chapter 1, pp. 1-11, Himalaya Publications, ISBN- 978-93-5495-187-9, SOM2021BC006.

CONFERENCE PROCEEDINGS

NATIONAL

Preeti Yadav , Chetna Tyagi* and Ambika Sharma (2020) 'To study substrate dependent linear and nonlinear refractive index of chalcogenide Se₈₂Te₁₅Bi_{3.0} thin films', *Advanced Materials and Radiation Physics (AMRP-2020)*, pp. 020032-1–020032-4, APS2021P003.

Renu Yadav, Anju, Tejpal S Chundawat and Dipti Vaya (2020) 'Photocatalytic degradation of malachite green dye by using β-cyclodextrin based nanocomposites', *National Conference on Physics and Chemistry of Materials*, pp. 020071-1-020071-5, APS2021P004.

CONFERENCE PRESENTATION

INTERNATIONAL

Savita Boral and Divyabha Vashisth (2021) 'Making the invisible visible, exploring the subaltern in the selected plays of mahesh dattani', A Two Day Day International Virtual Conference on Humanities through Literature, Films and Media, School of Social Science and Languages, Vellore Institute of Technology, Chennai, CLL2021C031.

Savita Boral and Divyabha Vashisth (2021) 'From memories to words, a traumatic time travel: transgender autobiographies from india', A Three Day Day International Interdisciplinary Conference on Representation of Violence in Literature, culture and Arts, Osmaniye Korkut Ata University, Turkey, CLL2021C032.

Nimisha Yadav and Shrutimita Mehta (2021) 'Culture and cinema: a vision of reality in the works of satyajit ray', UGC Sponsored Two Day Virtual International Conference on Contemporary Trends in World Literatures, Languages and Cultural Studies in English, Department of English BSS, Christ College Irinjalakuda, CLL2021C033.

Richa Sharma and Shrutimita Mehta (2021) 'My friend ganesha: an exploration of post-colonial interpretation of hindu boy gods', UGC Sponsored Two Day Virtual International Conference on Contemporary Trends in World Literatures, Languages and Cultural Studies in English, Department of English BSS, Christ College Irinjalakuda, CLL2021C034.

Komal Bhatt and Divyabha Vashisth (2021) 'Dalit autobiographies- a social document-in reference to om prakash valmiki's joothan', UGC Sponsored Two Day Virtual International Conference on Contemporary Trends in World Literatures, Languages and Cultural Studies in English, Department of English BSS, Christ College Irinjalakuda, CLL2021C035.

Komal Bhatt and Divyabha Vashisth (2021) 'B. R. Ambedkar and the nation building strike : education social change and development', International Multidisciplinary E- Conference On Contribution of Various Aspects In Nation Building, Commerce & Science College, Maregaon Dist. Yavatmal, Maharashtra, India, CLL2021C036.

December 2021

JOURNALS

INTERNATIONAL

Deepika Gaur, Sunita Sharma*, Aditya Sharma, Dharendra Kumar Sharma and Sweta Shukla (2021) 'Structural, electronic structure, and photovoltaic studies of MgO/TiO₂/ITO heterostructures', Journal of Electronic Materials, Vol. 50, No. 11, pp. 1-7, APS2021J020.

Madhu Kumari* and Prachi Ahlawat (2021) 'Intelligent information retrieval for reducing missed cancer and improving the healthcare system,' International Journal of Information Retrieval Research, Vol. 12, No. 1, pp. 1-25, CSE2021J028.

Priyanka Rastogi*, Kavita Khanna and Vijendra Singh (2021) 'Gland segmentation in colorectal cancer histopathological images using U-net inspired convolutional network,' Neural Computing and Applications, Doi: <https://doi.org/10.1007/s00521-021-06687-z>, CSE2021J029.

Monika Lamba*, Yogita Gigras and Anuradha Dhull (2021) 'Classification of plant diseases using machine and deep learning,' Open Computer Science, Vol. 11, No. 1, pp. 491-508, CSE2021J030.

NATIONAL

Hansika Chouhan and Archana Sarma* (2021) 'The wireless cellular mobile communications industry in India: accelerating towards self-reliance during covid-19', Udgam Vigyati, Vol. 24, pp. 1-13, SOL2021J004.

BOOK CHAPTER

INTERNATIONAL

Sandeep Sharma*, Kavita Khanna and Prachi Ahlawat (2020) 'Survey for detection and analysis of android malware(s) through artificial intelligence techniques' in Cyber Security and Digital Forensics, Part of the Lecture Notes on Data Engineering and Communications Technologies book series, Proceedings of ICCSDF 2021, Chapter 28, pp. 321-337, Springer, ISBN-978-981-16-3960-9, CSE2021BC011.

Akanksha Mathur*, Rohit Singh Lather, Vinit Chauhan, Rahul Sharma and Tushar Mehta (2021) 'An experimental and mathematical analysis for improvement of gas stove efficiency' in Computational and Experimental Methods in Mechanical Engineering, Part of the Smart Innovation, Systems and Technologies book series, Proceedings of ICCEMME 2021, Chapter 4, pp. 33-42, Springer, ISBN-978-981-16-2856-6, MED2021BC001.

CONFERENCE PROCEEDINGS

INTERNATIONAL

Monika Yadav*, Vijendra Singh and Prachi (2021) 'Ontology-based data integration and mapping for adverse drug reaction,' International Conference on Signal Processing, Computing and Control, pp. 719-727, CSE2021P010.

January 2022

JOURNALS

INTERNATIONAL

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