ANNUAL REPORT 2021

OUR WORLD OF
EXCELLENCE

WHERE EDUCATION BRIDGES THE GAP BETWEEN
THE CLASSROOM AND THE REAL WORLD

THE
NORTHCAP
UNIVERSITY

Index

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 Under Graduate, Post Graduate 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 7km 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	:	Dr. Nupur Prakash
Registrar	:	Col. Bikram Mohanty (Retd.)
Student Population	:	Under Graduate: 2836, Post Graduate: 126 Doctorate 139
Gender Profile	:	Male - 70%, Female -30%
Faculty	:	160
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.*

Visitor of the University

Hon'ble Shri Bandaru Dattatreya
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 Avdhesh Mishra
Founder and Member
Governing Body

Mr Anand Mohan Saran (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

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

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

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

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

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

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

Prof. SG Deshmukh
Director ABV-IIITM
Gwalior
Professor, IIT, Delhi

Mr Satish Kaura
Padma Shri
Chairman
Samtel Color Ltd

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

Mr Bunty Peerbhoy
Director,
Maa Group Holdings

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

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

Prof. Ranbir Singh
Vice-Chancellor
National Law University,
New Delhi

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

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

Mr Mangu Singh
Managing Director,
DMRC, New Delhi

Mrs Ruby Rajvanshi
Director
Hatch India Pvt. Ltd.

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

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

Mr Ajai Chowdhry
Padma Bhushan
Founder – HCL,
New Delhi

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

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

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

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

Prof. PB Sharma
Vice-Chancellor
Amity University,
Gurgaon

Mr Sanjay Goel
Former Managing Director
Punj Lloyd, Genpact

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 Anand Mohan Saran (IAS)
Principal Secretary,
Higher Education Department
Govt. of Haryana

Mr Akshay Makhija
Founder and Member,
Governing Body

Mr Z Daulet Singh
Founder and Member,
Governing Body
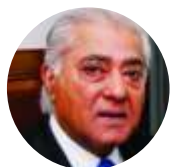
Mr N K Dewan
Founder and Member,
Governing Body

Prof. Swaran Ahuja
Dean,(Academics)

Dr Swaranjeet Arora
Head
School of Management

Dr. Kavita Khanna
Head Department of
Computer Science Engineering
& Information Technology

Dr Rekha Vig
Dy. Dean (Academics),
UG

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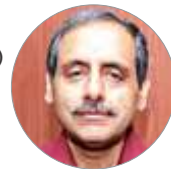
Prof. V. G. Hegde
Professor, Centre for
International Legal Studies,
JNU, New Delhi

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

Dr Swaranjeet Arora
Head,
School of Management

Prof. Swaran Ahuja
Dean (Academics)

Dr Kavita Khanna
Head,
Department of
Computer Science
Engineering and
Information Technology

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

Prof Ram Karan Singh
Head,
Department of Civil & Environmental Eng.
Dean, (RDIL) &
PhD Studies

Dr Archana Sarma
Head,
School of Law

Dr. Divyabha Vashisth
Officiating Head,
Centre for Language Learning
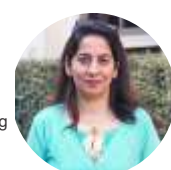
Dr. Rekha Vig
Dy. Dean (Academics)
UG

Dr. Rohit Singh Lather
Head,
Department of
Mechanical Engineering

Dr. Agueda Benito
Chif Academic Officer
Cintana Education

Col. Bikram Mohanty (Retd)
Registrar,
Member Secretary

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Chief Guests at Convocations

*Late Dr APJ Abdul Kalam, Former President of India
at ITM University Campus, Degree Distribution Ceremony- Class of 2010*

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

*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 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 - RoadTransport & Highways) Chief Guest, Convocation - Class of 2019

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

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
	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.
	University is accredited by the National Assessment and Accreditation Council (NAAC) for the period 2016-2021
	The University ranked 97 in All India NIRF Engineering ranking in the University Category, in the Rank Band 151-200 in the NIRF Ranking released by MHRD for the year 2020.
	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 2016-2020
	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
	Placed in the band " A" (Ranked 6th-25th) by ARIIA
	"3" Star Rating by (IIC)

Rankings

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 an Ranking to be in the top of the league by embracing global best practices and championing the highest ethical standards.

● Ranked in Band "A" (Rank 6 to 25) in the Atal Ranking of Institutions on Innovation & Achievements (ARIIA) 2020

● MHRD led NIRF ranking 2020 placed NCU at 97th position, in the Engineering category and in the rank band of 151-200, in University Category

● NCU is ranked 5th in All India in the Non-Residential University Category 'Swachhta' Ranking 2019, by the Government of India

● NCU ranked as QS 5 Stars in Teaching, Employability, Online Learning, Academic Development and Inclusiveness

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 & Law at the Under Graduate, Post-Graduate 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 academic year 2020-21:

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 Artifical 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) Specialization In Web Application Development

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
- Mtech 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
- BBA
- BBA Splz. in Digital Marketing
- BBA Splz. in Business Analytics
- MBA Dual Splz. with (Two Majors) Splz. in HR / Finance / Marketing / Business Analytics
- BA (Hons) Psychology
- BA (Hons) Economics
- BA (Hons) English
- BCom (Hons)

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 2021

Prof. Anil Kakodkar
AICTE Distinguished Chair Professor
Former Chairman, Atomic Energy Commission of India
Former Director, Bhabha Atomic Research Centre

Anil Kakodkar, born in 1943 to Gandhian freedom fighter parents, is a nuclear physicist and mechanical engineer. He had his early education at Barwani and moved to Mumbai for post-matriculation studies. He graduated in Mechanical Engineering in 1963 from the University of Mumbai and joined the Bhabha Atomic Research Centre (BARC) in 1964. He obtained a Master's degree in experimental stress analysis from the University of Nottingham in 1969. He played a crucial role in designing and constructing the Dhruva reactor, a completely original but high-tech project. He was a part of the core team of architects of India's Peaceful Nuclear Tests in 1974 and 1998. He also led the indigenous development in India's Pressurised Heavy Water Reactor Technology. He worked in the rehabilitation of the two reactors at Kalpakkam and the first unit at Rawatbhata.

In 1996, he became Director of the BARC and subsequently Chairman of the Atomic Energy Commission of India and Secretary of the Department of Atomic Energy. Currently, he is the AICTE Distinguished Chair Professor. He has published over 250 scientific papers. He was awarded the Padma Shri in 1998, Padma Bhushan in1999, Padma Vibhushan in 2009, and several national and international awards and honors.

Dr. Kakodkar has, over the years, built competent teams of highly specialized scientists and engineers in the reactor engineering program. He has chaired several committees, especially to give recommendations regarding education. Technology Information Forecasting and Assessment Council (TIFAC), an apex group led by him, brought out a Technology vision document 2035. The Hon'ble PM released the document during the Science Congress on 3 January 2016.

Dr. Kakodkar presently devotes his time primarily to energy, education, and societal development. He has been propagating the concept of CILLAGE, a knowledge-based ecosystem for bridging city and village gaps for technology-enabled sustainable development in rural areas.

Vice-Chancellor's Address

Prof. Nupur Prakash
Vice-Chancellor

Honorable Chief Guest Shri Anil Kakodkar, Padma Vibhushan Awardee, AICTE Distinguished Chair Professor, Chairman, Rajiv Gandhi Science & Technology Commission, Former Chairman, Atomic Energy Commission, Former Director, Bhabha Atomic Research Centre; Chancellor, Shri V Daulet Singh; Members of Governing Body, Shri Avdhesh Mishra, Shri Shiv Saran Mehra, Shri Zorawar Daulat Singh; Pro-Chancellor, Prof Prem Vrat, AICTE Distinguished Chair Professor, Chief Mentor NCU, distinguished colleagues, recipients of the degree, eminent alumni, faculty, staff, parents, and students. Very good morning to everyone and a very warm welcome to the 10th Convocation Ceremony of The NorthCap University.

To begin with, I wish to thank our Chief Guest, Prof. Anil Kakodkar, Chairman RGSTC, for sparing his valuable time and for his consent to be the Chief Guest at this tenth convocation ceremony. As the Vice-Chancellor, it is a matter of great honor and privilege for me to welcome you sir, to the Tenth Annual Convocation of the University.

Since its inception in 1996, The NorthCap University (NCU) has been known for delivering high quality of education that transforms lives and forges powerful partnerships and alliances to handle the new world order locally and globally. Today, we are here to confer the degrees upon our students after successful completion of their educational programs and shower them with our blessings and good wishes for their future life.

The coronavirus-led pandemic has ushered in the age of technology-driven Convocation being held today in hybrid mode, where we have our chief guest present in virtual mode from Mumbai, and the event is streamed live on YouTube. We are extremely happy to host students and parents on our campus today during this event.

The NorthCap University, in pursuance of the vision of its founders, has emerged as a self-reliant, digital-first University with more than 3000 students studying on campus and 11000+ alumni placed in prestigious companies in India & abroad. NCU has earned a remarkable place in the country's top private universities over the years. Established under Haryana Private University Act No.25 of 2009, the University is recognized by the University Grants Commission and Bar Council of India, Government of India. Further, it is accredited by the National Assessment and Accreditation Council (NAAC) and the Accreditation Services for International Colleges (ASIC), UK, as a premier university with 'commendable grades.' Our University offers industry-relevant education in the disciplines of Engineering, Management, Applied Science, Law, and Liberal Studies.

It fills me with pride to mention that The NorthCap University has earned itself a place among the top universities in India for its academic offerings. The institution has achieved QS 4 stars overall and a perfect 5-star rating in key categories including Teaching, Employability, Online learning, Academic development, and Inclusiveness from QS Quacquarelli Symonds - the global rating agency. This rating reflects the institution's commitment to continue pushing its boundaries and provide an outstanding academic experience to its students.

NCU achieved a new milestone in the innovation and entrepreneurship category by being ranked in Band "A" (Rank 6 to 25) in the Atal Ranking of Institutions on Innovation & Achievements (ARIIA). Further, the latest MHRD led NIRF ranking 2021 has placed the University at 97th position, in the Engineering category and in the rank band of 151-200, in University Category.

The NCU campus is located in a clean and pollution-free environment spread over 10 acres. NCU is committed to the green movement and has 6 acres (60 percent) of green area. The University invests all efforts to maintain beautiful lush green gardens all around the campus and has been declared the winner of the HUDA garden competition in Gurugram for the 17th consecutive year.

NCU has set out a long-term sustainable development goal as a clean, green campus. The University has been ranked 5th in All India in 'Swachhta' Ranking 2019 under the Non-Residential University Category by the Government of India. Further, our dedicated cell for Social Entrepreneurship, Swachhta & Rural Engagement, is recognized for best environmentally friendly practices with a spirit of community engagement. This year the University has also won the 'One District One Green Champion Award' by the District Commissioner Gurugram in August 2021. The NorthCap University (NCU), since its inception, aims to reduce energy consumption, ensure standard indoor air quality, and improve energy efficiency on campus by using solar panel installations.

I am honored to present our University's Annual Report for the year 2020-21 before the entire gathering. I shall share the highlights of the report, defining our single-minded focus on quality enhancement and the academic achievements made during the year 2021 by the students and faculty members of NCU. The academic year 2020 and 2021 will be remembered in world history as the years that threw numerous challenges to mankind. It also affected the academic life in every campus and opened the doors for many possibilities and opportunities in everyday life at University. The pandemic has brought several transformations in the lives of our students and

teachers and impacted the way education is imparted. Since last year, the University has been imparting online education through virtual mode. We underwent a complete digital transformation switching the learning mode from conventional classroom to e-classroom, and kept our stakeholders, the students, and recruiters connected through webinars, virtual labs sessions, Learning Management Systems (LMS), E-Portfolio, etc. Furthermore, we organized free vaccination camps for our employees and their families and extended fee waivers to students who lost their earning parents to Covid through our Covid Relief Fund under a scheme named the Covid Emergency Aid for Students Education (CEASE).

NCU fosters a culture of research and innovation among its students and staff; and provides best-in-class facilities to support research and extension activities in all areas. During the year 2021, The National Technical Research Organisation (NTRO), Govt. of India, has sanctioned a research grant of Rs. Twenty lakhs for conducting research in the area of Android Malware Detection. The research projects worth Rs. 1 crore in the areas of Geotechnology, Geo-Environmental Studies, Renewable Energy Resources, Biomedical Signal Processing, Machine Learning, Cyber Security, Health Care, and Biosensors are completed. Currently, 142 doctoral students are registered with NCU to carry out their doctoral research work. This year we are awarding Ph.D. degrees to 11 scholars in the field of Engineering, Science, and Technology. Furthermore, our faculty members have actively participated in national & international conferences and seminars and have published more than 100 papers in top-tier prestigious journals during this year 2021.

The faculty members have organized two AICTE Training and Learning (ATAL) FDPs on 'Research Trends in Computer Vision and Natural Language Processing' and 'Design of Secure Web Applications' supported by AICTE on 19th and 26th July 2021, respectively.

During the pandemic, NCU organized online classes through Microsoft Teams' professional platform along with continuous evaluation, including submission of online assignments, quizzes, surveys, case studies, industry internships, moot courts, project work, etc. The labs were also conducted online with additional support from Virtual Labs platforms designed by IITs. The faculty members were trained in CANVAS LMS, and the teaching-learning process gradually migrated to the new LMS.

NCU adopted an AI proctored examination platform with several built-in security features for the conduct of online examinations. The students visited the campus for doubt clearing classes and hands-on practical work in hardware labs since the beginning of this semester as per Government guidelines.

Keeping in pace with the current environment's changing dynamics and making the students future-ready, the university has introduced new specializations in School of Engineering & Technology (SOET) and School of Management (SOM). In SOET, a specialization track in Data Sciences has been introduced along with Blockchain Technology. In SOM, two specializations have been added to BBA programs. These include specialization in Digital Marketing and Business Analytics. Besides this, the university has set up new high-end computational labs to assist students in cutting-edge research areas like AI, Deep Learning, Cyber Security, and High-level Data Analysis. The University has also expanded its academic offering to include a wide range of topics from arts to sciences across all programs. This move confirms the University's alignment with the NEP philosophy, which encourages transforming education from pure 'STEM' (Science, Technology, Engineering & Maths) to 'STEAM' (Science, Technology, Engineering, Arts & Maths). For the holistic development of its students, the University has also introduced compulsory community service in the curriculum. It exposes students to societal problems and encourages them to come up with relevant solutions. The NorthCap University recognizes that it is imperative to give back to the community and encourages students to participate actively in several outreach programs. Students are required to perform one week's community service during summer vacations and an additional 140 hours of community service spread over odd and even semesters.

This year in SOET, BCA programs in AR/ VR and Web Development were introduced. University has expanded the basket of liberal studies further by introducing BA (Eng) honors this year. Several community schemes floated by the Government of India and Government of Haryana like Pradhan Mantri Ujjwala Yojana, Ujwal Bharat, National Solar Mission, India's Energy Storage Mission, Swachh Bharat Abhiyan, Jal Shakti Abhiyan, etc. are already being pursued as co-curricular activities for the holistic development of students at NCU.

Furthermore, in line with the National Education Policy (NEP) 2020, NCU supports education, which promotes access, equity, and inclusivity. NCU has adopted the recommendations of NEP at the university level to facilitate the implementation of the policy at various levels.

Facilities at the University like Tinkering lab, NaviC Lab, iMAC Lab, AR/VR lab, and the newly built Smart classroom expose the students of NCU to the latest technological advancement and equip them with world-class education. The iMac Lab with 15 Mac systems is a central facility to encourage all students to work on projects in cutting-edge technology areas using a world-class facility. The concept of 'Thought Lab' managed by Brahma Kumaris is another initiative by NCU to foster a positive lifestyle among students and staff by reducing negative energy, stress and improving their overall mental health. The Incubation Centre facility enables our students to ideate, create, and incubate their business plans irrespective of their enrolled programs.

This year NCU Incubation Centre organized a start-up idea challenge and short-listed ten teams with great business ideas for incubation. Various activities were organized by the Institution Innovation Council (IIC) established as per the norms of MHRD, and students of NCU participated in Toyacathon and Smart India Hackathon, winning Rs. 1 lakh for providing an innovative solution to societal issues. The University also has a Parent Information System that keeps the parents informed about their wards' progress from time to time. Further, The Moot Court Competition organized by the NCU's Law school imparts the necessary skills to prospective lawyers in 'dealing' with different legal systems and cultures that make up our global community.

NCU organized its 2-day Annual Techno Cultural Festival- "The Momentum 2021" this year in October 2021. We figured out new ways to dive into the cultural heat by keeping 10-Onstage and 42-Offstage events in hybrid mode. The enthusiasm of participants was overwhelming and proved that even the home-lock situation could not lock their creativity, talent, and spirit. With the support & encouragement of faculty mentors, some of our students have brought laurels to NCU by securing positions in international & national level events.

- Our students bagged the first prize Internationally in IEEE R10 Student Branch Website Competition, organized by IEEE Student Activities Committee, and were rewarded with a cash prize of $300.
- Our student of CSE won Smart India Hackathon for the Problem Statement of Ministry of MSME, India, and received Rs.10,00,00/- as prize money.
- Our students bagged 2nd position in 'Best Potential impacts on Social issues' and 3rd position in 'Best Potential Growth and Scale up' category at International Idea to Business Challenge organized by Esa Unggul University Jakarta, Indonesia, in virtual mode this year (2021).
- Our student of SoET won TechE Theme Championship for the IoT Domain at the Deloitte Technoutsav 3.0. and bagged the award of Rs. 75,000/- as prize money along with the pre-placement offer from Deloitte USI.

The NorthCap University is constantly working towards being a global university known for learning innovations, academic excellence, and socially relevant research outcomes. We have recently tied up with Arizona State University for offering world-class education conforming to the Indian ecosystem.

The University has redesigned its curricula and teaching pedagogies using the global educational assets and contents offered by ASU. This progressive leap has helped NCU re-establish itself as a digital-first University producing digitally empowered students for a flatter world.

The NorthCap University has collaborated with reputed industries such as Daikin, MACE, Space Application Centre ISRO, Mitsubishi Electric India, Delta Power Solutions India Pvt. Ltd., Salesforce, Beijing Wave Spectrum Science & Technology Co. Ltd. China, AWS, PMI, CADD Centre to name a few for various professional endeavors. The University has recently signed MOUs with organizations like Hatch Associates India for Women in STEM, National Technical Research Organisation for a project on cyber security, NHAI, DST, International Skill Development Corporation, Universiti Teknologi Malaysia, Grant Thornton, UAG Mexico, Almaty Management University, and others; for collaborative working arrangement on specific research projects, co-teaching student internships, collaborative research, certification, and training.

The University also offers blended learning on CANVAS Learning Management System (LMS), National Programme on Technology Enhanced Learning (NPTEL) courses, delivered by eminent Professors from IITs and IIMs, UGC MOOCs E-Pathshala, Swayam Prabha, value-added courses, and others.

The School of Professional Attachment at The NorthCap University ensures regular interface and dialogue with the industry for professional enrichment and students' career advancement. Currently, 180+ companies visit our campus to recruit students from the University. Our 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 for the class of 2021 in prestigious companies like Accenture, Andritz Hydro, BYJUS, Capgemini, Cognizant, COWI, CRISIL, Deloitte, Ernst & Young, Escorts, Fidelity International, HSA Legal, IBM, IDFC First Bank, JCB India, Kher & Kher, King Stubb & Kasiva, LIDO Learning, Maruti, Nagarro, NCR Corporation, Newgen, Planet Spark, Plasser India, Protiviti, Ramboll, Real-Time Data Services, Remfry & Sagar, Sapient, TCS, United Health Group-Optum, Zeus Law Associates. Besides placements, a number of our students have gone for higher studies in India, including IITs, and abroad to 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, Finland University amongst others.

The NorthCap University is continuously evolving, achieving new landmarks, and emerging as a digital-first University with digitally empowered students. As a university, we are committed to following environmentally friendly practices and nurturing a student community with a global vision. I congratulate the graduates of 2021, who are now on the threshold of beginning an exciting new phase of their professional life and for becoming alumni of the University. However, at the same time, I want to remind you that the professional world is very competitive, so you need to gear up for the new challenges in life. Look for a bigger purpose in life rather than just making big money. Do things that matter to the common man, provide solutions, and create a product or a service that this society needs. Find your ikagai and make a difference to society. The workplace demands leaders who are driven, inquisitive, insightful, and have clarity regarding what they can bring to the table. Some of you may become entrepreneurs and job creators instead of job seekers. Focus on your physical and mental health by following a disciplined lifestyle. Being our alumni, you will be the brand ambassador of NCU and carry forward its legacy. You can continue to engage as alumni by mentoring your juniors, providing them with career guidance, networking platforms, fundraising, and placements.

I once again congratulate all the degree recipients on completing their degree in their chosen field and showing resilience in these difficult times, and attending the Convocation in physical/ online mode. I express my sincere gratitude towards the Chief Guest and everyone present here for sparing time to be with us on this solemn occasion!

I wish you a very bright future and good health.

Jai Hind!

www.ncuindia.edu

TENTH 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 discussion focused on the National Education Policy 2020, its implementation, and the way forward. During the long day discussions, the following issues were highlighted:

a)   Prepare a Strategic Plan for the University.

b)   To see NCU, featuring in the top 100 in the University and Engineering category and obtain 'A' Grading in NAAC.

c)   Retain best of faculty for a long period of time. Offer them high-quality mentorship.

d)   Increase International affiliations

e)   Give boost to innovation and incubation and encourage students to become entrepreneurs.

f)   Prioritize Digital Education, so as to transfer digital transfer of Knowledge from teachers to students.

g)   Increase diversity in admission of students

Faculty Mentors

Prof. Prem Vrat
BTech. (Hons.), MTech
IIT Kharagpur
PhD-IIT Delhi
Doctor of Engineering
(Honoris Causa)
FNAE, FNASc.,
FWAPS, FISTE, FIIIE
Chief Mentor

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

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
BE, MBA, DSc (Honoris Causa),
FNAE, FIE, FIME, MAIMA
Chairman & Managing Director
Everest Power Private Limited.
Former Chairman & Managing
Director of Gas
Authority of India Ltd.

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. Harsh Vardhan
Professor, SOM
NCU

Prof. S.K Bareja
Professor, SOM
NCU

Prof. C.B. Gupta
Senior Professor, APS

Prof. R.K Singh
Senior Professor and
Dean (Phd, RDIL), CEE,
NCU

THE NORTHCAP UNIVERSITY

Officers of the University

Prof. Swaran Ahuja
Dean (Academics)

Dr. Rekha Vig
Dy. Dean (Academics)
UG

Dr. Shrutimita Mehta
Dy. Dean -
Students' Welfare

Ms Anjali Garg
Dy Dean Exam

Ms Kirti Singhal
Chief Finance &
Accounts Officer

Pankaj Srivastava
Chief Technology
Officer

Ms Deepika Deswal
Dy Manager (HR)

Ms Kiran Mrig
Controller of
Examinations

Dr Sharda Vashisth
Dy Dean
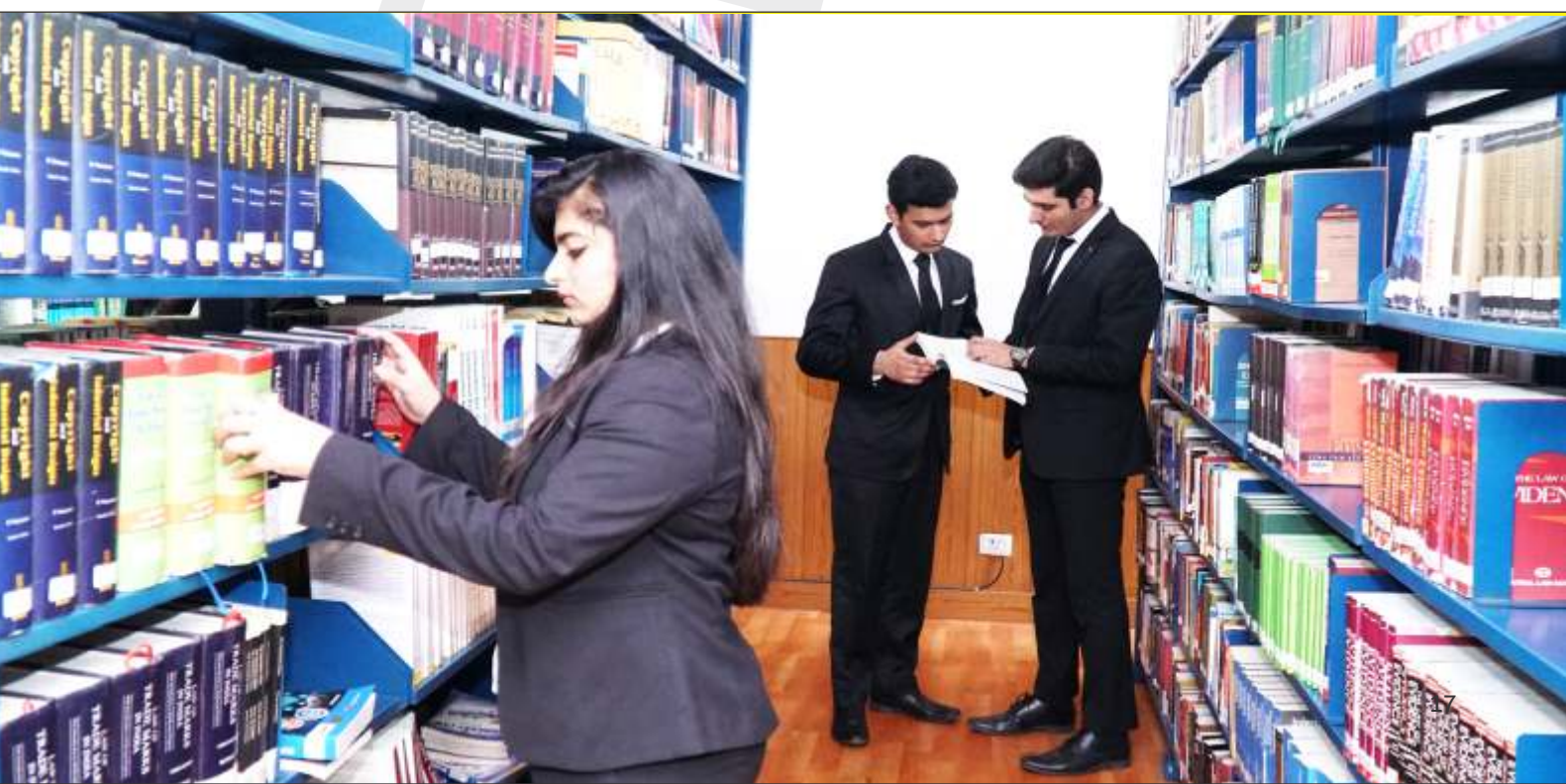(International Affairs)

Dr. Nitin Malik
Dy Dean (PhD)

Mr Sudesh Kumar
Sports Officer

Mr R.S. Sharma
Estate Manager

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 develop the culture of entrepreneurship amongst the students. The University participated in the Atal Ranking of Institutions on Innovation achievements, QS Ranking, and NIRF Ranking wherein we are placed in the Band 'A' (Ranked 6th-25th) by ARIIA; QS 5 Star; among Top 200 Universities (Band 151-200) respectively.

The University established an Institution Innovation Council (IIC) for the calendar year 2019- 20 as per the norms of MHRDs Innovation cell, Govt. of India. New specialization options were introduced in the Computer Science Engineering Dept, which included Full Stack Development., Cyber Security, Internet of Things (IoT) & Cloud Computing, Data Science, Artificial Intelligence, Game Technology, Augmented Reality (AR), and Virtual Reality. In the sphere of Liberal Arts, the University has decided to introduce the Courses in a phased manner which will help develop well-rounded individuals who possess critical 21st-century capacities in fields across Engineering, Management, and Liberal Studies, Law, Applied and Social Sciences. Liberal Education shall be, in the long term, implemented for all UG Programmes, including professional, vocational & technical disciplines. We have also reinforced Industry-Academia

Cooperation at the National and International level by signing a number of collaborations.
Meetings of various statutory bodies have been regularly held during the reporting year, as shown below:

Academic Council	Board of Management	Governing Body
May 08, 2021	February 02, 2021	February 04, 2021
December 14, 2021	July 28, 2021	August 25, 2021
	October 26, 2021	December 2021 (Scheduled)

Accreditations and Statutory Approvals

The NorthCap University was established under the Haryana Private University (Third amendment) Act No 25 of 2009, 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. The Bar Council of India also recognises the University.

- **National Assessment and Accreditation Council (NAAC)** has accredited The NorthCap University for five years vide their Certificate No. EC(SC)/15/A&A/85.1 dated 25 May 2016 from 2016-2021.
- **QS Rating 2021:** The NorthCap University has achieved QS 4 stars overall and a perfect 5-star rating in important 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.
- **Bar Council of India** (BCI) approval for our School of Law has been received for five-year BBA LLB (H) program for the academic year 2020-21, vide BCI Letter No. BCI: D:625/2021(LE/App/Afflin) dated: 12 July 2021.
- **Accreditation Services for International Colleges (ASIC) UK:** A respected international accreditation body for academic institutions worldwide accredited The NorthCap University with 'Premier University' status with 'Commendable' grades for 2016-2020.
- **Association of Indian Universities (AIU):** The University is 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, and research.

District Green Champion Award: NCU has been recognised as District Green Champion for Gurugram District for the Academic Year 2020-21 for establishing the Swachhta Action Plan Committee, adopting and implementing best practices for Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management.

Dean's List of 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.

Recent Initiatives at the University

Board of Management's Initiatives

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.

COVID Emergency Aid for Student Education (CEASE)

In keeping with our 25 years tradition of supporting students in times of distress, NCU has launched a unique initiative offering financial assistance to existing NCU undergraduate and graduate students who have lost an earning parent to COVID-19 in this year. In this direction, NCU has established CEASE (COVID Emergency Aid for Students Education) with a corpus of ₹ 50 lakhs for this purpose. The University has also constituted a committee which will be responsible for reviewing all financial aid applications and finalizing the list of beneficiaries. The benefits of financial grant-in-aid would be rolled out starting from AY21-22 till the recipient students graduate from their existing program.

Free COVID-19 Vaccination Drives for the Staff

The University rolled out free of cost vaccination drives for all including the support staff members in June and September. On completion of the second drive 99% staff with the contracted employees have been vaccinated. The aim was also to create a significant impact towards cubing the spread of COVID-19 pandemic. Our campus is now a "COVID Free Zone".

Major Initiatives taken by the Finance Committee after receiving regular Upgradation proposals:
(During the Reporting Year)

a) Proposal for construction of the state-of-the-art building to accommodate classrooms / workshops with modern seating plan, fully air conditioned — Rs.15 Cr. (approx.)

b) Obtaining QS star Rating and QSIGAUGE Accreditation at a cost of — Rs.40 Lakhs (approx.)

c) Canvas Enhanced HE implementation including canvas cloud subscription. This is an advanced Learning Management System intended to improve the hybrid model of teaching learning. — Rs.36 Lakhs (approx.)

d) Subscribing EBSCO Discovery service — Rs.24 Lakhs (approx.)

e) New LG monitor (296 nos.), 27" replacing the existing monitors of 15" — Rs.4400928 /-

f) IMAC (15 nos.) — Rs.33 Lakhs (approx.)

g) New system (100 nos.) — Rs.79 Lakhs (approx.)

h) Desktop Two Smart Classrooms — Rs.13 Lakhs (approx.)

I) State of the Art Gymnasium — Rs.75 Lakhs (approx.)

Faculty

    Number of new members of faculty who joined during the year   -   27
    Number of members of faculty promoted during the year   -   10

Academic Initiatives

NCU continuously strives to improve the student learning experience by adopting innovative strategies according to market requirements, new initiatives & best practices, and embedding digital technologies support in our teaching-learning processes.

As a few examples, online teaching was introduced seamlessly, immediately on announcement of lockdown, without causing any break in the teaching-learning process. Introduction of new programs and specializations are being done to diversify the portfolio as per market demand and keep pace with new technology developments. Curriculum upgrades have been done for the holistic development of students as per the recently published National Education Policy -2020 (NEP). In line with the global trends and NEP, the digitalization of education has been chosen as a thrust area. An academic collaboration has been entered into with Arizona State University to bring international exposure to our students. Comprehensive student feedback with high participation has been conducted to identify areas of improvement and follow-up actions taken. The focus continues to be on identifying students' aptitude and contemporary teaching pedagogy, including experiential learning, industry exposure, and 'hands-on' project to bridge the gap between classroom and industry. More details about some of the initiatives recently introduced are as follows:

Introducing New Programs and specializations

A new program has been introduced in the Dept of Computer Science and Engineering in SOET. The Dept is already offering 4- year B. Tech (CSE) program to 10+2 students. A 3-year BCA (Bachelor of Computer Applications with specializations in Web development & Gaming and Animation has been introduced to offer a wider choice to students in this sunshine sector. B. A (Hons) in English has also been introduced under Centre for Languages Learning (CLL) from this year, after due approvals.

New specializations have been introduced in SOET and SOM to improve student readiness for future jobs, employment value, and career progression. In SOET, a specialization track of Data Sciences has been added to B.SC (H) Maths program. In SOM, two specializations have been added to BBA programs i.e. Digital Marketing and Business Analytics.

Adoption of Alternative Teaching Pedagogy Online Teaching and Evaluation

Due to the declaration of lockdown and university closure in the third week of March 2020 for teaching, NCU quickly adopted the challenge by seamlessly introducing online classes using a professional online teaching platform Microsoft Teams.

The process of online delivery has continuously been refined with the issue of comprehensive guidelines for the conduct of classes, continuous evaluation, including submission of online assignments, quizzes, surveys, case studies, industry internships, moot courts, project work, etc. Two extensive six-day FDPs (in the summer of 2020 and 2021) focusing on the use of digital technologies for enhancing students' online learning experience have been conducted with experts. For evaluations, a professional examination platform from Mercer Mettl offering AI proctored services and several built-in security features for protecting examination integrity has been used. All examinations and results have been declared in time as per UGC and Haryana Govt guidelines.

However, with the improving situation, the University has started phased reopening as per Govt guidelines. The classes are now being conducted in hybrid mode, with students being encouraged to come to University. Practical classes are being conducted face to face for real hands-on experience, and students also come for doubt clearing sessions. All examinations henceforth are proposed to be conducted offline, offering more flexibility in evaluation methodology and physical proctoring. All Covid related guidelines, including a push to vaccination, are being followed, and student response to visiting University has been good.

Collaboration with Arizona State University (ASU), USA

NCU has entered into academic collaboration with ASU**,** a leading **US** University, to bring international exposure to our students. The collaboration allows NCU to enrich its curriculum with **ASU** content, adopt some of the best teaching pedagogies, access to international faculty for co-teaching, joint research projects, student and faculty exchanges, accelerated Masters's Program at Arizona for NCU students, and many more benefits.

Further, the tripartite collaboration with ASU and Cintana Education LLC has enabled NCU to embrace the vision of India's New Education Policy (NEP) 2020. It not only gives us the license to use the educational assets and content of ASU with Cintana, but it also provides the partnership for strategy and growth. This is a five-year strategic plan and is being adapted to take the University to the next level. This partnership of ours is different from what Cintana and ASU have with other Universities in the world in the nature of its scope, network effects, and commitment of enabling partners. To ensure growth with quality, the partnership is based on four pillars of digital-first, innovation, internationalization, and organizational readiness.

Enhancing Digital Learning Assets-Launch of New Learning Management System (LMS) Platform- CANVAS

One of the key changes we have undertaken is the implementation of our new LMS – Canvas. It is the best class Learning Management System used by Ivy League colleges like Princeton, Yale, etc. We have already implemented Canvas and enrolled all students in their respective courses. It brings a lot of new and exciting features that will help students in their learning journey by delivering dynamic and engaging learning experiences. It is available to students anywhere and anytime. The students can engage with their teachers anytime. It is device-agnostic, so it can be accessed on laptops, desktops, tablets, or mobiles through the internet. Canvas brings everything you need to learn at one place in interactive, easy, and intuitive way.

Enhancing Digital Learning Assets- New High-End Computational Labs

With a focus on digital education and the introduction of many new specializations across all disciplines, new computational labs are being established/upgraded in SOET and SOM. These machines include iMac and i7 machines with state of the art 27-inch displays for viewing comfort. The SOET labs shall provide support for teaching and research in computationally intensive areas like AI, deep learning, and cybersecurity. The labs in SOM shall provide facilities for students to reach high levels of digital literacy and also gain proficiency in commonly needed programming languages like 'R' and Python and certain specialised software used for data analysis.

All the systems in the labs are also being upgraded with 27-inch monitors to increase student efficiency.

Digital Learning Assets- Smart Class Rooms

To optimize the learning and classroom experience of students, The NorthCap University has set up a state-of-the-art, smart classroom. 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. It also enables the faculty to deliver lectures in hybrid mode in a classroom-like environment. The smart classroom is also equipped with smart audio-visual technology like ceiling array microphones that enable camera tracking etc. The use of audio tracking cameras enabled by smart array microphones will ensure the instructor's freedom of movement in a virtual classroom.

To make the learning sessions more interesting, the smart classroom will also offer intuitive, easy, attractive, and visually engaging content illustrations with the help of internet-enabled media content, flow charts, maps, graphs, and more.

Enhancing Digital Learning Assets- Integrated Student Information System for Efficient Academic Management

For enabling students to access all academic services through a single window, the University is in the process of implementing a unified Student information system – Camu by Octoze Technologies Pvt Ltd. Coupled with a mobile application, the students will be able to keep track of their academics, Examinations, Attendance, Fees, Grades, Timetable, Notifications and many other services in real-time. Integration with the Attendance Monitoring System, Time Table, Library System, and the Learning Management System will provide for a fully automated Student Information System catering to all the academic requirements of the students. The system will also provide ancillary services like automated and process-driven repositories for accreditation enabling real-time maintenance and monitoring of all accreditation-related documentation and data. The comprehensive OBE coverage will enable outcome measurement automation enabling timely corrective actions for weaker students and identification of advanced learners. The integrated examination module will automate the examination process for the University offering better services to students.

MOUs with Reputed Institutions for Skill Development/Certifications

For providing beyond the curriculum skills to students in certain specialized areas to take advantage of job opportunities, short skill development certification courses have been introduced across all schools.

To provide support and make these courses truly industry-relevant, MOUs have been signed with several institutions, including Google, CISCO, IBM, ISRO, Entuple, Maruti, CINA, Coding Ninjas, IIT Bombay, AWS Academy, and many others. Hundreds of students have benefitted from these certifications in terms of enhancing their employability.

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Community Service as a Part of Curriculum

As reported last year, Community Service as a subject was integrated in the curriculum of all programs of the University in order to encourage and propel students to engage in social/community outreach activities in line with the National Education Policy (NEP) 2020. Students are expected to contribute a total of 140 hours per student per year serving the community.

The University had several Social Service Clubs and Societies functioning effectively for the past many years, namely Yukti, Enactus, NSS NCU, Rotaract NCU, Legal Aid Clinic. A Committee was constituted in 2020 that initiated several other Clubs and Societies under its aegis to enable students to get more opportunities to serve society.

At present, the University has fifteen Clubs actively involved in performing volunteering services online or limited physical participation. NCU Clubs named Yukti, NSS NCU, Legal Aid Clinic, Rotaract NCU. Chetna, Manovriti, Aashayen, Enactus NCU, IEEE Humanitarian Wing, Sehyog, Udaan, The Awakening Club, NEEV, EWB Social Service Wing, and Prayaas are committed to serve the weaker sections of the society.

Several Events and Projects have been organized by the Clubs functioning under the Community Service Committee like Club Yukti conducted a three-month-old Campaign-'Remove Green Guilt' promoting the UN Sustainability Goal to help save the environment, and conducted activities like Revamp Plastic and Creating Plastic Eco Bricks. NSS organized Paper Bag making competition and Darpan-A Poster Making Competition for celebrating Girl Child Day, 'Project Swasthaya' was organized by Chetna Club in which the Club organized a series of health awareness webinars for all. During the trying pandemic waves, many Plasma Donation and Blood Donation information was provided and volunteering groups were created where students got together to help those in need. Several cleanliness drives, mental and physical health awareness drives, legal aid camps were also conducted throughout the year.

Setting up of Institution Innovation Council (IIC)

The University has set up the Institution Innovation Council (IIC) as per MHRD guidelines to promote the culture of innovation, entrepreneurship, and start-ups. The council is actively organizing various activities, including webinars, workshops, interactive sessions, etc., regularly to spread this culture on the campus in association and as per various Govt Schemes/industries. This initiative shall give impetus to motivating, orienting, and supporting budding entrepreneurs to nurture their nascent ideas through the Incubation centre at NCU and provide a path for these young entrepreneurial minds to venture into their own start-ups.

Applying and Qualifying for QS Star Rating

The NorthCap University achieved QS 4 stars overall and a perfect 5-star rating in important 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. This rating is a recognition of our continuous efforts towards achieving academic excellence and opens up many new international avenues of employment and higher studies abroad for our students. Institutes with QS stars are mentioned on topuniversities.com, and this website has 75 million visitors every year, and out of these, 17 million users are from India. It will allow the visibility of our institution on a global platform.

Orientation and Induction Program for newly admitted students

The Orientation and Induction programs for the newly admitted students were held from September 1, 2021, to September 30, 2021. Due to the spread-out duration of the admission process for the academic year 2021-22, the induction program was planned for a longer period this year with the aim to allow new entrants to adapt to the University environment with ease. The students transitioning from schools to the university environment needed a detailed introduction to the various processes and infrastructure of the University and multiple sessions with mentors to know them better, which would build their confidence level about The NorthCap University. This month-long program consisted of a mix of on-campus, online university-level, and department-level activities. During this period, the students were engaged with some online activities/online courses/motivational Ted-talks/movies, etc. Each Department/School prepared a separate schedule to engage the students. The high light of the induction program was a 'Masterclass Series' of lectures on various topics by a galaxy of experts like Mrs. Gyan Sudha Misra, Hon'ble Justice (Retd) Supreme Court of India, Mr. Deepak Vohra, Former Diplomat, Mrs. Shoma Chaudhary, Journalist, Editor, and Political Commentator, Lt Gen I S Singha AVSM, VSM (Retd.), Dr. Subramanyam Swamy, Member Parliament, Rajya Sabha to name a few.

The orientation and induction program was very well received by students.

Research Promotion

The University has a strong focus on quality research promotion and creating the right environment at the campus for this. The University adopts a multi-pronged approach as follows to realize these objectives:

Ph.D Programs

More than 120 research scholars are pursuing their doctoral research at NCU in various domains with a consistent intake of 25-30 scholars every year. The scholars are being guided by senior faculty with an established track record and supplemented by expert guidance from reputed Universities like IITs, NITs, DTU, NPL, TIFR, and so on. Outstanding scholars pursuing full-time research are supported with University Fellowships.

The scholars are publishing their research work in peer-reviewed, reputed indexed international journals and about 15-20 scholars being awarded Ph.D. every year is a testimony to this.

Total Publications (2021)
January 2021-November 2021

Publications	Number
Journal Research Papers	108
Conference Proceedings	20
Books	01
Book Chapters	28
Total Publications	**157**

Publications	Number
International	138
National	19
Total	**157**
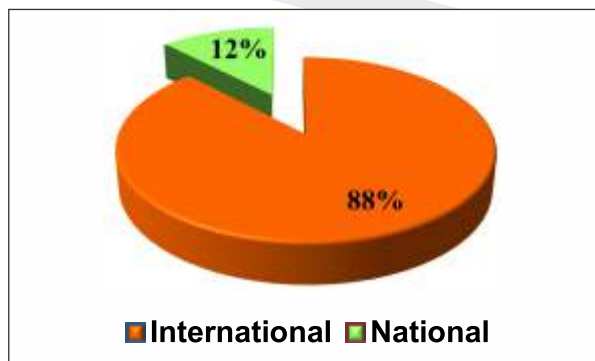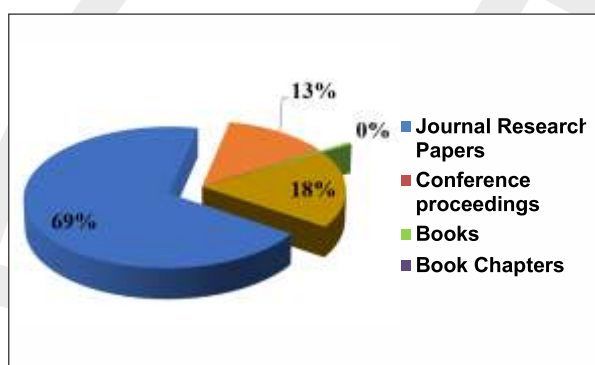
(Details at the end of the Report)

Sponsored Research Projects

The University also encourages faculty to work on sponsored projects of social and national importance. Even during these difficult times of limited interactions, NCU has bagged the following research projects.

i)Project from **ICSSR**, Ministry of Education, Government of India

The Indian Council of Social Science Research (ICSSR) under the Ministry of Education has sanctioned a grant-in-aid of Rupees Three Lakh for a research project entitled "The Plight of Migrant Labourers during the Covid 19 Pandemic in Delhi – A Socio-Legal Study" to Prof. Manjula Batra, Professor of Law.

ii) Project from ISRTAC, ISRO, Govt of India

Demonstration of the time and frequency transfer capability of the NavIC system using the carrier phase technique at the level of 100-200 ps and frequency transfer of a few parts in 1015 over one day. The success of this work will be of great importance in demonstrating the ultimate timing capability of the NavIC constellation. It will also result in the up-gradation of the link between the IRNWT (Bylalu), IRNWT (Lucknow), and UTC (NPLI). The project has funding of Rs 5 Lacs and is being done by Dr. Sharda Vashsith from EECE Dept.

International Research Conferences

To build up the ecosystem for enhancing research activities, NCU organizes research conferences from time to time. Two such prestigious international conferences organized recently are as follows:

Department of Computer Science & Engineering, The NorthCap University, Gurugram, organized the *"International Conference on Cyber Security and Digital Forensics (ICCSDF 2021)"* on 3rd-4th April 2021, in virtual mode. A large pool of entries were received from all across India. All accepted papers will be published by Springer in the book series "Lecture Notes on Data Engineering and Communications Technologies" (Scopus Indexed). The tracks of the conference included the topics like Cryptology and its Applications, Cyber Security and Digital Forensics, Network and Mobile Security, and Blockchain and Software Technologies.

Dr. Gulshan Rai**,** Former National Cyber Security Coordinator at the Prime Minister Office, Government of India, was invited as our Honourable Chief Guest to grace the occasion.

The School of Management and Liberal Studies organized the Second International Conference (NIC' 2021) on *"Resilience For Sustainability: Revisiting Management Practices and Strategizing For The Future"* (Virtual Conference) on March 26, 2021. The conference was organised in association with the University of the Fraser Valley, Canada; Nnamdi Azikiwe University, Awka, Nigeria and Debre Tabor University, Ethiopia, sponsored by Med24.

The Chief Guest for the inaugural session was Dr. M.S. Shyam Sunder, Adviser, NAAC (National Assessment and Accreditation Council), and Guest of Honor was Col. B. Venkat- Director, FDC, AICTE.

Other Teaching Learning Initiatives

The University is constantly engaged in taking steps for improving teaching-learning processes. Some of these are:

1. Upgradation of Schemes of Studies of various UG programs like BBA, B. Com, BA (Economics) Hons, B.A (Psychology) Hons etc. to align them with emerging market needs
2. In line with NEP -2020, the introduction of more liberal courses in the curriculum through open electives encouraging multidisciplinary education and taking education from pure 'STEM' (Science, Technology, Engineering & Maths) to 'STEAM' (Science, Technology, Engineering, Arts & Maths) to imbibe more creative thinking in students as well as sensitizing them towards societal issues.
3. Improving practical content in curriculum by introducing more practical components such as field visits, guest lectures, case studies, moot courts and workshops, mini-projects, etc., and evaluation through mandatory short reports, tests/ quizzes, viva, etc. post activity to test learning outcomes.
4. Introduction of skill-based courses across all disciplines for enhancing employability in collaboration with industry
5. Gamification of the teaching-learning process for better student engagement and enhancing learning levels.
6. It improved LMS design following some of the global best practices for the process like adding voice in ppts, videos, discussion forums, short quizzes, regular feedback, etc.
7. Online assignments, project reports, research papers submissions with mandatory plagiarism check
8. Encouraging self-directed learning through credit transfer of MOOC courses from approved portals like Swayam, NPTEL, Coursera, etc.
9. Focus on paid internships and live industry projects for students to give exposure to real-world problems.
10. Upgrading library with more e-resources for online access to students and so on 'Growth with Quality' being the vision of the University, continuous efforts towards achieving academic excellence is a way of life at NCU.

Inauguration of Smart Class Rooms

Provides hands on support on different emerging areas such as IoT, Big data, Cloud Computing, Robotics etc. to students working in this lab on different projects. Approximately, 450 projects were made in the Tinkering lab in the last semester and almost 400 students of the CSE, ECE, Mechanical and the Civil Departments made electronics based and mechanical projects using electronic circuits, Arduino boards, other micro-controllers, different types of sensors, motors, ICs and control circuit modules. Some of the projects on which students have worked in the Tinkering lab are Earthquake resistance building, Drone delivery system, Smart classroom with automatic room lock and light on-off system, Gesture controlled car, Automatic smart car parking system, Automatic hand wash tap and many more.

Thought Lab

The Thought Lab was established to help students overcome anxiety, stress, fear and help them develop positive attitude towards life. Regular practice of meditation reduces the level of lactic acid in the body, which helps us in releasing tension. Thought lab helps us to check the quality of thoughts of our students and the society at large. We conduct regular activities, volunteer classes and open electives under Thought Lab.

NAVIC LAB

NavIC Lab was inaugurated on 1 May 2018 by Dr Nilesh M Desai, Deputy Director, SAC-ISRO, Ahmedabad and Dr G Raju, Former Project Director, Megha-Tropiques, ISRO, presently Visiting Professor, Jain University, Bangalore. The data from IRNSS satellites is recorded 24*7 and after analyzing it is sent to SA-ISRO, Ahmedabad on weekly basis. Research work on the following topics is planned in NavIC Lab:

• IRNSS Disciplined Oscillator
• Common view time transfer
• Positioning accuracy using IRNSS
• Time Synchronization technology using IRNSS
• Study of ionosphere using IRNSS
• Difference in positioning accuracy with and without 7th satellite IRNSS-1I.

CISCO NETWORKING LAB

Cisco Networking Academy in NCU was setup in January 2014. The main objective of this academy is to meet the growing demands for ICT Professionals and to improve the career prospects of students.

The Cisco networking programme aims to inculcate networking and IT skills in students who want to expand their IT knowledge and become industry ready.

Memorandum of Understanding

Academic Collaborations

	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.
	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.
	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.
	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.
	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.
	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.
	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.
	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.
	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.
	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.

	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.
	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.
	Chartered Institute of Arbitrators (India): Students from the School of Law would benefit a great deal by this tie-up with CIArB. 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.
	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.
	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
	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.
	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.
	National Assessment and Accreditation Council (NAAC): The University has been accredited by NAAC for a period of five years from 25 May 2016.
	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.
	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.
	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.
	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.

Industry Collaborations

	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.
	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.
	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.
	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.
	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.
	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.
	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.
	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.

Other Initiatives

Parent Information System
The University has started a Parent Information System which keeps the parents informed about the progress of their wards. A portal has been set up that provides information on the academic progress and other achievements/activities of students, including extra and co-curricular activities. Corrective actions, if required, can be taken in consultation with the faculty. Parents have been informed of this facility through SMS, website, etc.

Student E-Portfolio Generation
An E-portfolio is a unique initiative of the University to identify students' interests in the first year itself and encourage them to develop these areas. Students shall continue to develop this portfolio during their stay at NCU and record their achievements and rewards using multimedia to showcase their portfolio to potential employers for enhanced employability. It will work as a complete repository for a student's resumé along with all her/his academic documents, which can be kept by the student for future reference purposes also. This activity is being coordinated and overseen by Student Mentors in association with SPA. 1st Year students were initiated into the preparation of their E-portfolio during the induction program.

Office of International Relationship
To increase diversity on the campus and to attract the best talent, the University has come up with several Partnership Agreements with foreign universities. To facilitate students who want to study abroad and for student and faculty exchange, an Office of International Relationship has been established this year. The major activities of this Office of International Relationship include:
- Facilitating students in getting admission abroad.
- Collaborating in exchange with faculty members.
- Organizing seminars and conferences.

CSE Students win Deloitte TechnoUtsav3.0
Team Technocrats from the Computer Sciences and Engineering Department, comprising students Nishant Khatri (Team Leader), Prabal Goyal, and Prakhar Bhatnagar (All final year CSE students), have been declared Tech E Theme champion for the IoT domain at the Deloitte Technoutsav 3.0. In addition to earning prize money of ₹ 75,000/- all the three students have received pre-placement offers from Deloitte USA. The team worked in the IoT domain for the Life Sciences and Healthcare Industry.

Visit by ISRO scientists to NCU.
Four Scientists (Dr. V. K. Chowdhary. Dr. Shahana, Dr. Kirti & Dr. Akash) from the Indian Space Research Organisation (ISRO) visited The NorthCap University on 23 December 2019 regarding collaboration for Vikram Sarabhai Centenary Programme. They met the Honorable Vice-Chancellor for discussions related to a forthcoming program organized at the NCU campus. The proposal regarding the events has been discussed with the NCU team, including the HOD and faculty members of the CSE department. The team from ISRO was then taken around the campus and shown the various facilities available for the students.

Workshop on Python for "Data Science" for NTRO officials 16-20 December 2019
The NorthCap University conducted "Five Days Training on Python for Data Science" for NTRO officials from 16 to 20 December 2019. Major General Sandeep Sharma, Head of Centre for Cyber Research at NTRO, and senior officials, Mrs. Parmeshwari Mukherjee and Mr. Vinod Joshi from NTRO were a part of the Inaugural and Valedictory ceremony. Dr. Kavita Khanna, Dr. Rita Chhikara, Ms. Shaskhi Sharma, and Ms. Shrishti were the resource persons for "Python for Data Science." Dr. Jyotika Pruthi also conducted a few sessions on Design Thinking. The officials appreciated the training greatly and were keen to take the association with The NorthCap University forward.

NCU student gets admission in Stanford University, USA
Pranav Jain, a 2019 pass-out batch student with exceptionally good technical skills, has been admitted to a Master's Degree in Computer Science at Stanford University, USA. While at the University, he has won a stipend worth US$96,000 for his project at the International Internship program organized by Google. He has been working as a Senior System Software Engineer at NVIDIA since July 2017.

Faculty Development and Upskilling

Faculty Development and Upskilling is a continuous process at NCU to keep pace and stay ahead of ever-changing technology and market needs. Faculty requires to be trained in new technology areas like artificial intelligence, cloud computing, cyber security, internet of things, augmented / virtual reality, smart cities, digital marketing, and so on to meet the emerging teaching resources requirements. Several FDPs have been conducted by in-house senior faculty and external experts to prepare faculty to effectively teach these courses. Some major ones are as follows:

Faculty Development Program on "New Digitally Enhanced Education 2.0"

The six-day Faculty Development Program was designed from July 5 to 12, 2021 to make our educators advanced and skilled in technological and pedagogical aspects of hybrid teaching and work towards making NCU "Digital First University." The objectives were to enhance the teaching-learning pedagogy through online courses, sessions, workshops, and competitions and to create awareness on

- Different course design strategies.
- Hybrid Teaching in the teaching-learning pedagogy
- Strategies for engaging and motivating students in different online learning scenarios.
- Effective assessments and evaluations to conduct formative and summative assessments.
- Creating curiosity through Design Thinking.
- Stress Management.

The FDP was conducted by experienced and eminent experts from India, USA and a few other countries.

AICTE Funded National Level FDPs.

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" was conducted from July 19 -23, 2021. The FDP received an overwhelming response with 150 participants from various institutions across India. FDP provided an experiential exposure in emerging areas of Computer Vision and Natural Language Processing. Dr. Bimlesh Wadhaw(Keynote speaker, Assistant Dean, National University of Singapore) inaugurated the FDP.

A 5-day AICTE approved the online Faculty Development Program (FDP) on "How to Exploit (Secure) Web Applications" was conducted from 26th – 30th July 2021. The FDP disseminated the importance of Web Security among 200 participants, including Academicians, Research scholars, and Industry Professionals across the country.CSE Dept conducted both these FDPs. In addition, the faculty are also encouraged to complete certification courses on various online national/international portals; conduct online seminars, workshops, and guest lectures.

Faculty Recognitions and Awards

The Great Indian Teachers Award to Prof Prem Vrat, Pro-Chancellor; Professor of Eminence and Chief Mentor, NCU

LEAD global summit convened and curated Professor Prem Vrat, Pro-Vice-Chancellor, NCU as Guest of Honour and acknowledged his Life Time Contribution to Higher Education and Leadership by conferring the prestigious GITA Award 2021. Prof. Vrat was the Guest of Honour and was conferred with The Great Indian Teachers Award (GITA) in the Lead Global Conclave 2021 on Saturday, 04 Sep 2021 at India International Centre New Delhi. He also addressed the Conclave, on the theme "India@75- Preparing for New Education Policy: Road Map for vision and action".

Atmaram Puraskar

Central Institute of Hindi, Agra has Honored Professor Prem Vrat, ProChancellor, The NorthCap University by Atmaraam Puraskar for the year 2018. Beside certificate, this award includes cash prize of 5 lakh rupees.

Prof. Ram Karan Singh has been awarded with prestigious I20R National Elite Teacher Award 2021, instituted by International Institute of Organized Research which is a registered MSME with the Ministry of Micro, Small and Medium Enterprises, Government of India and is advocating United Nation's Sustainable Development Goals through Academic and Research Programs for API and Career Advancement Scheme.

Prof. Ram Karan Singh

Dr. Pankaj Agarwal, Professor in the Department of Computer Science and Engineering has been conferred with an Australian patent 'An impaired voice correction device and its method thereof' in August 2021.

Dr. Pankaj Agarwal,

Independence Day

The University celebrated the 75th year of India's Independence on the theme "Azadi ka Amrut Mahotsav" carrying forward the initiative of the Government of India to celebrate and commemorate 75 years of progressive India, its people, culture, and milestones.

Teachers Day Celebration 2021

NCU planned an outdoor event on September 4, 2021, to rejuvenate and uplift the spirit of faculty and staff members in NCU playgrounds to celebrate the spirit of Teacher's Day. The student volunteers of Club-Run-a-thonia organized the event under the Faculty Co-ordinators-Dr Mehak, Dr. Hitesh, Mr. Sudesh-Sports Incharge, and the overall facilitation by HR. Various fun activities are planned like track run, Zumba, and team games, followed by Souvenir distribution and refreshments at NCU Cafeteria.

Women's Day 2021

Women's Day is celebrated on March 6, 2021, to show respect to womanhood and acknowledge the contribution of women in all spheres of life. NCU organized a health camp to raise awareness on lifestyle diseases in association with SAR Diagnostics at NCU Campus. This was followed by fun games and high tea for all the participants.

Event on World Environment Day

On World Environment Day, Community Services Clubs organized several events and drives on the Theme of environmental conservation and ecosystem restoration on June 5, 2021. Participants were invited to write an article, a poem, a slogan, or a poster to represent themselves. Also, a cleanliness drive was organized from 2-5 June 2021. In this, students had cleaned the areas around their homes while maintaining social distancing and wore face masks/shields to ensure safety.

NCU Law Review

The NCU Law Review, (ISSN 2581-7124), a peer-reviewed biannual academic publication of the Centre of Post Graduate Legal Studies (CPGLS), School of Law, NCU. This publication is an endeavor to foster research and serves as a forum for promoting and circulating views on contemporary legal issues among members of the legal profession, academicians, and students. The Law Review aims at legal research centers, policymakers, and government organizations. This year in the month of October 2021, NCU Law Review Vol.2, Issue 1 (June 2019) has been published in which both National and International authors contributed.

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NCU LAW REVIEW
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Medical and Health Facilities

NCU has always been concerned with the health and well-being of its students, staff, and other stakeholders. To ensure the same, we have organized total 6 events including 2 vaccination drives this year. It includes Diabetics Camps, Camps on Blood Sugar Test, Vision Checkups, HIV AIDS, Vaccination Drives, etc.

Vaccination Drives: We conducted a successful Covid-19 vaccination drive in partnership with Columbia Asia Hospital, Gurugram. It was at the campus for all its staff members, including their immediate family members living with them on June 10, and September 03, 2021. The vaccination was provided free of cost for all on a first-come, first-serve basis. Such a vaccination roll-out strategy of the University is a welcome step toward its preparedness to remove the risk of people's health and eventually bring faculty, students, and staff back on campus.

Student Activities & Achievements

Professional Societies Events
IEEE RAS
Webinar on "Self-Driving Car Safety"
A webinar on "Self-Driving Car Safety" was organized on November 17, 2020by the IEEE RAS chapter under faculty coordinator Dr. Sharda Vashisth's guidance and student coordinator Divyam Sachdeva. Ms. Palak Talwar, a Senior Safety Engineer at Lyft was the chief spokesperson.

"Robotics and AI for Industrial Automation" Webinar
A Webinar "Robotics and AI for Industrial Automation" was organized on November 7, 2020, by the IEEE RAS chapter under faculty coordinator Dr. Sharda Vashisth and Student coordinator Divyam Sachdeva. Mr. Sulabh Kumra, Team Lead, and Roboticist at Osaro, was the speake for the session.

Webinar on Democratization of Space
A Webinar "Democratization of space: Emerging Nations Joining the Space Race" was organized on February 23, 2021, by the IEEE RAS chapter under the guidance of Chapter Advisor Dr. Sharda Vashisth and Student coordinator Divyam Sachdeva. The speaker for the webinar, Paul J. Kostek, Advisory systems Engineer with Base 2 solutions., is a consulting firm in Bellevue, Washington.

Webinar on Chandrayan 2
A Webinar on "Chandrayan-2" was organized on February 10, 2021, by the IEEE RAS chapter under Chapter Advisor Dr. Sharda Vashisth and Student coordinator Divyam Sachdeva. Mr. B N Ramakrishna, Deputy Director, Spacecraft Operations Area, ISTRAC, ISRO, gave insights on Chandrayan -2.

Workshop on "Gesture Controlled Robotic Car"
The IEEE RAS chapter organized a workshop on "Gesture Controlled Robotic Car" on March 25 and April 1, 2021. Chapter Advisor Dr. Sharda Vashisth guided the student coordinators Divyam Sachdeva and Ipshita Datta, and Faculty Coordinators Dr. Pankaj Rakheja and Dr. Pooja Sabherwal.

Applied Robotics and Machine Learning Webinar
A webinar on "Applied Robotics and Machine Learning" was organized on July 15, 2021, by IEEE RAS NCU Student Chapter and IEEE RAS École Supérieure Des Sciences et de la Technologie de Hammam Sousse, Tunisia SB, under the guidance of Chapter advisor Dr. Sharda Vashisth and Student Chairperson Ipshita Datta. The speaker for the webinar was Ali Mahroof, AI & IoT Solutions Architect at Neoito and Founder at Tensorbot Innovations Private Limited in Thiruvananthapuram Area, India.

Rethink Robotics Webinar
A webinar on "Rethink Robotics" in collaboration with Al-Safwa College, Egypt, was organized on July 20, 2021 by the IEEE RAS chapter under the guidance of Chapter Advisor Dr. Sharda Vashisth and Student Chairperson Ipshita Datta. Mr. Florian Nadolny, a graduate from the University of Applied Sciences, Aschaffenburg,Jessica Reusing, Mr. Dennis Trap Application Engineer/Formation, and Mr. Hannes Gruschiniski were the speakers.

SPIE
Road to Software Development Session
EECE Department organized a session on Road to Software Development for 2nd,3rd, and 4th-year students of SOET/SOL/SOM by Mr. Shiveen and Mr. Arjun Sehrawat on January 7, and 23, 2021. The session's objective was to prepare the students for their placements in Nagarro and Fidelity, respectively. Dr. Anjali Garg and Ms. Amanpreet Kaur coordinated the event.

Session on Personal Interviews
EECE department organized a session on Personal Interviews for 2nd,3rd and 4th-year students of SOET/SOL/SOM by Mr. Ravi Manoram under SPIE Society in association with TIMES Group on January 28, 2021. Dr. Anjali Garg and Ms. Amanpreet Kaur coordinated the event.

IEI

Workshop on 'Tinker with Arduino'

ECE chapter of IEI society conducted an online Workshop on 'Tinker with Arduino' on November 27, 2020. Dr. Vandana Khanna as a speaker, started the session with the basics of the Arduino board and its coding in Arduino IDE. Then she moved on to the Tinkercad platform for a hands-on session of interfacing various sensors, display devices, etc.

Workshop on Cadence ASIC Design Flow

A Cadence ASIC Design Flow workshop was conducted at The NorthCap University, Gurugram, on 2nd & 4th February 2021. Mr. Nitten Kumar, Entuple Technologies, gave training on the ASIC Design Flow using Cadence Design Tools (Incisive, Genus, and Innovus) and covered RTL Design, Functional Simulations, Synthesis, Physical Design, Verification, and Post- Layout Simulation. Dr. Vandana Khanna organized training under the guidance of Dr. Sharda Vashisth.

Competition on Collage-Making

A collage-making competition was organized by the EECE students' chapter of IEI professional society on March 5, 2021. The Theme of the collage-making was the highlights/events of the IEI chapter conducted over the years. Participating students were awarded certificates of participation, and winner collages were displayed on the notice boards.
Series of Lectures on Functional Verification

EECE Department organized a Module (Series of five lectures) on 'Functional Verification using System Verilog' from a VLSI industry expert in April and May 2021. The speaker was Mr. Shankar Arora, our M.Tech alumnus, working as a research and development engineer in one of the reputed VLSI industries. Dr. Vandana Khanna coordinated the event under the expert guidance of Dr. Sharda Vashisth.

Engineer's Day Quiz

A quiz was arranged on Engineer's Day, September 15, 2021, by the EECE students' chapter of IEI professional society based on aptitude and technical questions. Students' core team of the IEI chapter, under the guidance of faculty advisor- Dr. Vandana Khanna, coordinated the event.

Session on Goal Clarity

EECE Student's Chapter of IEI organized a session on 'Goal clarity after B.Tech' associated with the TIMES group on September 29, 2021. The Speaker was Ms. Tarannum Naseem Raza, professional career counsellor; the session was coordinated by the students' core team of the IEI chapter under the guidance of Dr. Anjali Garg and faculty advisor- Dr. Vandana Khanna.

Sapient Club
Talent Hunt

The Sapient Club also organized a talent hunt event during the online momentum, it consisted of 2 rounds on November 6, 2020, and 20 students participated. The Team of the sapient Club coordinated the event under the guidance of Dr. Pooja Sabherwal (Faculty Coordinator, The Sapient Club) and Dr. Sharda Vashisth (HoD, EECE Dept).

Plantation Drive

The Sapient Club conducted the plantation drive on November 21, 2020. The Club members planted 100 saplings as a small contribution to help control the degrading air quality of the city. The Team of the sapient Club coordinated the event under the guidance of Dr. Pooja Sabherwal (Faculty Coordinator, The Sapient Club) and Dr. Sharda Vashisth (HoD EECE Dept).

Placement Preparation Series

EECE Department and The Sapient Club started a Placement Preparation Series and organized the "Blueprint to reach your goals" webinar. The webinar took place on January 30 and February 4, and 13th 2021 on Microsoft Teams, under the guidance of Dr.Anjali Garg and Dr.Pooja Sabharwal. The speaker for the event was Mr. Divyam Sachdeva, an awardee of VC innovation fund, an Analyst with Capgemini, and Ms. Anisha Katyal and Ms. Nishita Yadav, respectively.

Webinar on "Recent Trends on Factory Automation"

On June 17, 2021, the Sapient Club organized a webinar on "Recent Trends on Factory Automation." The speaker Ms. Esha Varshney, skilled in Engineering, Process Automation, SCADA, Human Machine Interface VFD, and Servo Microsoft Excel, shared her experience as an Automation Trainer & Project Engineer in power water treatment, crushing & mining industries with our attendees. This event was conducted under the guidance of Dr. Pooja Sabharwal and Dr. Anjali Garg from the EECE Department.

Funds Collected for Animals Feeding

The Sapient Club of The NorthCap University, in collaboration with the Pet Animal Welfare Society (PAWS), started an initiative to feed animals on August 13 -16, 2021. A total of Rs.3500 was collected, and the core team of sapient Club personally went down to PAWS and made the donation. This event was conducted under the guidance of Dr. Pooja Sabharwal.

Webinar on Introduction to Logic Families

On August 21, 2021, the Sapient Club organized a Webinar on Introduction to Logic Families. The speaker for the event was Mr. Shankar Arora, MTech Alumni of Research and Development Engineer, EECE department, batch 2012-14. The session was very informative and was coordinated by The Sapient Club team under the guidance of Dr. Pooja Sabharwal (Faculty Coordinator, The Sapient Club)

Bootcamp for Choosing a Specialization

The Sapient Club, NCU, and the EECE Department organized Bootcamp for choosing a specialization with experienced industry leaders. Mr. Siddharth Bhatia, an Embedded Software Developer in Australian startup Village Energy and Mr. Devendra Khari, a Sr. Engineering Manager in Agnisys Technology, were the speakers. The Sapient Club team coordinated the session under the guidance of Dr. Pooja Sabherwal (Faculty Coordinator, The Sapient Club) and Prof. Sharda Vashisth (HoD EECE Dept).

LinkedIn Social Impact Mentoring Session

Sapient Club conducted an exclusive program wherein expert coaches from LinkedIn coached and delivered a one-hour Career & counselling session for the students. It was a cost-free program, designed only for 3rd and 4th Year students of all departments. The first coach was Mr. Rahul Rajput, a project lead for IBM Open P-tech. The second mentor was Ms.Roopa Tanti, the founder, and CEO of IndiaSparks, Bollymirchi.com, and appOye.The Sapient Club team coordinated the event under Dr. Pooja Sabherwal and Prof. Sharda Vashisth.

Researchers Club

Webinar on the Topic "Optical Wireless Communication."

The Researchers' Club organized a webinar on "Optical Wireless Communication" on November 26, 2020, under Faculty coordinator Dr. Mona Aggarwal and Student coordinator Mayank Sharma. Dr. Ram Sharma, An EECE Deptt Alumni, was the distinguished speaker of the webinar. He is an expert in the areas of visible light communication, indoor optical wireless communications.

Webinar on Satellite Navigation

The Researchers' Club organized a Webinar on "Satellite Navigation – An Indian Perspective" on December 8, 2020, under the guidance of faculty coordinator Dr. Mona Aggarwal and Student coordinator Mayank Sharma. Shri T. Subramanya Ganesh, Deputy General Manager of the ISRO Navigation Centre, was the distinguished speaker of the webinar.

Workshop on Basics of Electric Vehicle Technology

The EECE Dept organized a workshop on the topic "Basics of Electric Vehicle Technology" under the banner of the Researchers' Club on March 20, 2021. Esmito solutions Ltd. provided the training, and various industry experts delivered the sessions. Faculty Coordinators were Dr. Anjali Garg and Dr. Mona Agarwal

"Machine Learning with MATLAB"

A webinar on the topic "Machine Learning with MATLAB" was organized by Researchers Club on August 26, 2021. The webinar's Speaker was Mr. Suraj Gawande, an expert from Mathworks.

Effective Altruism Club
Workshop on MATLAB

The Team Effective Altruism of the EECE Department conducted a Workshop on Deep Learning and Machine Learning through MATLAB on Friday, November 27, 2020. Dr. Souvick Chatterjee, an Education Technical Evangelist at MathWorks, was the speaker. The event was coordinated by Faculty, Ms.Amanpreet Kaur and student coordinators Aviral Verma, Ankit Gupta, Harshika Hooda, Prakhar Dikshit, Shreya Surekha, Shivani, Uday Dikshit, Mansi Kaushik.

Gaming Tournament on COD

Mobile Team Effective Altruism organized a Gaming Tournament on COD Mobile on November 25, 2020. The event was coordinated by Faculty, Ms. Amanpreet Kaur and student coordinators Aviral Verma, Ankit Gupta, Harshika Hooda, Prakhar Dikshit, Shreya Surekha, Shivani, Uday Dikshit, Mansi Kaushik

"INSYNC" Gaming

Tournament Effective Altruism Club organized a gaming tournament, the "INSYNC," from April 19-20, 2021. There were 12 teams from each game and a lot of solo players. Each team has five players. Each winning team was be awarded Rs. 2000/- and a certificate.

Creator Garage Club
Webinar on Introduction to AI & ML

The Creator's Garage Club organized a Webinar on Introduction to AI & ML On Google Cloud on November 27, 2020, on Google Meet. Mr. Llias Papachristos, a Google cloud Architect & Data Analyst, was the speaker.

Bootcamp: Learn and Crack Interviews

The "C Bootcamp: Learn and crack interviews" was organized from July 28, 2021, to August 8, 2021, by Creator's Garage. This 12-day long Bootcamp had 11 speakers who conducted 1-1.5 hours sessions on C language and conducted quizzes. The Speakers Muneesh, Arup, Pulkit, Sumit, Eeshna Jaiswal, Dr. Prachi, Yogesh, had covered all the topics through presentations and transcript.

An Evening with IoT

Webinar, "An Evening with IoT," was organized on August 10, 2021, by Creator's Garage on Google Meet. It talked about IoT and its future outlook. Our Speaker, Vikrant Thakur, covered various insights about the interconnected bond of Embedded Systems & IoT and acquainted our participants with IoT and its vertical sectors, Sensors, Scope of R&D technologies.

Talk Show "Interview Charcha"

A Talk Show "Interview Charcha" was conducted on August 8, 2021, by Creator's Garage on google meet. The speaker for the talk show was from the USA, Abhishek Ranjan (working in company stem Inc, Software engineer) and Mohita Kaushik (Working in company CI&T, Java developer)

Chetna Club
Brainstorming for Social Initiatives

Chetna Club at The NorthCap University conducted its first interactive session, "Brainstorming for Social Initiatives," on December 25, 2020. The event was coordinated by Dr. Vandana Khanna (faculty coordinator of Chetna Club) and student coordinators of the Club. The mentors Mr. Manish Kumar Singh, Dr. K D Joshi, and Dr. (Mrs) Kamlesh Joshi, guided all the students to contribute to the service of mankind.

Tree Plantation Drive by Chetna Club

The Chetna Club of NorthCap University had organized a Tree plantation Drive on Saturday, February 13, 2021. In this, all the participants had to reach the campus itself before starting with the Drive. Mentors of Chetna Club - Dr. K D Joshi, Dr. Kamlesh Joshi, and Mr. Hemant Pandey enlightened and inspired students to do these activities more often. After the Tree Plantation, all the participants went to a nearby Cow Shelter to feed the cows and look at how life is without the excessive use of technology. Dr. Vandana Khanna organized the event.

Training Session on Springer Nature Journals

The Library at The NorthCap University has taken a subscription of e-journals from Springer Nature -5 subject collection: Physics, Chemistry, Mathematics, Computer Science, and Engineering. Subscription of this online database covers all major domains of SOET and Applied Sciences. Regarding the same, online training was conducted on January 8, 2021. This online training session was organized and coordinated by Dr. Vandana Khanna, Chairperson-Library Sub-committee. This e-journals collection shall be useful for faculty members, research scholars, and PG and UG students aiming for quality research work and publication.
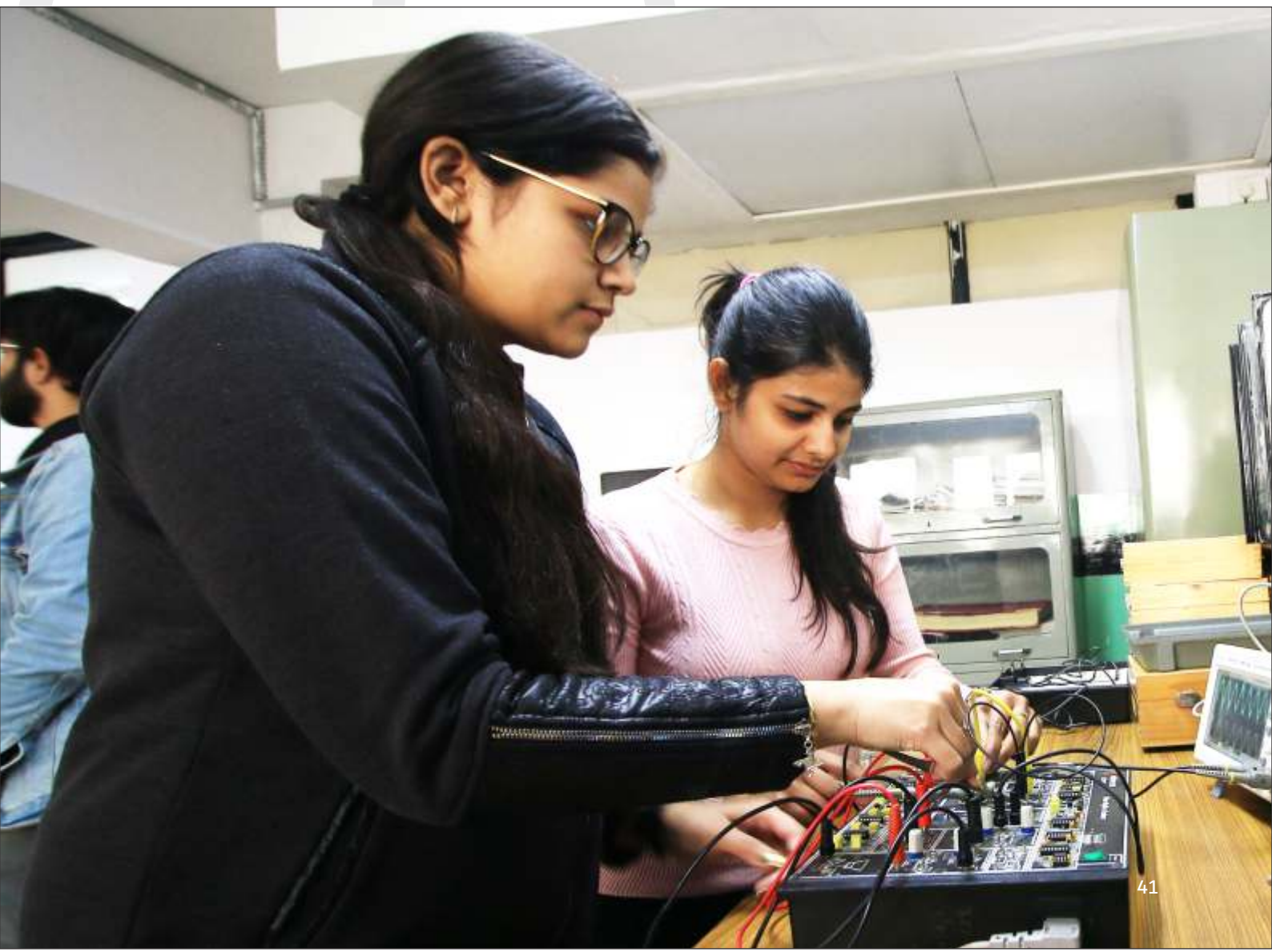
Community Service Club Activities

NSS ACTIVITIES

New Logo of NSS NCU

NSS NCU has revamped its logo on May 5, 2021. This new logo uniquely identifies NSS under The NorthCap University. To get the best design ready, the NSS team kept a logo designing competition from April 23 – May 3, 2021, wherein many graphic designers gave their best entries. Finally, the design created by Nikhil Chawla was selected as the 'New logo for NSS NCU.'

Plantation Drive

Around volunteers of the NSS NCU chapter actively participated in the plantation drive on February 3, 2021. The event aimed to sensitize students towards the need to preserve the environment. They visited a nearby ground with the motto to plant our saplings there. Each student planted a sapling and decided to take care of it with full dedication. The enthusiastic participation of the student volunteers helped the event to become a huge success. Dr. Shilpa Sindhu and Mr. Himangshu Rathee coordinated the events.

"Road Safety Week'21"

National Service Scheme, The NorthCap University Celebrated Road Safety Week from February 4 – 8, 2021, creates awareness regarding Road accidents, Traffic Laws, emergency services, new forms, and safety all across the Country. A series of events were planned for the week to create awareness among students. One of the main highlights of the events was **"Baatcheet with Traffic Tau."** Traffic Tau, Shri Virender Singh, ASI in Haryana Police, was the mascot of Gurgaon traffic police. He was dressed in a white dhoti, blue jacket, and red turban. The event was accompanied by a nukkad natak and a rally on Road safety rules to inform the people about road safety rules. Dr. Shilpa Sindhu and Mr. Himangshu Rathee coordinated the event.

Road Safety Quiz

NSS NCU Chapter organized a road safety quiz (online mode on Google forms) on February 7, 2021. It aimed to make roads and streets in India safer by raising awareness about avoiding accidents and injuries while on the road. Around 100 students participated in the Quiz Contest, and the competition ended on an interesting note. The event was coordinated by Dr. Shilpa Sindhu and Mr. Himangshu Rathee.

Charitable Chain' Initiative

NSS NCU took this initiative to raise awareness for a specific cause and raise money or resources to help sick, poor, and differently-abled people in March 2021. Activities conducted were: Stationery and Food Collection Drive, Empowering Sisters, "Regard Before you discard"- Best Out of Waste Contest, IIT Roorkee National Social Summit. All these events were coordinated by Dr. Shilpa Sindhu and Mr. Himangshu Rathee.

Prayaas Club Events

'Teach for India' organized by 'Prayaas Club NCU.'

An event, "Teach for India," was conducted on March 11, 2021, by the APS community service club "Prayaas NCU" under Dr. Anubhav Raghav and Dr. Rajni Rohila. The event's theme was "How children learn, what they learn, and who they learn from." The program started with a motivational speech delivered by Dr. Anubhav Raghav, followed by teaching and learning activities. The event venue was the government primary school in Sector 23 A. Students conducted four categories: mathematics, art and craft, the importance of hygiene, and English.

'Yoga Pose for a Good Cause'

Amid the backdrop of pandemic-led life, the 'Yoga Pose for a Good Cause' event was organized by Prayaas NCU and Yoga Club, APS department on April 26, 2021, and for four consecutive days. More than 70 students participated enthusiastically and were rewarded - with 4 to 6 hours of community service based on their creativity. Dr. Rajni Rohila and Lehar Sharma (19BSM012) & Sanskriti Yadav (19BSM015) coordinated the event.

Paryatan Donation Drive

On April 15, 2021, a donation drive was organized at 'Paryatan School of Excellence NGO' by the APS club, Prayaas NCU. In this drive, a total of 3,000 Rupees was received as a donation via Paytm. With this money, 90 Notebooks, 40 Colour books, 40 Crayons, and a few color pens were purchased and donated to children at Prayatana. Faculty Coordinators were Dr. Rajni Rohila & Dr. Anubhav Raghav. Student Coordinators were Sanaskriti Yadav & Lehar Sharma.

Thank A Teacher on September 5, 2021

"Prayaas NCU," in collaboration with "The Hood & Exuberance Club," organized the "Thank A Teacher" event. Each participant was required to submit two handmade cards in this offline event and present them on September 6, 2021. Faculty Coordinator, Dr. Rajni Rohila, Dr. Priyanka Vashisht, Mrs. Mahima Anand coordinated the event along with student coordinators Lehar Sharma 19BSM012, Pulkit Sharma19CSU228, Parul 19BCOM79

SELF WATERING ECO-PLANTATION DRIVE

Prayaas NCU Club of Department of Applied Sciences organized the event Self-Watering Eco-Plantation Drive from 7th To July 9, 2021, Online Event. Herein, students were required to make self-watering planters using plastic bottles and plant saplings. This event aimed to promote Recycling of Plastic, Mass plantation, and Water Conservation. Many students took part and donated their time and efforts to this cause. Dr. Rajni Rohila was the faculty coordinator, and Lehar Sharma, Gaurvika were student coordinators.

Environment Week: The Eco-lution

Prayaas NCU Club organized a five-day-long "Environment Week - The Eco-lution" and conducted various online activities from May 23 to May 27, 2021. The activities were: Process the Waste, Speech Competition on Environment and related topic, Plant Sapling and Quiz on Ecosystem. Dr. Rajni Rohila & Dr. Anubhav Raghav coordinated the event along with student coordinators: Sanskriti Yadav, Lehar Sharma, Nikita, and Himanshi .

Mask Donation Drive by IIC NCU

India is witnessing a second wave of coronavirus pandemic. The second wave is spreading on a wider scale, and the caseload has risen dramatically in a brief amount of time, owing primarily to people's reluctance to wear the mask. Keeping in view, the emergent situation Institution's Innovation Council of The NorthCap University organized a "Mask Donation Drive" to provide face shields to those in need on April 6, 2021, and "Online Donation Drive" intending to provide face shields on April 16, 2021. Over 500 students participated. Dr. Esha Jain coordinated the event.

Event 'Road to Education'
Prayaas Club NCU, in collaboration with "Paryatan School of Excellence," organized a social Drive online from May 14 to 19, 2021, on the theme "ROAD TO EDUCATION" for the children in NGO. Dr. Rajni Rohila & Dr. Anubhav Raghav coordinated the event along with student coordinators: Sanskriti Yadav, Lehar Sharma , Sahil Bhardwaj.

Event' Awareness Shouts within Creativity'
A poster-making event, "Awareness Shouts within Creativity," was organized online from May 1 to 5, 2021. The theme was "to spread awareness about getting covid vaccination." Nearly 340 students participated in the event. Winners were Shruti Aggarwal 20CSU274, Shweta- 19CSU305, Shruti Jain- 17CSU186, Dhruv Gupta - 19CSU089, Yashika Saxena- 19CSU414. Student coordinators Lehar Sharma (19BSM012), Sanskriti Yadav (19BSM015) & Aniket Gill (19BCOM05) coordinated the event under the guidance of Dr. Rajni Rohila.

Legal Aid Society Events

Slum Upgradation Project Conducted by Legal Aid Society'
Students of the Legal aid society visited the slum in Sector 12, Gurgaon, on Saturday, March 13, 2021. The visit aimed to understand the demography of the target area to identify and analyze the problems that prevailed in the area, identify the needs and brainstorm to pose solutions to them.

Donation Drive by 'Walking Together'
The Legal Aid Society organized a drive to help the needy in these challenging times from April 27 to 28, 2021. The participants donated grocery items like rice, pulses, oil cans, and other essential items like masks, sanitizers, clothing, etc., within their locality. The campaign was carried in association with an NGO, "Seva Bharti." Ms. Shiksha Dahiya coordinated the event.

Talk on Improving Immunity with Natural Diet
The Legal Aid Society of The NorthCap University, in association with District Legal Services Authority, Gurugram, and 'Pukaar India Foundation' organized a webinar on "Healthy Talk on Improving Immunity with Natural Diet" on April 30, 2021
This session was organized to virtually connect with the underprivileged community of Rajendra Park, Pukaar India Foundation Gurugram, to create awareness on boosting immunity by staying at home and adopting hygiene practices. The webinar speaker was Dr. Neeru Sain, MD in Acupressure, Yoga Specialist, and Diabetes Educator.
The event was coordinated by Faculty, Ms. Shiksha Dahiya and Students, Amardeep, Mayank, and Simran.

Health Bootcamp: "Awareness on Covid-19 and Importance of Vaccination"
"Walking together" group of The Legal Aid Society of The North Cap University, Gurugram, in association with District Legal Services Authority, Gurugram, and Pukaar Indi Foundation, organized a webinar on "Health BootCamp: "Awareness on Covid- 19 and Importance of Vaccination" on May 13 to 14 2021. Dr. Sushant Yadav, from the Maulana Azad Medical College, New Delhi, was the Chief Guest. He is working with the Haryana Health Department in the state vaccination drive. Ms. Shiksha Dahiya and Dr. Pallavi Bajpai coordinated the event.

Yoga Day Celebration: Walking Together Group
The Walking Together Legal Aid Society, in collaboration with the Exurbance Club of The Northcap University and District Legal Services Authority, Gurugram, organized a Webinar on International Yoga Day on June 21, 2021, on MS Teams. The guest speaker for the webinar was Ms. Disha Nanda. The event was coordinated by Ms. Shiksha Dahiya (Sr. Asst. Professor of Law) and Tusar Azad (student member of Legal Aid Society).

Webinar on "Healthy Talk on Improving Immunity with Natural Diet"
District Legal Services Authority, Gurugram, in collaboration with 'Pukaar India Foundation' and The Legal Aid Society of NCU, organized a webinar on "Healthy Talk on Improving Immunity with Natural Diet" on April 30, 2021. In this session underprivileged community of Rajendra Park, Pukaar India Foundation Gurugram, and students of the School of Law, NCU connected virtually to create awareness on boosting immunity by staying at home and adopting hygiene practices. The Speaker of the webinar Dr. Neeru Sain (Paralegal volunteer, District Legal Services Authority, Gurugram), holds MD in Acupressure, and she is a Yog Specialist and Diabetes Educator. The session was coordinated by Faculty Advisor Ms. Shiksha Dahiya (Asst. Professor of Law), Amardeep, Mayank Dahiya, and Simran Janghu (Council members of the society) were attended by members of Legal Aid Society, students of Law, panel advocates, and underprivileged community students of Pukaar India Foundation.

Events on Menstrual Hygiene by Legal Aid Society

Ms. Simran Jangu and Sanjana of Legal aid society and Rotaract Club of the NorthCap University organized the event 'SARAL' in the adopted area in association with PUKAAR India Foundation on April 10, 2021. The purpose of the event was to create awareness about menstrual hygiene. During the event, volunteers of the foundation and students of the University distributed sanitary pads among the needy girls and women of the Rajendra Park area.

Webinar on "Chhatrapati Shivaji Maharaj: An Inspiration to the Youth"

On the occasion of Hindu Samrajya Diwas, June 23, 2021, the Heritage Club and the Walking Together Society, Legal Aid, organized a Webinar on "Chhatrapati Shivaji Maharaj: An inspiration to the youth." The guest speaker, Brig. Beant Parmar (Retd.) is a veteran who served in the Maratha Light Infantry of the Indian Army for 35 years and commanded an infantry battalion and a mountain brigade in Assam. The Speaker focused on Chhatrapati Shivaji Maharaj, Hindu Samrajya, and the things that we can learn from Shivaji Maharaj even today. Lastly, he mentioned the strength of character to become as powerful as Chhatrapati Shivaji Maharaj. The webinar was coordinated by Ms. Garima Lakhmani, Ms. Shiksha Dahiya (Asst. Professors of Law), and Chhavi Rohtangi and Deepanshu (Student members of Heritage Club).

Webinar on Shades of Pride

In collaboration with the Pukaar India Foundation, the Legal Aid Society organized a "Conversational dialogue on Human rights regarding the LGBTQI+ community-Shades of Pride" on June 25, 2021. The guest speaker was Mr. Nitish, TedX speaker, LGBTQI+ educator, and social activist. He has been on Nat Geo's LGBTQI+ documentary and has been featured in many e-magazines and online media portals. The webinar aimed to hold a discussion on the human rights of the LGBTQI+ community and to spread awareness and educate the students regarding the same. The webinar was organized by Ms. Shiksha Dahiya (Senior Assistant Professor) and student Coordinators: Shreya Manchanda, Taniya Mahajan, Karan Kataria.

Donation Drive 'Joy of Giving'

Ms. Srishti Vashishtha had conducted an offline event - Joy of Giving by Sehyog club for community service. The items for donation like old books, clothes, toys, notebooks, stationery items, cash, etc., were collected by NCU students on 5-6th April 2021 and were donated at NGO named "Dream Girl Foundation," located in Surya Vihar, Sector-4, Gurugram on April 9. The event witnessed the participation of around 200 students.

'Earth Day, Every Day: Living Ecologically'- Awareness Drive

On the occasion of World Earth Day on April 22, 'Manovriti' – The Psychological Society, School of Management and Liberal Studies NCU organized a Three Days Online Environment Awareness Drive, titled "Earth Day, every day: Living Ecologically," from April 22-24, 2021. The event aimed to generate increased awareness of common local/global environmental issues and create sensitivity and connection with the planet. The event included a documentary screening, environmental awareness quiz, waste recycling, E-design campaign competition using different creative media such as photography, art, poetry.

Hygiene Awareness Drive by Awakening Club

The Awakening Club organized a Hygiene Awareness Drive on March 6, 2021, at Om Vihar, Cartarpuri, Gurugram to distribute soaps, face masks, and packed food. The students made children aware of good health conditions and how hygiene should be maintained in our daily lives. It includes dance, music, rap rounds, singing, poetry reciting, and friendly interaction with students in the event. The event was coordinated by Dr. Deergha Sharma and Dr. Neha Kumar.

Webinar on Swachh Bharat, Swastha Bharat, and Water Conservation

The Awakening Club and Buland Awaaz welfare society, and Teens of God NGO of Gurgaon organized a webinar on Swachh Bharat, Swastha Bharat, and Water Conservation on April 15, 2021. The Speaker was Mr. Kuldeep Singh, Social Service Activist. At the wrapping up of the event, group photographs were taken, and a task was shared with everyone in which each student has had to upload pictures of them filling a bucket of wastewater of RO and then watering plants with it. The event was coordinated by Dr. Deergha Sharma and Dr. Neha Kumar.

Operation HOPE by IEEE

The IEEE student branch of The NorthCap University, their Special Interest Group on Humanitarian Technology, and IEEE Delhi Section initiated Operation HOPE. It connected people in need by gathering verified leads for them regarding medicines, beds availability, etc., thereby helping patients and their family members during the COVID-19 crisis in India. The student coordinators for this initiative are Sourabh Sharma(18CSU241) and Vidushi (18CSU228), along with a team of dedicated student volunteers from the student branch. The faculty coordinators are Dr. Srishti and Ms. Poonam Chaudhary.

Plantation Drive by Synergy Club

The Synergy Club of The School of Management and Liberal Studies collaborated with Muskaan Care Foundation to organize a plantation drive on March 4, 2021. The venue was Vipul World Block A, Gurgaon, where our NCU students planted 200 plants. A total of 30 students participated. Dr. Preeti Chawla, under the guidance of Dr. Swaranjeet Arora, coordinated the event.

Donation Drive "Capturing the Helping Hands"

The Synergy Club of The School of Management and Liberal Studies organized "Capturing the Helping Hands" on April 20, 2021. This event aimed to help needy people during Covid19. Students distributed food, clothes, toys, and stationery.

Teach On Warriors-Event by Puzzle Club

The Puzzle Club organized, "Teach on Warriors," on May 10, 2021, to thank teachers who keep educating their students even in trying covid times. Two teams of students coordinated the event under the guidance of Dr. Aditya Sharma.

Food Donation Drive "Hunger's Hero"

Mathemactive Society and Enactus NCU Society of Applied Sciences Department conducted their first community service event named "Hunger's Hero" on 5th and 6th May 2021. Students had to serve a healthy and nutritious cooked meal to needy people. The entire event was encircled by Tarun (19CSU322), Ishika (19CSU322), and Ravi (19CSU242) under the guidance of Dr. Anshu.

Armed Forces day Quiz

The quiz on "Armed Forces Day" was conducted on May 15, 2021, on google forms by the EWB Society. This quiz tested participants' basic knowledge about the three Indian Armed Forces, i.e., Army, Navy, and Air Force. The EWB's Creative Members Team coordinated the event as directed by Ms. Monika Yadav.

Poster Making on International Family Day

An event on "International Family Day" was conducted on May 17, 2021, by EWB NCU SB Gurugram under the supervision of faculty coordinator Ms. Monika Yadav to rejoice the love that exists among families not only with themselves but with the world through poster making, poem/ story writing on their family.

Mental Health Awareness Quiz by EWB Club

The "Mental Health Awareness quiz" was conducted on May 22, 2021, by EWB NCU SB. Ms. Monika Yadav was the Faculty Coordinator for this event. The quiz aimed to know the opinion of the participants about stress and depression.

Project Pehchan- 'Shades of Pride' online

NSS NCU organized various creative exercises and online events, including sketches, cloth painting, face/body painting, etc., from May 12 to 16, 2021, under the project Pehchan to break the stigma around the LGBTQ+ Community.

Association - Case Study Competition

NSS NCU conducted an online case study competition, 'Sociathon,' from 07th to May 10, 2021 to raise awareness around the fundamentals of COVID-19, infection prevention and self-care methods, and best practices for patient care and get new ideas on board.

Event by NSS NCU "Building Compost"

To mark Earth Day '21, NSS NCU executed Project Prakriti to make compost from April 22 to May 22, 2021, in online mode. Over six volunteers participated in the event and prepared compost for 30 whole days!

Session on Thalassemia Awareness

NSS NCU organized an interactive session on Thalassemia on May 4, 2021, through Google Meets. The purpose was to educate the volunteers about various problems and myths prevalent regarding blood donation, issues on Thalassemia, and how it be helped. BloodConnect's modus operandus on blood camps was also explained in the webinar.

International Webinar on 'Sustainable Development Goals & STEM Education

School of Education, in association with NSS & Rotaract club, Apeejay Satya University, Gurugram and NSS NCU organized an International Webinar on 'Sustainable Development Goals & STEM Education on May 11, 2021. The distinguished speakers for the session were Ms. Rania Lampou and Mr. Vikas Dixit. Ms. Rania is a renowned global STEM educator and works for the Greek Astronomy and Space Company. Mr. Dixit is Sr. Scientist at National Informatics Centre under the Ministry of Electronics & IT, Govt of India.

Podcast Series "SAMVAAD"- Episode 1 & 2

NSS NCU came up with the Podcast Series "SAMVAAD" It comprises two types of conversation. "Taleem" and IZhaar. In Taleem, volunteers of NSS NCU talked about their NSS journey, experiences, projects, obstacles they have overcome, and how they made a positive impact on society. In "Izhaar," the hosts and guests talked about social issues and their ways to curb those social problems. The first episode was with Covid Survivors Samarth and Sanya, NSS NCU Volunteers. The second episode was with guest speakers Alex and Maya on LGBTQ and pansexuality.

Project Noor By NSS NCU

NSS-NCU initiated its project NOOR to raise the overall consciousness of students around their mental health under project NOOR. The Project Noor's orientation was primarily conducted with the NSS 2020 batch via Microsoft Teams to know and discuss the worth of a balanced and healthy mind and nurture a friendly relationship through Comfort, confidentiality, and confidence. Herein 60+ students took part. Half an Hour Per Participant was given. The event was a great success and a stepping stone in Noor's journey towards mental health.

Project Prakriti - NSS NCU Initiative

As a part of Earth Week 2021 celebrations, the volunteers of the National Service Scheme (NSS), NCU, organized the first event, "Plantation Drive," under "Project Prakriti." More than 50 volunteers planted saplings around their homes and nearby areas between April 17 to 20, 2021. In continuation, NSS NCU organized the second event, "Cleanliness Drive," under the same project. Under this, 30 volunteers cleaned their localities while undertaking all necessary precautions.

Webinar on 'Art of Living' by Chetna Club

A session on 'Art of Living' was delivered by Mr. Hemant Pandey (Senior Technical Account Manage – Amazon Web Services) on April 10, 2021. He shared his life story and discussed the importance of emotional intelligence along with technical intelligence. Mr. Hemant discussed the aspects about Yoga, Bhagwad Geeta, Gayatri mantra and spirituality, etc. More than 60 students attended the session. Dr. Vandana Khanna coordinated the webinar.

Deaddiction Campaign by Chetna Club

The Chetna Club launched the de-addiction campaign from April 15 to May 15, 2021. The campaign spread awareness about the ill effects of smoking, consuming drugs, alcohol, tobacco, etc., through posters, video making, quizzes, and social media postings. It also includes a webinar on "De-addiction and addiction to creation- a vision of thought revolution" on April 24, 2021. The Speaker was Mr. Sanjay Sinha, BE, ME (Civil Engg), MBA, and a volunteer for All World Gayatri Pariwar. It was followed by a 'Quiz on elements of addiction' on May 2, 2021, and a survey on May 9, 2021, to assess the real situation of addiction and Drug abuse on google forms. Dr. Vandana Khanna coordinated the event along with student coordinators of the Chetna Club.

Webinar on "De-addiction and addiction to creation- a vision of thought revolution."

To raise awareness about different kinds of addictions and drug abuse happening globally, the Chetna Club organized a webinar on "De-addiction and addiction to creation- a vision of thought revolution" on April 24, 2021, on Microsoft teams. The event was meant for a huge stratum of our younger generation that has fallen prey to drugs and substance abuse. The Speaker for the event was Mr. Sanjay Sinha, BE, ME (Civil Engg), MBA, and a volunteer for All World Gayatri Pariwar. More than 300 students participated. Dr. Vandana Khanna coordinated the event along with student coordinators of the Chetna Club.

Webinar on 'Domestic Violence and Abuse' by Chetna Club

Chetna Club organized a webinar on 'Domestic Violence and Abuse' on May 29, 2021. The Speaker was Dr. Rajit R. Upadhyaya, an expert in Medicine, Law, Literature, and Music. He discussed the importance of married life, reasons for domestic violence, followed by a discussion on various laws protecting and empowering women. It was attended by more than 130 students and was organized by Dr. Vandana Khanna, the faculty coordinator of the Chetna club.

EWB Club activity -Slogan and Poster Making

The event of slogan and poster making was conducted on April 19, 2021, from 10.00 AM to 7.00 PM on Google forms. The theme was Voice of youth against rape and molestation. The students expressed their creativity through- Slogan writing, Digital poster, and Handmade poster. The faculty coordinator was Ms. Monika Yadav.

Activity- Walk Clean-Walk Repeat

EWB Club organized a Cleanliness Campaign held on March 31, 2021, to create awareness among the students regarding cleanliness and its benefits. Under this event, students marched gracefully from NCU while chanting awareness lines in chorus and collecting garbage from the footpaths and near the food stalls on the road. The faculty coordinator was Ms. Monika Yadav.

Webinar on 'Five Transformation That Will Change Your Life Forever

The Brainstorming Club and Sehyog Club, in collaboration with the Thought Lab of the University, organized a webinar on the topic- Five Transformation that Will Change Your Life Forever, on June 9, 2021. The event's guest speaker was Dr. Mohit Gupta, Professor of Cardiology, GB Pant Institute of Post Graduate Medical Education and Research. Six hundred eighty-eight participants registered for the event. Rajyogi BK Dr. Mrutunjaya, Chairperson of Education wing, World spiritual University, Mount Abu, and Prof. Prem Vrat, Pro-Chancellor of NCU, were also specially invited to share their thoughts and enlighten the young minds. Dr. Shaveta Arora presented a vote of thanks. Faculty Coordinators for the event were Dr. Shaveta Arora, Dr. Sujata, Ms. Srishti Vashisth, and Sister Sudesh. The student coordinators were Shruti Verma (19CSU301), Eva (20LLB088), Ananya (20CSU012), Riya (20CSU269), Deepanshu, and Sourabh (18CSU241)

Rotaract Club Won 3 Awards at an Annual Ceremony

Rotaract District 3011 organized an annual ceremony in respect to present awards to all those clubs who have contributed and performed exceptionally well throughout the year. The Club won three awards, namely, successfully organizing DRR's official visit, Best Contribution during Covid Pandemic, and Outstanding President of the Year award.

Food Donation Drive by Rotaract Club

The Rotaract Club NCU collaborated with Helping Hands NGO and contributed a handful amount to provide food to the covid-19 patients in and near the Faridabad region. Through our social media handles, the Club also spread awareness and raised funds for the NGO.

Plasma Donation Drive by the Rotaract Club

A 'Plasma Donation Drive' was taken up by the Rotaract Club of The NorthCap University, an initiative started by the 'Red Cross Society' on April 29. The society provided 20 lists of 200 people each to the Club to call each person individually and ask them for their willingness to donate plasma and provide their information. Each member of the Club participated in the noble cause and provided help for the people in need. Indian Red Cross Society acknowledged and appreciated the efforts of Rotaract Club, NCU for a data collection campaign for plasma donation amid the backdrop of the deadly second Covid wave.

Rotaract Club

1. *Vanmahotav* was organized from 1st to July 7 to engage in an eco-friendly activity by planting, maintaining, and harvesting trees. For seven glorious days, the members planted new seeds and cherished the old ones in their homes and the community.
2. A No Honking Campaign was organized on July 6 to encourage drivers to be more considerate towards pedestrians and apply best practices on the road.
3. The Rotaract Club of The NorthCap University collaborated with Rotary Club of Querencia and initiated an event of paperbag making, "Let's Make it," from 8th to July 11 to increase the number of people who use paper bags, to spread - awareness by creating a movement. Members made creative paper bags out of newspapers and other sheets available at the house.
4. The Club celebrated National Parents Day on July 25 and take some time out of our busy schedules to share some happy moments with the pets we love. Members recorded and shared videos.
5. RAC NCU and RAC Shaheed Bhagat Singh College, in collaboration with Muskaan Foundation, organized an awareness drive, "Child Sexual Abuse," on July 17, 2021. The webinar witnessed the presence of speaker Ms. Sharmila Kher (TEDx Speaker, Certified Child Rights Trainer, and Civil Rights Activists). She enlightened us with valuable insights on the issue.
6. RAC NCU collaborated with RAC of Faridabad Aravalli organized a webinar "Women Hygiene" on July 22, 2021, to empower women with information on various options for women's hygiene through skits and personal testimonies.
7. RAC NCU, in collaboration with RAC CVS and RAC SU organized "Project Hariyali" on July 24, 2021, and took the initiative to plant 50 saplings and convert the barren land into an Urban Forest Area. In addition, beautify the area and render it into a shelter for passers-by.
8. An event, "Food Wing," was organized on July 26, 2021, where participants were motivated to share a meal with helpmates to bring togetherness and connect.

Workshop on Workplace Spirituality

The Rotaract Club of The NorthCap University organized a Workshop on Workplace Spirituality on September 1, 2021, wherein Dr. Shibani Belwalker was the Speaker. It was based upon the importance of a healthy environment at our places of work so that we work more efficiently and peacefully.

Street Animals Feeding Drive

Team Prayaas NCU of the Department of Applied Sciences of The NorthCap University organized a social drive on June 13 to 15, 2021, named "Stray Animals Feeding Drive" for the strays around our houses who need more attention during the times of lockdown. The event was coordinated online. Dr. Rajni Rohilla was the faculty coordinator, and student coordinators were Lehar Sharma (19BSM012) & Naman Kumar Sharma (19BSP003)

Event' Yoga for All'

The Yoga Club, in collaboration with Prayaas NCU, organized the event Yoga for All on June 21, 2021, on the occasion of Yoga Day 2021. The theme was "Yoga at Home, Yoga with Your Family." In this event, participants were required to perform yoga asanas with their families and upload a minimum of four pictures on the given submission link. Dr. Rajni Rohilla was the faculty coordinator, and student coordinators were Lehar Sharma (19BSM012) & Naman Kumar Sharma (19BSP003)

Prayatna Donation Drive

A "Prayatna Donation Drive" was organized on April 15, 2021, at 'Prayatna School of Excellence NGO' by APS club, Prayaas NCU, Gurugram. From the donated amount, 90 Notebooks, 40 Colour books, 40 Crayons, and a few color pens were purchased and donated.

Events by Yukti Club

"Remove Green Guilt" Campaign

Club Yukti of The NorthCap University has initiated a three-month-long campaign to promote the United Nations Sustainable Development Goals and promote the environmental cause through the 'Remove Green Guilt' Campaign from March 28 to June 28, 2021. A series of events, activities, awareness sessions have been conducted so far. It includes

· Revamp plastic campaign from March 28 to April 28
· Repurpose Eco brick from April 12 to April 30
· Un rap plastic open mic competition was conducted on April 24, 2021
· Ad Mad competition" was organized on May 10, 2021
· Poster making competition-rethink plastic" was organized on May 25, 2021
· Reel-cycle plastic" was organized on May 28, 2021

Completing the three-month-long drive 'Remove Green Guilt' Campaign, the Yukti Club organized these events to further spread awareness on plastic waste.

1. Event IDEE Rush on June 5 -June 28, 2021, to gather ideas on 'How to Manage Plastic Waste.'
2. Sustainable Swap Survey was organized from 15th – 28th June 2021 to raise awareness about plastic waste management. The event was coordinated by Riya Saxena, Bhoomi Jain, and faculty coordinators – Dr. Vaishali Sahu, and Dr. Shrutimita Mehta.

Poster Making for Aids awareness and prevention

On World Health Day, the Yukti Club organized a poster-making competition on "Aids awareness and its prevention" from April 14 to April 20, 2021. Participants exhibited their creative side by designing beautiful and inspiring posters.

Bird Feeding Program by Yukti Club

On the occasion of Earth Day, Yukti Club, in collaboration with NRSC, organized a bird feeding program from April 20 to 22, 2021. Nearly 570 students participated in this event.

Karuna Initiative by Yukti Club

Yukti Club NCU, in collaboration with Legal aid society, Runathonia, Spicmacay, The Economic Collective, The Walking Together Society, launched an initiative "KARUNA- A Campaign Against Corona" from April 27 to May 16, 2021, to personally verify the resources and provide authentic leads to covid patients in Delhi NCR. The objective was to collect all the leads and resources, verify and authenticate them and provide them to needy patients. Also, a 24*7 helpline was created to answer all covid-19 related queries. Many patients were helped through this campaign. The event was coordinated by Dr. Vaishali Sahu, Dr. Shrutimita Mehta in collaboration with Prof. Swaranjeet Arora, Dr. Priyanka Banerji, and Dr. Mansi Vinaik.

Old age home visit and donation drive by Yukti Club

The Yukti Club of The NorthCap University organized a Donation Drive for an Old Age Home on March 12, 2021. Students collected the items for donation and distributed them. Also, they performed singing and dancing activities to entertain the inmates and have some fun with the people there.

Workshop on Graphic Designing

Club Yukti conducted a peer-learning workshop on graphic designing wherein a student volunteer gave a tutorial on making an eye-catching poster on photoshop and Canva. After the workshop, the participants were given a task to make a poster on armed forces.

Event on World Environment Day

On World Environment Day, Club Yukti organized the event Prakriti- Express Yourself, on the Theme of environmental conservation and ecosystem restoration on June 5, 2021. The participants were invited to write an article, a poem, a slogan, or a poster to represent themselves. This event was a success with nearly 100 participants, and it succeeded in increasing awareness about environmental conservation and ecosystem restoration. The participants were zealous and enthusiastic in their participation. Student coordinators were Riya Saxena, Bhoomi Jain, and Faculty coordinators were Dr. Vaishali Sahu and Dr. Shrutimita Mehta.

Event, Catch The Rain

Club Yukti of the NorthCap University organized a drive, "Catch the Rain," on July 22, 2021, under the National Jal Shakti Abhiyan to conserve water, minimize wastage and ensure more equitable distribution. Appropriate steps were taken to tap a large volume of rainwater through University's RWHS to recharge the groundwater aquifers. The drive saw participation from students, faculty, and staff members who got together to ensure preparedness for the university rainwater harvesting system.

Poster Making on Women Equality

The Yukti Club of The NorthCap University organized an event, "Create and Describe," from August 25-28, 2021, wherein the participants were asked to describe women's equality in the form of posters. They described the motive behind their unique work and provided a message through the poster. Students came up with visionary designs and admirably described their captivating work. Nearly 80 students participated in the same.

E-Runathon

Club Yukti of The NorthCap University organized an event, 'E-Runathon,' on August 13, 2021, to promote Health and Fitness among youth. The event was a part of Fit India Freedom Run 2.0 launched by the Ministry of Youth Affairs and Sports. Students participated enthusiastically and pledged for a healthy and fit nation.

Yukti Club NCU Activities

- A webinar on Healthy Diet was conducted on September 3, 2021, to celebrate National Nutrition Week. Dr. Isha Gupta, Founder, Diet Easy, was the Speaker.
- Yukti Club and Rotaract Club jointly organized a card-making/poetry event on "2 Teach is 2 Touch Lives four ever" to give teachers their well-deserved recognition. Participants were asked to make some cards or write some poetry for their teachers, and the entries were open from September 1-4, 2021.
- The event, Happy Planting was conducted on September 12 wherein 100 trees were planted at HUDA Club, Sushant Lok, Sector 55 Gurugram by the volunteers.
- Swaasthya session conducted on September 24 to promote a healthy lifestyle for physical and mental well-being by Ms. Gunjan Taneja, a nutritionist.
- Project NEST Box was conducted from 28th to September 30, 2021, including photography, poster making, & birdhouse making. The purpose was to create awareness about bird cruelty and help in giving shelter.
- Project Food Wing was conducted on September 29, wherein homemade food was served to poor children to spread some love and belonging. Along with it, we played some games and clicked pictures.
- Project Aviral was conducted on September 30 wherein volunteers donated Slum School Sector 21 with 100% recycled plastic bottles and one 10 L water dispenser for kids.

Activities by Udaan

Udaan, the Humanitarian Activities Club of CSE Department, The NorthCap University, organized 45 Days of humanitarian drive with different activities. Faculty Coordinators were Ms. Vaishali Kalra and Dr. Pooja Sapra. and Student Coordinator was Vibhuti Dahiya.

1. Plantation Drive on the occasion of Earth Day 2021 from 22-24 April 2021, due to the ongoing lockdown, the event was organized virtually to celebrate nature and put in that extra effort for environmental conservation. Nearly 235 students participated and were encouraged to plant saplings and take care of plants by undertaking activities like providing water, manure, etc.
2. Poster Making Event on the occasion of World Red Cross Day 2021 on May 8, 2021. The event was organized virtually to make people aware of Red Cross and the work it does around the world. One hundred sixty-one students participated, made posters, and uploaded them to their social media status/stories to raise awareness.

3. An Article Writing Event was conducted on April 25, 2021 on World Malaria Day 2021 . The event was organized virtually to raise awareness about the spread of malaria, its symptoms, and prevention. 115 Students participated in the event

4. A Cleanliness Drive was conducted from 2-5 June 2021 on the occasion of World Environment Day 2021 . Students cleaned the areas around their homes while maintaining social distancing and wore face masks/shields to ensure safety. 37 students participated in the event

5. A Slogan Writing event on May 21, 2021 on National Anti-Terrorism Day 2021. Students wrote 2-5 slogans each and shared them on their social media status/stories to raise their Voice against terrorism and how it affects humanity. Fifty-seven students participated in the event.

6. A Donation Drive was organised from May 1 to May 4, 2021on the occasion of International Labour Day 2021 . Due to the ongoing lockdown, students made donations in their localities to laborers, house helps, public cleaners, guards, etc., while following social distancing norms and wearing face masks/shields to ensure everyone's safety. They donated many items like masks, packaged food, clothes, books, medicines, etc. 178 students participated in the event.

7. A Slogan Writing event was conducted from 4-5 June 2021 on the occasion of International Day of Innocent Children Victims of Aggression 2021 . Students wrote slogans and shared them on social media to raise their voices against aggression that young children face. 25 students participated in the event.

Webinar on HIV-AIDS Awareness by Udaan Club
Udaan, the Humanitarian Activities Club of CSE Dept. and SAL, The NorthCap University, organized a webinar on HIV-AIDS Awareness on April 14, 2021, Wednesday from 3:30 – 4:30 PM. The spokesperson for the session was Dr. Vipin Kathuria, a Pathologist at Columbia Asia Hospital.

Suicide Prevention Day Reel Making Event
Vikings Creative Solutions, in coordination with Udaan, at The NorthCap University, focused their attention on people's mental health and safety with the event of "Reel Making" on the occasion of "World Suicide Prevention Day" on September 10, 2021. The event was mainly directed at Instagram Reels.

International Literacy Day Celebration
On the occasion of World Literary Day, different clubs under NCU hosted a number of events.
The Economic Collective Club conducted an event, "Shabdo Ki Takkat," on September 9, 2021, wherein the participants were asked to write content, share it on Instagram Handle TEC. Dr. Priyanka Banerji and Dr. Mansi Vinaik coordinated the event.
Yukti Club of The NorthCap University took the initiative to help the budding minds get exposure to the world of creativity and imagination. A slogan and story writing competition was organized from September 9 to 10th 2021.
IEEE Humanitarian Activities Committee (HAC) organized a Blog writing event on September 8, 2021. Dr. Srishti and Dr. Poonam Chaudhary coordinated the event. The student coordinators were Vinay Rana, Sidhant Gumber, Himanshi Dudeja, Tanishka Tayal, Shweta Sharma, Aarjav Vajpayee, Chirag Manchanda, Nandini Pachauri.

ARTHARGUMENT 3.0.
The Economic Collective (TEC) Society, in collaboration with the Yukti Club of The NorthCap University, organized ARTHARGUMENT 3.0. This debate competition was conducted online on August 26, 2021 (Thursday) on the topic: "Should student loan debts be eliminated?". Mr. Yatin Malik (Alumnus NCU), Ms. Supriya (Alumnus NCU), and Dr. Jahanvi Bansal (Faculty, NCU) were the judges. A total of 73 entries were registered for the competition. The winners were Anjali Bhardwaj, Ayaan Rizvi and Vishal Singh.

Razzmatazz - A Social Marketing Competition
The Economic Collective, NCU Chapter, in collaboration with Club Yukti, organized "Razzmatazzing - the social marketing competition" from May 3, 2021, onwards. Two Alumni of University were judges for the event- 'Trishala Bhan' and 'Yatin Malik.' A total of 20 participants participated in the competition. The event was coordinated by Prof. Swaranjeet Arora, Dr. Priyanka Banerji, Dr. Mansi Vinaik, Dr. Vaishali Sahu, and Dr. Shrutimita Mehta.

Shabdo Ki Takkat

International Literacy Day is observed on September 8 every year to raise awareness and concern for literacy problems within our local communities and globally. Under the guidance of Dr.Priyanka Banerji and Dr.Mansi Vinaik, The Economic Collective of The NorthCap University planned an event, "SHABDO KI TAKKAT," on September 9, 2021; the participants shared written content of about 200 words explaining "what International Literacy Day meant to them" with a picture of them reading a book/newspaper or any other reading material they liked.

Event: 'Book Cast-A New Way to Learn from Books'

The Awakening Community Service Club conducted a 'Book Cast-a a new way to learn from books' event on September 16, 2021, with NGO Teens of God NGO. The center of the event was talking about the 'Book of Kindness' by National bestselling author Om Swami. The Speaker was Pulkit Om Gupta. More, the event was tailed with the task of taking a picture or capturing a video of oneself doing any random act of kindness and expressing it within 200 words. The best 11 stories were rewarded with this book, and 2 hours of Community Service were given to over 200 people. The event was coordinated by Dr. Deergha Sharma under the Guidance of Prof. Swaranjeet Arora. SOM2021O162

"Career Readiness in a Post pandemic World" Session

Manovriti, The Psychological Club, and Synergy Club of NCU organized an Online Interactive Session on "Career Readiness in a Post pandemic World" on September 30, 2021. This event aimed to illuminate the students about the professional and personal skills required for effectively navigating the current employment landscape. There were over 100 participants from different courses. SOM2021O167

Engineers Day Video Making Contest

On Engineer's Day, the IEEE Humanitarian Activities Committee organized a video-making contest from September 15, 2021, to September 18, 2021. The participants were asked to make a video about the use of Engineering Skills in solving day-to-day community problems. Dr. Srishti and Dr. Poonam Chaudhary coordinated the event. Student coordinators were: Yajus Gakhar, Pearl Arora, Arpit Chauhan, Sarthak Srivastava, Arnay Kabtiyal and Yukta Yadav.

Teacher's Day Poster Making

IEEE Humanitarian Activities Committee (HAC), on the occasion of Teacher's Day on September 5, 2021, organized a poster-making event. Participants were asked to submit two posters, the first poster displaying the contribution and hardships faced by teachers during Covid times. The second poster was dedicated to one specific teacher who played a crucial role in their life. Students took part with passion and enthusiasm, coming up with creative posters. The faculty coordinators were Dr. Srishti and Dr. Poonam Chaudhary.

World Peace Day Logo and Tagline Making

IEEE Humanitarian Activities Committee (HAC) organized a logo and tagline-making event on the occasion of World Peace Day on September 21, 2021. Participants were supposed to create their logos and taglines regarding World Peace Day and submit them by September 26, 2021. The faculty coordinators were Dr. Srishti and Dr. Poonam Chaudhary. Student coordinators were Ishita Bhatia, Hridyansh, Yash Bansal, and Nishant Sharma.

Cancer Awareness Day Video Creation

IEEE Humanitarian Activities Committee organized a video-making event, "Cancer Awareness," on September 22, 2021, to sensitize the general public about cancer – its causes, types, and cure. The event was coordinated by Tahini Dhankhar, Shivansh, Devang, Satvik under the guidance of Dr. Srishti Sharma and Dr. Poonam Chaudhary.

Plant a Tree Campaign

Chetna Club, NCU, organised a Plantation Drive from August 30, 2021, to September 5, 2021 on the occasion of Janmashtami.

World Habitat Day celebration

On the occasion of World Habitat Day, Chetna Club came up with a very innovative event. The event aimed to help increase awareness among students regarding World Habitat Day. The event also aimed at raising funds for the Pet Animal Welfare Society (PAWS). The participants were given the option to make posters on World Habitat Day or donate money for the PAWS. The event was open from October 1 to October 7, giving students ample time to participate and make donations. A total of 147 students participated for either poster or donation or both. Funds of Rs 5300 were raised and handed over to PAWS officials for the welfare of dogs.

The Note of Gratitude

Chetna Club organized an event, "The Note of Gratitude," from October 25-29, 2021, to thank the Indian army. In this event, participants had to make posters or cards with poems, quotes, or blogs. Many attractive posters were received, and all the participants received 5 hours of community service, and the best three posters were uploaded on social media. The student coordinators of the Chetna club organized the event under the guidance of the faculty coordinator – Dr. Vandana Khanna.

Project Swaasthya – Webinars

On October 6, and 11, 2021, webinars were organized to create awareness on 'Mental Endurance' by Major General Vikram Dev Dogra and on 'Anxiety, OCD, and Behavioral Disease' by Mental Health Therapist Ms. Arouba Kabir.

Project Sahara

On October 7, 2021, "Project Sahara" was launched to generate employment for the poor women through manufacturing and selling scrunchies. Around 350 such scrunchies were made and sold.

Food Wing – Feast Donation Drive

On October 16 – 17th Oct. 2021, the 4th installment of food donation took place. The event is receiving huge appreciation from all. More than 15 members participated in the same. Blessings from different spheres of the universe are what people say we get while such activities were conducted.

Sexual Wellness Webinar

On October 10, 2021, a webinar was organized by the Club to create sexual awareness. Gynecologist Dr. Anjali Kumar talks about the safe sexual practices, sexual wellness, and hazards of STIs. As she is a gynecologist, she talked about every woman-related problem. 100+ people participated.

Cause for Paws

On October 9, 2021, Club visited Indie Love Foster Care, Sector 63, Gurugram, where members spent quality time with the rescued dogs at the farm. More than 100+ dogs, pigeons, rabbits, etc., are being rescued and taken care of.

Flagship – Kadam Se Kadam

On October 11, 2021, Club members visited the slum area of sector 21 Gurugram, where girls were empowered, and safeguards and measures were taught. Gift hampers were also distributed amongst them. As usual, fun activities were also organized for them.

Project Musakan

During Momentum 2021, the community service committee of The NorthCap University launched Project- Muskaan to spread happiness among the underprivileged on the occasion of Diwali. Club Aashayen and Yukti conducted a food donation drive and conducted several activities and fun-based events for the children of Dream Girl Foundation (NGO), Gurgaon, from October 27 to 28, 2021. The donated food, along with stationery kits, were distributed to the kids.

Event, Guard Up

Sehyog NCU conducted an online event, "Guard Up," from October 7 to 10 to highlight the importance of self-defense techniques. The participants were told the self-defense moves online and posted their videos of practising the moves. Participants were provided a link and asked to upload a Minimum of 2 moves. Student team members Tahini Dhankar, Nitesh Kharb, Deepanshu Kataria, Sourabh Sharma, Ritika, Saloni Yadav, Sachi Mansi, and Rishit, coordinated the event under the guidance of Dr. Anvesha Katti and Ashwini.

Programmers Club:

Ninja Hire Series (Internship interviews) were conducted on November 25 and 28, 2021. 2020. NINJA HIRE 2.0, a series of 3 tests for all Non-Final and Final Year Students. On clearing all three tests, Students other than a final year were given an internship opportunity, and full-time job opportunity to final year students with Ninjas, The Programmers Club, organized a "Freshmen Induction," an exclusive webinar on November 26, 2020 by Industry expert Mr. Parikh Jain, who gave major insights that can shape their programming career

IEI CSE

Code Pile Quiz was organized under the IEI CSE Chapter on November 21, 2020. Learning to code is an indispensable skill in our modern world. Key highlights of the event with Round 1: Aptitude and MCQ Round and Round 2: Coding Questions Round. Effective Altruism organized a free healthy gaming tournament on November 22, 2020. The game selected for the tournament was Valorant, a free-to-play first-person hero shooter developed and published by Riot Games for Microsoft Windows. A total number of 12 teams enrolled themselves, and more than 80 players participated.

A Brain Grilling Quiz was organized by The Brainstorming Club of the Computer Science department on January 27, 2021, to enhance problem-solving, analytical, and logical thinking skills. Out of 200 participants, six teams qualified for the final round, which was held on January 28. After four rounds, the following got the leaderboard positions. Faculty Dr. Sujata and Dr. Shaveta coordinated the event.

Visualize gave us a wonder full opportunity to conduct an entertaining event called PICX4. The event was conducted on the Quizizz platform. In this event, the students were given four pictures and found clues from the pictures. It was surely a successful event, and there were positive feedbacks from the active participates.

Webinar on "How to Maintain Mental Health

Brainstorming Club and Sehyog Club, in collaboration with the Thought Lab of the University, organized a webinar on the topic- "How to Maintain Mental Health" on April 20, 2021, by Ms. Amita Sharma. More than 450 students attended the meeting session for this webinar. Many students interacted with the Speaker and asked a lot of queries related to mental health and their issues in this Covid period. Sister Urmil from the Thought Lab conducted a small meditation session at the end. The recording of the meeting was shared with all the registered students. Faculty Coordinators: Dr. Shaveta Arora, Dr. Sujata, Ms. Srishti Vashistha.

Webinar on "Industrial Robotics and Automation by Yaskawa"

A Webinar on "Industrial Robotics and Automation by Yaskawa" was held on August 12, 2021, by IEEE RAS NCU SB in collaboration with IEEE St. Joseph College of engineering SB, Tamil Nadu, on Google Meet and YT live. Under the guidance of chapter advisor Dr. Sharda Vashisth and Student Coordinator Ipshita Datta. The Speaker for this event was Mr. Dhanesh Narayan(Asst. Manager Sales Application). It was an informative webinar where Dhanesh Sir had explained Yaskawa, industrial robots, and their applications.

ThePuzzleClub's Java Quiz organized the "Java Quiz" on August 14, 2021. The main motive to organize this quiz was to test the knowledge of students about the Java language. In this quiz, 20 questions were asked for 30 minutes to complete.

Quiz "Maestro de Robotics"

A Robotics Quiz "Maestro de Robotics" was conducted on 16th and 17th August 2021. Round 1 was conducted on Quizizz, where over 150 people had participated. The second round in which the top 10 had qualified for round 2 was conducted on Kahoot. It was a very informative quiz, and participants had enjoyed this quiz based on Robotics, AI Ml. This quiz was held in collaboration with IEEE RAS SNIT SB and IEEE NSSCE SB Tamil Nadu. On the Occasion of IEEE Day, a Robotics Quiz "Maestro de robotics-II," based on Robotics, AI ML was also conducted in which 50 students participated.

A Webinar on Robotic Hand

A webinar on "Why built Robotic hand with a sense of touch by Shadow Robotics London" was organized on August 24, 2021, by IEEE RAS NCU Student Chapter and IEEE Jeppiar Institute of Technology Tamil Nadu SB under the guidance of chapter advisor Dr. Sharda Vashisth. Dr Radhika Gudipati was the speaker. The Speaker showed us various Robotics hand-created and designed by Shadow Robotics. Around 80 – 90 participants attended the webinar.

Gesture Control Robotic Arm

A workshop on "gesture-controlled robotic arm" was organized on October 7, 2021, 2.30-4.30 PM and October 14, 2021, 2.30 PM by IEEE RAS chapter under the guidance of Chapter Advisor Dr. Sharda Vashisth, Faculty Coordinators Dr. Pankaj Rakheja, and Dr. Pooja Sabherwal. This workshop was the first event of the Robotics Continuum series. Around 45 students participated in this workshop.

Brandathon 2021

Marketing Marvels came up with Brandathon on October 29, 2021, its flagship event to be conducted alongside 80 other events. First up, we had enticing ads shown to our participants to gauge their knowledge and develop an interest in brands; then, we explained to them What is Brandathon, its origin, why it was started, and what it aims to achieve. Before starting the quiz, we showed the participants a video on "The hidden meaning of famous logos," which acted as a warmup for the quiz. Total No. of participants: 16. Faculty Mentors were Dr. Swarnjeet Arora, Dr. Nimit Gupta, Dr. Shilpa Sindhu, Dr. Akshat Aditya Rao.

AUTONOM INDIA 2021

SAE Collegiate Club, The NorthCap University participated in "AUTONOM INDIA 2021", a new initiative of SAE NIS, introduced in the Country. The event was to "Design and Develop Autonomous 4-wheeled 4-seater vehicle for urban Mobility." The primary objective was to provide opportunities for engineering students to explore with a unique format of Hands-on Technology Experience, Technology Display, and Knowledge sharing.

"Light Camera Action "Quiz

The Puzzle Club organized a quiz, 'Lights Camera Action,' on October 16, 2021 to break the monotony and have them fun. The quiz received 150+ registrations, and was attended by many students. Dr. Aditya Sharma was the faculty coordinator.

MOMENTUM 2021 – Annual Fest

The NorthCap University organized Momentum 2021 on 29th & 30th October 2021 in Hybrid Mode. With around 52 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 both in online mode and on the campus. With an impressive line-up of a series of events ranging from the Fashion Show, Muscle Fit, Singing, Dancing, Hackathon, Ideathon, Cold Cooking, Volleyball, Archery, and many more exciting events, the festival enthralled the students. The festival witnessed overwhelming registrations for both the on-stage and off-stage events. All the students participated with full enthusiasm, and the festival was a great success.

The first day started with the Inaugural Ceremony began with the lamp lighting ceremony and Hon'ble Vice-Chancellor Prof. Nupur Prakash's address. She declared the festival open and encouraged the participants and audience to wholeheartedly participate in Extra-curricular and Co-curricular activities and develop holistically. The address was followed by a beautiful Musical Ensemble presented by Encore-the Music Club. Besides the mesmerizing musical performance, the ceremony included a Classical Performance and a Bhangra performance by the Lions Bhangra Club of the University. A video compilation showcasing Community Service initiatives taken by the University was also showcased. A traditional folk-dance performance was followed by a dance performance by the Morphinated Club of NCU. The members of Abhimanch Theatre Club performed a short skit showcasing the modern-day stressful situations and their possible solutions.

The Grand Inauguration Ceremony was followed by a host of cultural and technical events held in the University auditorium, sports grounds, and various virtual platforms. The On-stage events of the day included enthralling solo dance performances, X fame-the singing competition, the Fashion show- Haute Couture, the key highlight of the day, and Beatboxing. The event was theme-based-Arabian nights and glow in the dark, in which participants participated with great enthusiasm. It was conducted in two rounds. The off-stage events scheduled for the day were conducted on several live virtual platforms and campuses. Events like Squats, Push-up Challenge, Instagram Reels, COD M, Archery, etc., witnessed huge participation. The second day also saw some amazing solo dance performances, the open mic competition in which students showcased their talents uniquely, be it singing, poetry, couple dance competition, and some extraordinary group dance performances. The highlight for the day was Mr. and Ms. Momentum, which was conducted in two rounds: the first was the ramp walk, followed by a question-answer round. Several Off-stage events were also scheduled besides the array of Cultural events on the second day. We had Suduko and Crossword, Pictionary, Ideathon Buzz, Hackathon, Wall Art, and many more where NCU students and participants from leading Universities and Colleges of the Country showcased their talents.

Our flag bearer inter-college fest MOMENTUM allows students to unite, rejoice, and represent our students' artistic potential. At NCU, we keep encouraging them to push their boundaries beyond academics and provide opportunities to everyone to showcase their hidden talent in various genres ranging from intellectual to exciting challenges. The winners of the various events conducted during the two days won exciting cash prizes and goodies. All the participants of the Fest were given e- certificates. The University congratulated all the student organizers and the participants for doing a commendable job of making the event a great success.

www.ncuindia.edu

Sports and Fitness Activities at NCU

"Fitness Development Program - FDP"

At The NorthCap University, we believe in working hard and playing harder. The month of September was dedicated to health and fitness. We initiated the "Fitness Development Program - FDP" with sports and fun activities. Who could believe our faculty and staff would be so eager to run, hop, skip, and jump? We witnessed excellent zeal, team bonding, recreation, and engagement when we gathered in playgrounds for Yoga, Aerobics, Meditation, and Zumba. It goes without saying; this would not have been possible without the excellent time management, multi-tasking, and work-life balance skills of our employees.

Fitness Mania – Celebrating Teachers Day

On September 4th, 2021, RUN-A-THONIA, in collaboration with Effective Altruism, held a Fitness Mania event to encourage health and fitness in honor of Teacher's Day. This event was meant to spark the quest for fitness and to entertain. During the event, the Honourable Chancellor, Vice-Chancellor, and all teaching and non-teaching staff of NCU were present. The events included warmup sessions, Games like ladder circuit, Zumba session, and fitness-inspired choreography. Everyone admired the event for being a fantastic stress reliever.

SCHOLARSHIPS

Tenth Fee Concession & Scholarship Distribution Ceremony (2020-21)

The NorthCap University, conducts its Fee Concession & Scholarship Distribution Ceremony every year to honor the students. In 2020-21, 241 students were given scholarships, based on merit. For that, a function was held in the Campus on September 17, 2021 to distribute scholarship cheques to meritorious students of Dean's list. Vice Chancellor Prof. Nupur Prakash handed over cheques to students.

Vice Chancellor Innovation Fund

VCIF of amount 53, 720 has been awarded to Mr. Nishant Yadav (17ECU029), Ms. Nishita Yadav (17ECU014), Mr. Ritik Bhatia (18MEU015) and Mr. Balpreet (18MEU004) for the Project named 'Vehicle Payload Monitoring System'. Dr Anjali Garg is the faculty coordinator of the project.

Fee Concessions & Scholarships Awarded by NCU-Year Wise

■ No. of students / Amount in Crores

Year	Value
2006-2007	47 / 0.19 Cr
2007-2008	80 / 0.92 Cr
2008-2009	98 / 0.77 Cr
2009-2010	127 / 1.02 Cr
2010-2011	149 / 0.94 Cr
2011-2012	168 / 1.08 Cr
2012-2013	199 / 1.32Cr
2013-2014	217 / 1.61 Cr
2014-2015	210 / 1.76 Cr
2015-2016	222 / 1.60 Cr
2016-17	266 / 1.41 Cr
2017-18	387 / 1.58 Cr
2018-19	208 / 1.47 Cr
2019-20	200 / 1.70 Cr
2020-21	241 / 1.42 Cr.
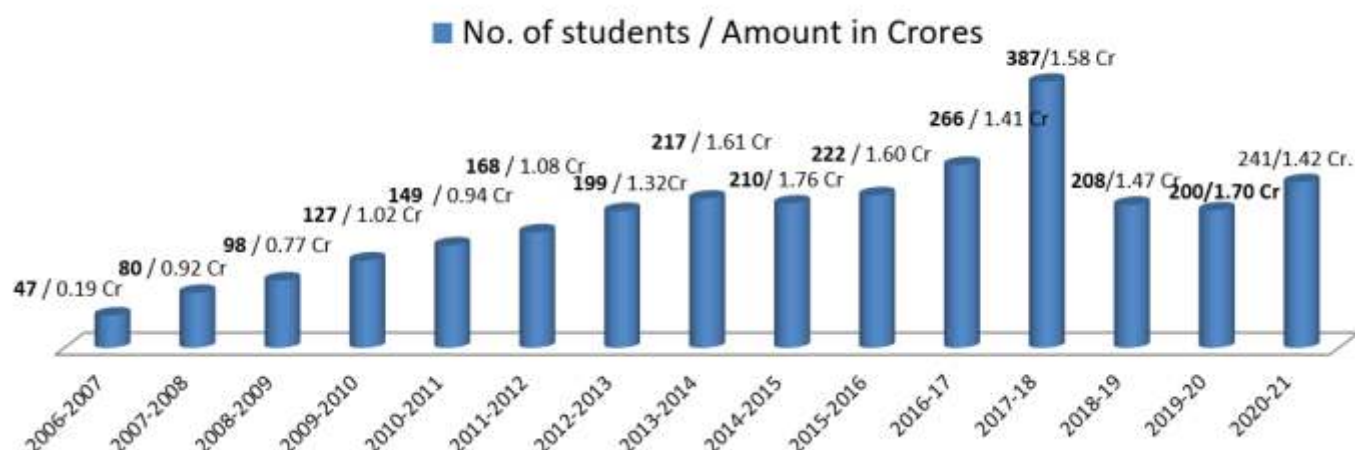
INFRASTRUCTURE

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.Committed to the automation of various academic, financial, and administrative processes, the University is at an advanced stage of completion of Enterprise Resource Planning (ERP) implementation based on cloud computing, in a tie-up with Digiuniv.

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.

Learning Management System

NCU offers an innovative learning system as a supplement to classroom teaching – an e-learning portal. The Learning Management System (LMS) provides students with online access to the course content offered at the University and to important academic information, including lecture notes, recommended reading, tutorial sheets, and assignments. LMS is provided through 'Moodle' as an institutional repository and a content management system for e-learning. We want students to use this portal to prepare themselves before coming to the class to better understand complex concepts.

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
- Form Collection and Verification
- Fee Management System
- Student Records
- Class Management
- Related Reports

Academic Module
- Semester Registration
- Time Table Generation
- Faculty Feedback
- Related Reports

Attendance Module
- Bio-metric Attendance System
- Linking with ERP
- Related Reports

Examination Module
- Admit Card Generation
- Grading and Results
- Related Reports

Administrative Module
- HRMS
- Student Placement

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	300 MBPS
Wi-Fi Facility	Campus and Hostel has full Wi-Fi coverage through 125 access points
Surveillance	180 Cameras are placed in the Campus for monitoring

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.

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.

Opening of 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. (Dr.) 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

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 174 print journals from reputable publishers, institutions, societies, like the Indian Academy of Science Journals, IIMB Management Review, Decision, Vision, Harvard Business Review, BCI Journal, etc. LIRC updated its computerized services from Libsys 4 Software to 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 in the future.

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 to the borrower.
- Library has WEB OPAC, which offers students the facility 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 Libraries 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, Ebsco Business Source Elite, and Tata Mc Graw Hill.
- 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 accurate services.
- LIRC has a separate reading room with a capacity for 250 students. This reading room has been equipped with comfortable seating arrangements.
- 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, and facilities, etc., are displayed on a Digital Notice Board at the Library gate.
- A card swipe machine has been installed in the library, which provides the facility of paying a fine through a Debit/Credit card.
- 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.
- The Library at The NorthCap University has taken a subscription of e-journals from Springer Nature -5 subject collection: Physics, Chemistry, Mathematics, Computer Science, and Engineering. Subscription of this online database covers all major domains of SOET and Applied Sciences.
- Facility for Tea/Coffee has also been made available by LIRC adjacent to the Library, at a very nominal price.

Discipline	No. of Books	No. of Journals		
		National Printed	International Printed	Online
Engineering & Sciences	58601	Nil	Nil	Springer Nature - 5 Subject Collections, Ebsco discovery services (EDS)
Management	6974	Nil	Nil	Proquest-ABI-Inform Complete
Law	5306	12	Nil	WestLAw: 1200+, SCC Online-150 MANUPATRA: 07

In addition to these resources, Twenty-eight E-Books are also available.

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 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).

- **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 PremVrat, 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 Libraries 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 the 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 of 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 American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers (ASME), SAGE Journals, Ebsco Business Source Elite, Westlaw, MANUPATRA, etc.

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

- **Library Mobile App:** Users can access the library database anytime on their phone with the help of the LSearch mobile app by installing it from the Google play store.

- **Subscription of Springer Nature Journals:** The Library at The NorthCap University has taken a subscription of e-journals from Springer Nature -5 subject collection: Physics, Chemistry, Mathematics, Computer Science, and Engineering. Subscription of this online database covers all major domains of SOET and Applied Sciences.

SCHOOLS

The NorthCap University, with an alumni strength of 15,000+ and a glorious track record, has evolved itself as benchmarked professional institution of excellence across the Schools of Engineering, Management, Applied Sciences, 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.

OUR WORLD OF
EXCELLENCE

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.

Computer Science and Engineering

There are many initiatives taken and events organized by the Department of CSE, NCU. To summarize, there are more than 72 online events conducted/organized, including webinars, workshops, hackathons, guest lectures, and FDPs post-pandemic at the National and International levels, along with a number of Offline events pre-pandemic. Twelve FDPs have been conducted, and one international conference organized in the latest domains of technology. The faculty of CSE have chaired/co-chaired various International Conference sessions, upskilled themselves with online certification programs of international repute and keep themselves at par with the current trends and needs of the industry.

Major Activities and Achievements:

- The NorthCap University has an excellent infrastructure that aids the educational process and enhances the overall student's learning experience. Continuing this legacy, NCU has established two world-class smart classrooms equipped with high-end devices such as interactive display, overhead projector, high-definition tracking camera, digital e-podium that ensures global connectivity. These smart classrooms boast cutting-edge video conferencing facilities that enable students to interact with teachers, industry leaders, and students from other universities via direct video links. These classrooms would be used for regular classroom teaching, online/remote faculty development programs & online training.

- Department of Computer Science & Engineering, The NorthCap University, Gurugram, organized the "International Conference on Cyber Security and Digital Forensics (ICCSDF 2021)" on 3rd-4th April 2021, in Virtual Mode. A large pool of entries was received from across India. Springer will publish all accepted papers in the book series "Lecture Notes on Data Engineering and Communications Technologies" (Scopus Indexed). Dr. Gulshan Rai, Former National Cyber Security Coordinator at the Prime Minister Office, Government of India, was invited as our Honourable Chief Guest to grace the occasion.

- 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 19 July -23 July 2021. The FDP received an overwhelming response with 150 participants from various institutions across India. FDP provided an experiential exposure in emerging areas of Computer Vision and Natural Language Processing. The program was inaugurated on 19 July 2021 virtually by the hands of Dr. Bimlesh Wadhaw(Keynote speaker, Assistant Dean, National University of Singapore), Prof. Prem Vrat (Pro-Chancellor, NCU), Prof. Nupur Prakash (Vice-Chancellor, NCU), Dr. Kavita Khanna(HOD, CSE) Dr. Rita Chhikara (Coordinator, FDP) & Dr. Poonam Chaudhary (Coordinator, FDP).

- The Department of Computer Science and Engineering at The NorthCap University, Gurugram, successfully organized a 5-day national level Faculty Development Programme (FDP) sponsored by AICTE Training and Learning Academy 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, TechBrewery, and Academicians from reputed Universities.

- Department of CSE has successfully conducted an International Sacramentum (Capture the Flag (CTF)) event under the Cyber Security specialization from 2 October 2021, 5:00 p.m. to 3 October 2021, 12:00 p.m. on TryHackme Platform. The event was coordinated by Dr. Mehak Khurana & Dr.Shilpa Mahajan. With the efforts of the organizing team, sponsorship was received from esteemed organizations like Burp Bounty Pro (Platinum Sponsorship), Hackershala (Gold Sponsorship), Coding Ninjas (Silver Sponsorship), and Taskade (Bronze Sponsorship). An overwhelming response with 600 (Approx.) participation from India as well as abroad was received for the event.

- Dr. Shristi Vashishta received a commendable research award from Delhi Technological University on 15 February 2021 for "Sentiment Cognition from Words Shortlisted by Fuzzy Entropy." *IEEE Transactions on Cognitive and Developmental Systems* paper.

- Department of CSE & IT organized 12 Faculty Development Programmes (FDPs) to facilitate the up-gradation of knowledge and skills of faculty. This enabled faculty members to update their research and pedagogical skills to bridge the quality research and teaching skills gap. These FDPs were organized in Data Science, Game Tech, Cloud Computing, Full Stack, and Cyber Security. The detailed list can be found in appendix 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. Total 35 outreach activities have been performed by the highly skilled faculties of the CSE department. The detailed list of faculty achievements is available in Appendix B.

- The faculty attended various seminars/workshops/FDP's. 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 Appendix C.

- NCU empowers its students to achieve professional and personal success, ready to change the future landscape. Considering this philosophy Department of CSE focuses not only on academics but also on grooming its students in all the dimensions which ensure the all-round development of the students. This is mentioned in the achievements enlisted in Appendix D.

- The clubs and societies of the CSE Department are very active. There are a total of 72 events conducted by different clubs and societies of the CSE Department. A list of all the events is found in Appendix E.

- **Various Faculty Achievements have been listed in Appendix .**

- The Department of CSE has signed 12 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 2020-2021. The list of the same can be found in Appendix G.

EECE Department

NCU as Nodal Center of IIRS-ISRO Outreach Programme
The NorthCap University has registered itself as the Nodal Center of ISRO -IIRS outreach program in September 2020. ISRO offers E-courses on Remote Sensing, Geographical Information systems, Global Navigation Satellite Systems, and associated geospatial technologies to meet an urgent demand for trained manpower. Students and faculty had registered themselves for many courses and successfully completed those.

School Event Cornucopia of Talent 2021
The school event Cornucopia of Talent 2021 was organized and conducted by the EECE Department on April 15, 2021. The Talent Hunt of school students consists of three events, including a Poster, and Video Making, and an 'On the Spot' Quiz on various technology and environment-related issues.
Dr. Pooja Sabherwal, under the guidance of Dr. Sharda Vashisth, HoD, EECE Department, coordinated the event.

Sessions on EBSCO Service and Databases on July 6, 2021
The Central library of The NorthCap University has taken a subscription to the EBSCO Discovery service and databases, with some complimentary access from EBSCO. For usage of that, FDP and Training were organized on the 'Effective Usage of EBSCO Discovery Service platform and Academic Search Complete and EBook Academic Collection Databases' on July 6 and August 12, 2021, by Dr. Vandana Khanna. Speaker Mr. Ritesh Kumar, Senior Training Manager, North India, EBSCO Information Services, conducted this session.
Achievements

Toycathon 2021
Toycathon 2021 is an inter-ministerial initiative organized by the Ministry of Education's Innovation Cell with support from the All-India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles, and Ministry of Information and Broadcasting.
The ECE Department students participated in Toycathon 2021. The team consisting of five students Vasu Singh (ECE 1st year), Hemant Sharma (ECE 2nd year), Mimansha (ECE 4th year), Parth Bathla (ECE 4th year), Aroonima (ME 1st year), and two mentors (Dr. Sharda Vashith and Dr. Pooja Sabherwal) from ECE department has submitted the project MAP BUILDER. It has been selected for the Grand finale in the physical and digital category.

INNOTHON-2021
The ECE Department students participated in INNOTHON 2021- a national-level initiative to provide students a platform to solve some of the passing problems we face in our daily lives. The participating team consists of two students- Team1: Dhruv (ECE 1st year), Mohit (ME 1st year). The team completed the two rounds under the guidance of Prof Avtar Singh (Professor of Practice & Director Startups & Incubation), Dr. Sharda Vashisth (HoD, EECE Department), and Dr. Pooja Sabherwal (Asst. Professor, EECE Department). Their project named Pot Holes on Roads under the theme Smart Projects is selected for the Grand Finale.

MoU and Bootcamp organized by IBM Open P tech

The NorthCap University has signed MoU for IBM Open-P Tech in April 2021. Two E- boot camps were organized on April 24 and May 3, 2021, to give details of the options made available by IBM. The salient point of Open P tech is that students can earn badges by completing the courses. Digital badges from IBM boost the LinkedIn profile or resume to help the students get that first meaningful job opportunity. This was organized by Dr. Sharda Vashisth, HoD EECE Department, and Dr. Pooja Sabherwal.

Talks in FDP

Dr. Pooja Sabherwal from the EECE department delivered talks in the Faculty Development Programs conducted at SIAM University, Thailand and Almaty Management University, Kazakhstan. She talked about the best practices used to enhance the course content from the ASU content.

MOOC Courses

Dr. Pooja Sabherwal completed a course on Python Data Structures at the University of Michigan from Coursera on November 3, 2020, with a grade score of 96%. She also completed MOOC certification on "Designing Learner Centric MOOC" with Elite+Silver with a consolidated score of 82%.

Dr. Sharda Vashisth has completed MOOC certification on "Designing Learner Centric MOOC" with Elite+Silver with a consolidated score of 88%.

Various other faculty achievements have been listed in Appendix B, C and F.
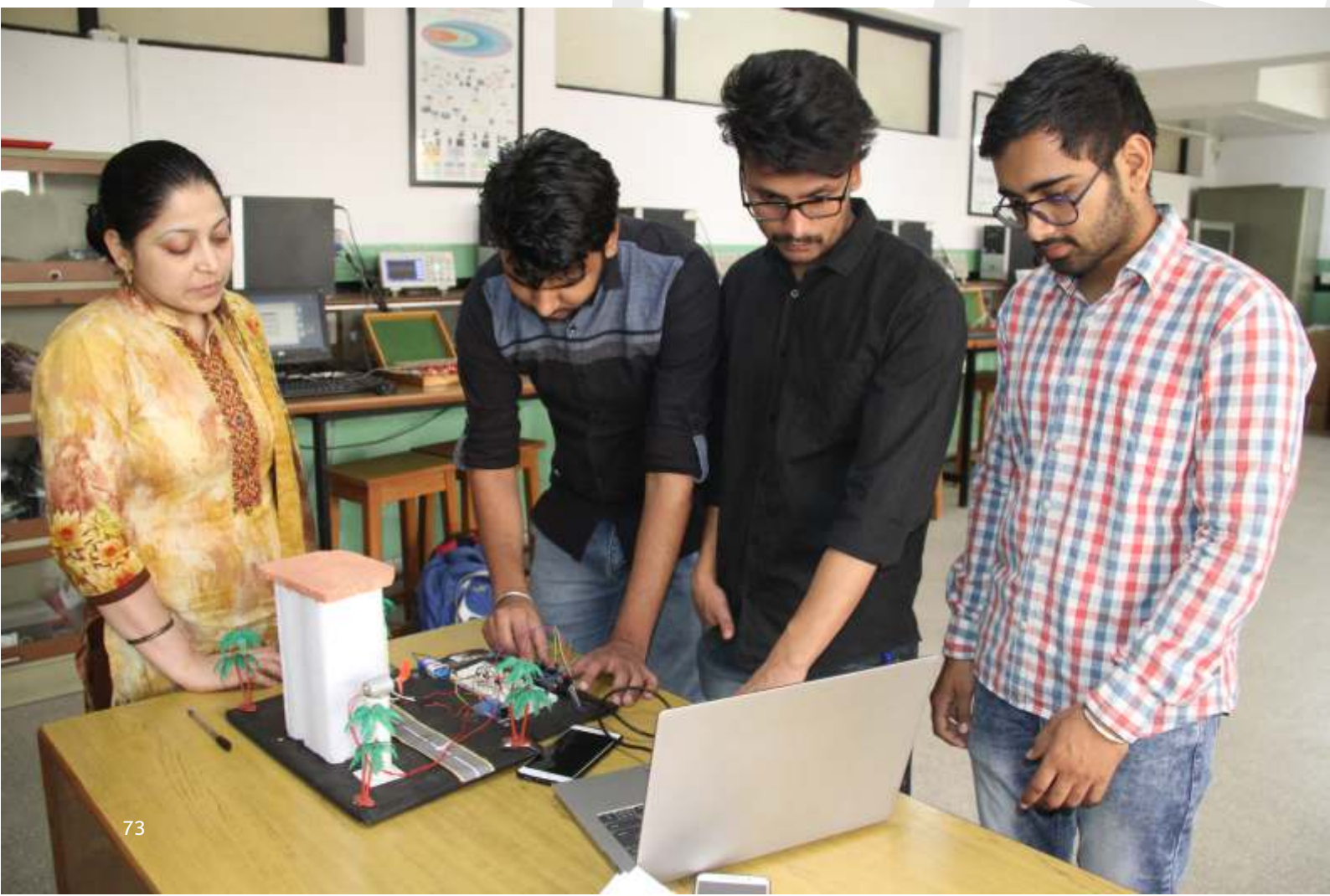
Mechanical Engineering

Mechanical Engineering is known as the mother of engineering. It is based on an engineering discipline that involves the application of principles of Physical sciences in design, construction, production, and control in a wide range of products and services. Further, it encompasses Automobile, Aviation, Thermal Systems, Plant equipment, Material Handling, Defense, Automation, Space Exploration, Mechatronics, Medical equipment, and many more. Ever since the dawn of civilization, it has shaped our lives and the world around us through numerous contributions in various spheres for the benefit of mankind. The objective of each Engg is to groom an engineer with a broader outlook, adaptability to any circumstances and make him/her a full-fledged human being rather than a mere technocrat.

USPs of ME Department

1. Students of the Mechanical Engineering Department had attended the Volkswagen Auto Expo Work Shop on E-Mobility on 4th February 2016 in Auto Expo 2016 at Expo Mart, Greater Noida. The workshop included a presentation on Volkswagen's ideas on electric cars and also research and development progress. Dr. Lassota, Head of sales and marketing e-mobility at Volkswagen, discussed prototypes and ideas with our students.

2. Team IILM PHOENIX participates in the Solar Electric vehicle championship event hosted by ISIE in the Electric, solar vehicle championship - Asia's largest solar championship. The project's main purpose is to stimulate Departmental research and development on future transportation systems with sustainable energy.

3. Students of the Mechanical Engineering Department visit to Auto Expo at Expo Mart, Greater Noida. They took an interest in varied automobile technologies and car collections. Students and faculty member visit different automobile sections of various Automobile companies.

4. Design and analysis of high-pressure composite vessels under the "Make in India" initiative by M.Tech Students for development.

5. Every year Department of Mechanical organizes National level seminars for industrial collaboration and exploring placement opportunities to expose students to varied aspects of industries.

6. ME Dept encourages students for various kinds of technical participation in International exchange programs of foreign universities. Last academic year, Varun Bhardwaj of Mechanical Engg. won first prize on students' projects at Glasgow Caledonian University, Scotland, while he was there in an exchange program.

7. Brijesh Rai, Lalit, Anshu, and Awatansh represented Mechanical Engg., IILM at "NASA rover challenge 2014" held at US space & rocket center Huntsville, Texas, USA.

8. Khushal Babu of Mechanical Engg. He participated in IIT Guwahati in Robotics Competition.

9. Exposure to the students through industrial visits by various International/ National organizations. Major Industrial training companies are:
   · GAIL, Jhabua.
   · Volkswagen, Pune
   · IGL, New Delhi
   · CIA-Glocal India Ltd., Gurgaon.
   · Glasgow Caledonian University, Scotland.
   · NTPC
   · Indian Railways
   · New Gen Plastics, Greater Noida.

10. Companies where Mechanical Engineering Students have fit in:
- · Aashi India Glass Ltd
- · Universal Data Solutions
- · Fork Lift Spares
- · Wattana TractionS Pvt Ltd
- · UAML (Usha Amorphous Metals Ltd)
- · Applied Technosystems
- · Genpact
- · Hettich
- · Tele performance, Hinduja Global Solutions Ltd
- · RAC Logix Pvt Ltd
- · Amber Group

11. Many well established equipment and advanced machines such as- 3D printer, CNC Machine, Robotics arm, etc. Department has well-established laboratories, such as:
- · Material Science & Testing Lab
- · Measurement of Metrology Lab
- · Fluid Mechanics/ Machinery Lab
- · Engineering Mechanics Lab
- · Thermodynamics Lab
- · Dynamics of Machines lab
- · Workshop Practice
- · Manufacturing Lab
- · CAD/CAM Lab
- · Automobile Engineering Lab
- · Refrigeration & Air Conditioning Lab
- · Heat & Mass Transfer
- · Engineering Mechanics Lab

Civil Engineering

NHAI Signs MOU with NCU

National Highway Authority of India (NHAI) associates with NCU through a memorandum of Understanding to contribute mutually for highway infrastructure betterment, 4th December 2020. Under this, both organizations will share knowledge, skill, and expertise and work with mutual corporations in the civil/highway engineering field for future road infrastructure development.

AECO TechnoStruct (P) Ltd and NCU signed MoU

To support our vision to promote Skill Development Initiatives, the Department of Civil & Environmental Engineering, NCU, has signed an MoU with AECO TechnoStruct (P) Ltd, on 2nd December 2020. The aim is to provide industry exposure and enhance students' skills through training and development programs.

Panel Discussion on World Water Day 2021

The "Natural Resources Sustainability Club" of the Department of Civil and Environmental Engineering organized a panel discussion on the occasion of World Water Day 2021 on 20th March 2021 to celebrate water and raise awareness of the global water crisis. The core focus of the observance was to support the achievement of Sustainable Development Goal (SDG) 6: water and sanitation for all by 2030. The theme of World Water Day for the Year 2021 was valuing water. The panelists were Mr. Sachin Kumar, Gurujal Society of District Administration, Ms. Rupali Gupta (alumnus) and Partner & Director, Ecologics and Innovations, Mr. Aashish Bhardwaj (alumnus), Analyst, Brookfield Renewables, Canada and Prof. Ram Karan Singh, HOD, CEE & Dean (RDIL) and Ph.D. Studies, NCU. Mr. Lokesh Choudhary, Faculty, CEE, NCU moderated the session.

Project Exhibition and Technical Poster Presentation 2021

To showcase and display the student's project to the industries and thereby enhance the project quality as per the industry's need, SPACE society of the Department of Civil & Environmental Engineering organized a Project poster presentation and Exhibition on 20th March 2021. This provided an opportunity for the students to demonstrate their learning experience, creativity, and hard work they have put in while working on the Major Project and Dissertation. Industry experts Mr. Kashi Nath Sharma, Project Manager, Experion Developers Pvt. Ltd., and Mr. Nisheeth Agnihotri, Scientist B, Central Soil & Materials Research Station, Government of India, has been invited to review and mentor students' projects.

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 the Schools to inculcate moral values and ethics among students. The Centre is also offering 'Ph.D. in English' since 2017, wherein students from India and abroad applied for enrollment.

Introduced BA English (Honors) Programme

The Centre has introduced BA English (Honours) Programme from the current session starting October 2021. This program will help students emerge with a sought-after skill set for careers in arts, publishing, and media. This program will prepare students to develop an international perspective and bring them at par with English Literature students across the globe. They will connect with courses offered in the Liberal Studies programme to create an integrated interdisciplinary education.

Workshop on Communication Skills for Technical Staff

The Centre conducted a series of sessions during the workshop on 'Communication Skills for the University's Technical Staff' to empower them when dealing with students and parents.

Sessions on Communication Skills during Online Induction Programme for New entrants-2021

CLL conducted communication Skills sessions during Induction Programme held in September 2021, 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. The sessions were conducted online on Microsoft Teams.

Thought Lab Sessions conducted during Online Induction Programme for New entrants-2021

Two sessions on 'Know the Genius Within' to induce positive thinking were conducted on September 24 and September 27, 2021. Ms. Jaya Saxena from the Rajyoga mediation group was the speaker. It was followed by an activity wherein a situation was given to imagine a child's mind and how it shares and expresses various emotions.

Mentor-Mentee Meetings

Regular mentor-mentee meetings are conducted for guiding faculty and research scholars pursuing Ph.D. in English at the Centre. Prof Harish Narang (JNU, New Delhi) is the mentor and has been giving his valuable suggestions to all the research scholars to do quality research.

Other Activities

CLL faculty has been actively engaged in Faculty Development Programmes, Workshops, Seminars, and Training Programmes 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 B, C, F & H.

School of Management and Liberal Studies

The School of Management and Liberal Studies (SOM) vision is to be a leading socially relevant management school emphasizing academic excellence, research, innovation, entrepreneurship, and developing socially responsible managers. The School of Management and Liberal Studies draws upon the faculty resource and knowledge base of the School of Engineering and Technology and School of Law so that its students get holistic pedagogical support, which is vital for today's fast-changing business world.

New Programmes Initiated

This year SOM has started Masters of Business Administration (MBA) with a Dual Specialization in Business Analytics.
We have been already running these programs: Three-year U.G. programs of BBA; Bachelors of Business Administration (BBA) with specialization in Business Analytics; and Bachelors of Business Administration (BBA) with specialization in Digital Marketing, B. Com (H), BA (H) Psychology & BA (H) Economics, Two- year full-time MBA program; and Ph.D. in Management.

Board of Studies

Board of Studies Meeting of School of Management and Liberal Studies held on November 27, 2020. The agenda for this BOS meeting was to Integrate Community Service in the Curriculum of the School of Management and Liberal Studies based on the UGC guidelines and the New Education Policy (NEP) 2020. Herein every student of NCU has to contribute 140 volunteer hours per year towards community service-related activities. The School of Management revised its scheme for all courses wherein 140 hours of Community Service hours are made mandatory for two credits to accommodate this.
Another meeting of the Board of Studies was held on May 03, 2021. The agenda of the meeting was Introduction of Dual Specialisation in MBA program to be implemented w.e.f. July 2021. Further, revision of Schemes of Study for all the UG-Programmes offered by SOM, i.e., BBA, BBA with specialization in Digital Marketing and Business Analytics, B. Com(H), BA (H) Economics, and BA (H) Psychology. (First year common removed). As Liberal studies/Fine arts were not well received by students, it was scrapped from all the UG programs. However, the courses like Fine arts/Liberal studies were suggested to be floated as an open elective course. Further, LTP of 2-0-2 shall be retained depending on course nature and its confirmation from the Dean's office for the new courses.

Induction for New Joinees at SOM

Starting college is a significant event in every student's life. The transition from school to college life is filled with excitement, yet it brings a fair share of anxiety around settling in a novel environment. Acculturation, hence, is a much-needed exercise for students as they start the new chapter of their lives. NCU appreciates this requirement, and hence, every academic year spends a great deal of time and effort in helping new student entrants settle down with ease in the University environment. For the Academic Year 2021-22, the Orientation and Onboarding program was conducted between September 1 & 30, 2021. The program was conducted in offline, online, and hybrid modes in its different parts. The entire activity spread over one month included events planned and conducted at both University and School Levels. At the school level, the School of Management & Liberal Studies hosted various engaging, fruitful, and well-received activities like guest lectures, quizzes, workshops, and alumni interaction as a part of the orientation and onboarding program. Following is the list of activities conducted: -

- Guest Lecture on 'Campus to Corporate' by Mr. Saurabh Kalra, Senior Vice President-HR, MakeMyTrip, India.
- Journey of a Self-starter' - An Interview with Ms. Nandita Mehta, Founder and Owner of the venture Love is Cakes.
- Presentation on 'Course Credit Regulation.'
- Workshops on Transactional Analysis (TA), Professional Dress Etiquette, Email Etiquette, Writing Persuasive Texts for the Digital Media, Working with Lucid Charts
- Knowing Ourselves' - Personality Quiz for the new students to help them identify their personality traits.
- I'm Smarticus – A management quiz conducted on Quizizz
- Movie Showing – 'The Secret' was shown to the students.
- Alumni Interaction Sessions with Dr. Sunaina Sangwan and Ms. Vimal Dahiya

In addition to the above, multiple mentoring sessions were conducted where class mentors helped the students understand academic formalities and processes. Ms Jiveta Chaudhary Grover coordinated the event.

Induction for New Faculty at School of Management and Liberal Studies

The School of Management and Liberal Studies inducted (online) following faculty members this year:

Prof. Nimit Gupta (Marketing), joined the Department as Professor in January 2021
Prof. Harsh Vardhan (Economics), joined the Department as Professor in January 2021
Prof. S.K. Breja (Human Resource), joined the Department as Professor in January 2021
Dr. Shaveta Sachdeva (Economics), joined the Department as Assistant Professor in February 2021
Ms. Harshita Jha (Psychology), joined the Department as Assistant Professor in January 2021
Dr. Namrata (Economics), joined the Department as Assistant Professor in August 2021
Dr. Sahil Malik (Human Resource), joined the Department as Assistant Professor in August 2021
Mr. Ashish Budhwar (Psychology), joined the Department as Assistant Professor in July 2021
Dr. Mansi Khurana (Business Analytics), joined the Department as Assistant Professor in September 2021

Research Orientation

Five members of the faculty are pursuing Ph.D. Twenty-one 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 is receiving a contingency grant of Rs 25,000 per month to facilitate her research. Six scholars are receiving the JRF Fellowship, and nine scholars are NET qualified.

Minor Projects/Major Project/Internship/ Placements

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 on different courses. One hundred and ninety students have presented their major projects on varied topics, including a comparative study on online vs. offline shopping, energy consumption, and economic growth, is India ready for a cashless economy, impact of social media advertising on consumer buying behavior. Out of them, a few papers have also been published.

"Impact of covid-19 on food and hotel industry, published in International Journal of Recent Trends in Business and Tourism"

"A Comparative Examination of Non-Performing Asset Management of Banks in India," in the International Journal on Recent Trends in Business and Tourism (IJRTBT), and Internal Locus of control among students of Delhi-NCR in Asian Journal of Management.

Internships: All SOM students must have three credit internships during the summer. However, due to the outbreak of COVID-19, Department proposed the following options for the internships other than physical training:

Skill development training/ Course: 35 Skill development courses with a minimum of six weeks duration have been proposed and identified in each domain, i.e., Finance, HR, Marketing, Economics, and Psychology, which can be undertaken by the students followed by the preparation of a report on the same. Students were allowed to enroll in any certified course they found interesting after the approval from the supervisor.

Online Internship: Students were also provided with the option of an online internship, and various links of online internships were also shared with students.

One hundred forty-three students have undergone the said internships during July-August 2020.

Going Global Partnership Summit 2021

Haryana State Higher Education Council facilitated an interactive session of all Vice-Chancellors of Haryana (State & Private Universities) with the British Council at NCU auditorium on September 23, 2021. This event was organised with the spirit of NEP- 2020 for strong focus on internationalization in providing student flexibility and creating a customize program of study. The event was chaired by Prof. B.K Kuthiala, Chairperson, HSHEC, Govt. of Haryana.

Students' Achievements

Mr. Aayush Jain, a 3rd-year student pursuing a BBA from the School of Management, The NorthCap University, got acknowledged for his social work. He received an award for Young Social Activist from the Jito Gurugram Chapter, a worldwide organization of businessmen, industrialists, knowledge workers, and professionals reflecting the glory of ethical business practices.

Ms. Omeesha Wadhwa, a 2nd-year student pursuing BA in Economics Hons. from The NorthCap University, participated in Student Conclave-social media and multi-level marketing event conducted by the DME, Noida. Her expertise in building up case studies, articles, research papers helped her win the 2nd prize at the event.

Ms. Tisha Arora, a 2nd-year student pursuing BA Economics Hons. from The NorthCap University, was selected as the top ten participants in Createario- Recreating the Brand Logo, a logo designing competition by Empresario Club, IBM, GLA University, Mathura during May 28 – May 30, 2021.
 Ms. Aditi Bansal, a 3rd-year student pursuing BA in Economics Hons. from The NorthCap University, participated in Himaqat, an event for budding and acclaimed writers to test their skills and to be pushed outside of their comfort zone. There were two rounds to the competition, including a preliminary article writing round and the main speech event held on-campus.

Vedant Vasistha (Team Leader), Rahul Joshi, Kartik Sharma, Students of BBA, School of Management have participated in a four-week Online Training Program and an International Entrepreneurship Competition on "Idea to Business" (I2B) organized by University Esa Unggul, Indonesia in collaboration with Academy of Entrepreneurs, Australia on August 21. The team's idea 'Playforme' has scored 2nd and 3rd places under the Best Potential impact on Social Issues and Best Potential Growth and Scale-up categories, respectively. Dr. Esha Jain coordinated the event under the guidance of Prof Swaranjeet Arora.

Conferences, Webinars, Workshops and International Lectures organized

Second International Conference NIC'2021
The School of Management and Liberal Studies organized the Second International Conference (NIC' 2021) on 'Resilience for Sustainability: Revisiting Management Practices and Strategizing for The Future' (Virtually) on March 26, 2021. The conference was organized in association with the University of the Fraser Valley, Canada; Nnamdi Azikiwe University, Awka, Nigeria and Debre Tabor University, Ethiopia. The Chief Guest for the inaugural session was Dr. M.S. Shyam Sunder, Adviser, NAAC (National Assessment and Accreditation Council), and Guest of Honor was Col. B. Venkat- Director, FDC, AICTE. The Keynote address was delivered by Prof. Prem Vrat, Pro-Chancellor; Professor of Eminence and Chief Mentor, The NorthCap University, Gurugram. Other dignitaries included Dr. Shyam Vyas, Professor, School of Business, the University of the Fraser Valley, Canada (India Centre), Prof. Emma. I. Okoye, Professor of Accountancy & Council Member, Nnamdi Azikiwe University, Awka, Anambra State, Nigeria; Dr. Anegagregn Gashaw, President of Debre Tabor University, Ethiopia; Dr. Punit Dwivedi, Group Director Modern Group of Institutions, Indore and Dr. D. P. Goyal, Chairman of Winntus and founder of Canwinn and member advisory of Indian Railway. Prof. Swaranjeet Arora was the Conference Chair. Dr. Neha Kumar, Dr. Preeti Chawla, Dr. Priyanka Banerji, Dr. Deergha Sharma, and Dr. Mansi Vinaik were the Conference Organisers. Eighty-one papers were presented by the participants on various topics related to Education, Health, Information technology, Marketing, Human Resource Management, General Management, and Finance. SOM2020CO001

Webinar on "Mental Health and Quality of Life of Married Working Women During Covid-19 Pandemic in India"
On the occasion of "World Mental Health Day" on October 10, 2020, SOM organized a Webinar on "Mental Health and Quality of Life Of Married Working Women During Covid-19 Pandemic In India. The National Commission sponsored the Webinar for Women, Government of India. Webinar Convener was Dr. Swaranjeet Arora, Head, SOM; Dr. Akshat Aditya Rao, Dr. Preeti Chawla, Dr. Neha Kumar, Ms. Mansi Vinaik, and Students Ms. SanyaDudeja, Ms. Aishwarya MV, and Ms. Mansi Yadav jointly. The Webinar was aimed to deliberate on the quality of life of married working women during COVID-19. The Webinar had six eminent speakers whose contribution and understanding of the field is immense. The speakers were Dr. Janak Palta McGilligan (Padmshree award recipient), the President of Association of Women Entrepreneurs, Indore, prominent Social Worker, Social Scientist and founder of Barli Development Institute for Rural Women; Prof. Prem Vrat, Chairman, Pro-Chancellor, Professor of Eminence, and Chief Mentor at The NorthCap University; Dr. Upinder Dhar, Vice-Chancellor Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore; Dr. Aditya Prakash Bhardwaj, Deputy Commissioner of Income Tax - Income Tax Department, Faridabad; Dr. Sunita Reddy, Associate Professor, Centre for Social Medicine and Community Health, Jawaharlal Nehru University, and Dr. Manisha Singhai, Associate Professor, Prestige Institute of Management & Research, Indore.

International Workshop on "Innovations in Digital Marketing"
International Workshop on "Innovations in Digital Marketing" April 10, 2021, was organized by the School of Management and Liberal Studies. The resource person was Ms. Shubhanshi Dhooper, Digital Marketing Manager, TransferGo London. The event attracted more than 200 young aspiring entrepreneurs from all over the nation to provide opportunities, encouragement and help them in paving the way for their accomplishments.

International Guest Session
International Guest Session on "How to publish in high ranked journals" was organized by the School of Management and Liberal Studies on May 01, 2021. Ph.D. scholars of SOM were the participants. The resource person was Dr. Sudhir Rana, Faculty, College of Healthcare Management and Economics, Gulf Medical University, Ajman, United Arab Emirates and senior editor with various journals of repute having Scopus and WOS indexing. Deergha Sharma, Dr. Mansi, and Ms. Minakshi under the guidance of Dr. Swaranjeet Arora, Head of Department, SOM.

Industrial Visit

Industrial Visits are an integral part of the curriculum and an essential element of the development process of management students. Being committed to imparting quality education, SOM organized a Virtual Industrial Visit to Yakult Danone Plant in Sonepat, Haryana on MS Teams on September 16, 2021, wherein more than 100 participants joined. Mr. Tushar Kumar and Mr. Adish from Yakult have virtually shown the plant, manufacturing process, factory operations, and activity management to make students acquainted with the inside functionary of the company. From their unique corporate structure and commitment to quality to their extensive community and social service programs, there's a lot that makes them stand out from the rest. The event was coordinated by Dr. Deergha Sharma, Dr. Mansi, and Ms. Minakshi under the guidance of Dr. Swaranjeet Arora, Head of Department, SOM.

Student Activities Organized by the Department

School of Management and Liberal Studies, The NorthCap University organized an online webinar on "Dig in Stocks: A webinar on how the stock market works" on January 29, 2021. Mr. Sri Harsha, MD of Shine Projects, was the speaker for the event and introduced the audience to the concept of stocks and stock markets in a very interesting manner. A quiz was also conducted during the event to make it more interactive. It was an inter-university event and attracted around 200 participants, with close to 60 participants from 20 institutions across India. The participants well appreciated the event. The event was organized and coordinated by Dr. Swaranjeet Arora, Dr. Akshat Aditya Rao, Dr. Mansi Vinaik, and Ms. Mahima Anand.

Live Panel Discussion on the Annual Union Budget 2021: Implications for Business

School of Management and Liberal Studies, the NorthCap University organized a Live Webinar on "Panel Discussion on the Annual Union Budget 2021: Implications for Business" on February 13, 2021. CS Gopesh Sahu, CA Govind Maheshwari, and CS Manish Shukla were the speakers for the event. This inter-institution event attracted 150+ participants, with close to 30% from 20 institutions/industries across India. During the session, a detailed discussion was undertaken on issues such as the growth rate of India's National Income, the announcement of higher capital expenditure for the financial year 2021-22, the boost to healthcare and infrastructure building, the fiscal deficit, and the know-how on its estimations of 9.5% of GDP for 2020-21 and 6.8% for 2021-22. Further, the government's provisions for the poor, the migrants, children, and senior citizens under various schemes were discussed. The event was organized and coordinated by Dr. Swaranjeet Arora, Dr. Deergha Sharma, Dr. Neha Kumar, Dr. Preeti Chawla, and Dr. Mansi Vinaik.

Exuberance Club Road Awareness Quiz Contests

The Exuberance club, School of Management, organized a "Be a Road Hero" quiz contest to check students' road signs knowledge and awareness on February 13, 2021, at the Quizziz platform. The traffic signs communicate the basic rules and regulations of the road through simple graphics that can be understood within seconds. Knowing and understanding traffic signs in totality is the foremost thing for all road users. In this inter-university event, 178 students participated. The event was coordinated by Ms. Mahima Anand (Faculty coordinator) and Ishita Garg, and Riya Rana (B. Com IInd year).

Exuberance Club Quiz on 'Alert Today- Alive Tomorrow'

The Exuberance club, School of Management, organized another quiz on safer street & road sense, Alert Today- Alive Tomorrow, on February 15, 2021, at Quizziz platform. Road safety campaigns are an important way to spread awareness among people about road safety measures and rules. The competition was an initiative to check and analyze the road sense of students. It was an inter-university event, and 78 students participated in the event. The event was coordinated by Ms. Mahima Anand (Faculty coordinator), Priyanka Arora, and Alisha Sahni (B. Com IInd year, Student coordinator).

Inter-University event on Basant Panchmi

"The festivals are like a map charting our spiritual progress in God." To celebrate our festivals in this pandemic, the Exuberance club, School of Management, took the Initiative to spread happiness and celebrate our culture on the occasion of Basant Panchmi on February 16, 2021. Two events were organized under the cultural fest: Basant Vibes: Style in Yellow and Yellow Delight. It was an inter-university event with 57 participants. The event was coordinated by faculty Ms. Mahima Anand and students Rupesh and Himanshi from BBA (IInd year)

Webinar on "Personality Development and Life skill Training

The Synergy Club organized an Inter college and Inter school Webinar on the Topic "Personality Development and Life skill Training" on February 10, 2021, by Speaker Sanskruti Joshi, a Professional Counselling Psychologist. The Webinar was a great successful event with approx. 150 Participants. Various discussions related to Daily Life, Personality Development, Positive Attitude, and various skills were followed by a doubt session. The Webinar helped students learn how to cope with daily stress and deal with various difficult situations the students faced in daily life. A quiz containing eight questions was conducted to know participants' general awareness and a feedback form. Dr. Preeti Chawla coordinated the event.

A Workshop titled 'ABCs of Mental Health: Rewiring Mind, Reviving Life.'

"Manovriti'-The Psychological Society, School of Management and Liberal Studies, NCU organized a Two Days Workshop titled "ABCs of Mental Health: Rewiring Mind, Reviving Life," from March 12– March 13, 2021. The workshop aimed to sensitize students towards common mental health challenges young adults face and their current significance in our personal and collective lives. The resource persons for the workshop were: Ms. Divita Rao, Psychologist, Mpower, BITS Pilani, Goa; Ms. Shwetha B., Ms. Julia Vanlalruati Pachuau, and Ms. Poonam Bir Kaur Sahota, certified Clinical Psychologist licensed under the Rehabilitation Council of India (RCI). Ms. Harshita Jha, Dr. Mansi Vinaik, Dr. Preeti Chawla, and Prof. Swaranjeet Arora served as faculty coordinators for the event. Mr. Apoorv Aggrawal, Ms. Cheshta Nandal, Ms. Mansi Parihar, Ms. Purvi Jain, and Ms. Aavya Joshi served as student coordinators.

Webinar on 'Revisiting Sustainability for a Dynamic Economy'

The Economic Collective (TEC), School of Management and Liberal Studies, and SAL organized an inter-institute webinar on 'Revisiting Sustainability for a Dynamic Economy' on March 11, 2021. Ms. Jayati Talapatra, a Member of the Women's Indian Chamber of Commerce & Industry, was the resource person for the Webinar. With the help of examples and case studies, the resource person enlightened the participants on sustainability, SDGs around the arena of the planet, people, and profit. Dr. Priyanka Banerji and Dr. Mansi Vinaik, and Prof. Swaranjeet Arora were the faculty coordinators. Ms. Nandani Chawla and Mr. Anmol Nagpal were the student coordinators.

Donation Drive by Exuberance Club

Exuberance Club, SOM organized a donation drive, 'Helping, Healing, Caring.' An Initiative by The Exuberance Club to spread happiness among the needy and celebrate The Joy of Giving on April 15, 2021. A donation was made under three categories: Cleanliness Items (soap, shampoo, detergent, Lysol, dish bar, handwash, etc.) Eatables (juices, chocolate, chips, biscuits, cold drinks, etc.) Safety and Hygiene (masks, sanitizer, gloves). The drive was a huge success; more than 250 donation entries with pictures were received. Ms. Mahima Anand coordinated the event.

Instamashup- Online Marketing Extempore

Marketing Marvels and Student Activities and Leadership Sub-Committee, The NorthCap University, organized an online marketing extempore event, "Instamashup," on Thursday, April 22, 2021. The students spoke over different topics given to them randomly. Mr. Lakshya Khanna, an entrepreneur and Digital Marketer was the judge for the event. The event received over 71 entries. Dr. Nimit Gupta, Dr. Akshat Aditya Rao, and Dr. Shilpa Sindhu, under the guidance of Dr. Swaranjeet Arora, coordinated the event.

Economic Conclave 2.0

The Economic Collective, NCU Chapter organized an Economic Conclave 2.0 on December 05, 2020. on Application of Economics from Health to Wealth. The event was held having Laburnum School, Indira Gandhi Sr. Sec. School and Pushpanjali modern public School as educational sponsors. The investiture ceremony took place on YouTube Live, https://youtu.be/FMkiVucUCls, where all the young students were prepared to don the mantle of leadership and discharge the responsibilities entrusted to them. The event witnessed participation from different schools and universities; the event was broadcast on YouTube Live to make it more accessible to the audience. Event recorded 100+ Registration and 400+ Views. Important issues were addressed during the discussion hour. The speakers delivered their views on the topic of different applications of economics from health to wealth, different aspects of economics in both regions, certain UN Goals, the impact of COVID-19, and the economy's recovery.

'Bollywood Buzzer' quiz competition

With Filmy style, Exuberance Club organized an event "Bollywood Buzzer" quiz competition on Saturday, December 05, 2020. The quiz was conducted at the Quizizz platform. Participants were asked 30 questions on Bollywood movies and actors. The event witnessed 106 participants, out of which the winner was chosen based on the maximum correct answers within the time frame. The main focus was to involve participants in Fun's essence and organize an event that makes the mind a little calm in today's stressful environment. Winners and participants were awarded e- certificates. The faculty coordinator of the event was Ms. Mahima Anand, along with student coordinators Ishita Garg and Parul Bansal.

Webinar on "Think Unique not Usual"

Dr. Nimit Gupta conducted a webinar on "Think Unique not Usual: A campus apart from NORTH and SOUTH or Learn the basics of managing a Business-Build your basics by applying for BBA @ NCU." In this invited workshop, Dr. Nimit Gupta addressed BBA students along with Prof Milind- Pro VC (OPS), NCU, and Mr. Anirudh, SPA, NCU, on September 02, 2021. This Webinar was organized by The NorthCap University, Gurugram, Haryana.

Webinar on Creative Thinking & Design Intelligence

School of Management & Liberal Studies, The NorthCap University has organized a "Creative Thinking & Design Intelligence" on April 07, 2021. Dr. Debarshi Mukherjee, Associate Professor & HOD, Department of Business Management, Tripura University, was the chief speaker. E-Certificates were given to all the participants. The Webinar is organized by Ms. Minakshi Sehrawat and Dr. Priyanka Banerjee under the guidance of Dr. Swaranjeet Arora.

Campus to Corporate Sessions

Campus to Corporate series was conducted from March 2021 to May 2021 for the final year MBA students. In the five-stage long process, they were exposed to Mock Interviews, Elevator Pitch, Open House Discussions, Specialisation, Wise Placement Discussions, and many more. The students' preferences were recorded in the tracker, and subsequently, placement opportunities were scanned and shared. Overall, the idea was to make students more industry-ready and clear with their placement goals. Another live session of "Campus to Corporates "is organized on April 29, 2021, to give tips on how the students can crack various campus placements interviews. The unconventional methods for clearing group discussion rounds were also discussed in the session. The speaker, Mr. Sunil Dua, working as Senior Regional Head in TIME, made the session interactive and worthwhile. The session was coordinated by Prof. Swaranjeet Arora, Dr. Deergha Sharma, Dr. Preeti Chawla, and Dr. Neha Kumar.

Ignited Chat Session

Marketing Marvels (Marketing Club) of The School of Management along with Student Activities and Leadership Sub-Committee(SAL), The NorthCap University organized an event Ignited Chat Session - Marketing Career Dangal in conversation with one of the University's marketing Professor Dr. Nimit Gupta, with our Alumni – Mr. Puneet Khanduja (Specialist-Marketing and Sales, Mercer and 4+ years' experience in theatre and camera acting) to discuss career opportunities in the surging marketing world to help them with their scepticism career thoughts/decisions uncomplicated on Thursday, May 06, 2021. The event carried on with a healthy discussion between the guest speaker and the host about his prior experience of being in the marketing world, followed by suggestions for the students.

We received an overwhelming response to the event as 102 students participated with great enthusiasm and had a prolific discussion. Two participants were given the certificate of appreciation for asking the most relevant questions. Dr. Nimit Gupta, Dr. Shilpa Sindhu, and Dr. Akshat Aditya Rao, under the guidance of Dr. Swaranjeet Arora, coordinated the event.

Webinar on "Role of Industry-Academia Tie-up and Employability Skills."
The School of Management and Liberal Studies organized an inter-institute event, Webinar, on "Role of Industry-Academia Tie-up and Employability Skills." Mr. Sumit Mukherjee, Cloud ERP Solution Architect, Sr. Solution Specialist, Deloitte USI, was the industry resource person. The event was organized on May 22, 2021, through Microsoft teams and was attended by about 100 participants from NCU and other institutes such as Jamia Millia Islamia, New Delhi. The event was coordinated by Prof. Swaranjeet Arora, Dr. Priyanka Banerji, and Dr. Mansi Vinaik.

Webinar on Personal Branding
Prof. Swaranjeet Arora, Prof. Nimit Gupta, and Dr. Priyanka Banerji, the School of Management and Liberal Studies, organized an inter-institute Webinar on Personal Branding on May 06, 2021. The speaker of the day was Ms. Kamal Anand. She is an executive advisor and product manager at LWT business Pvt. Ltd. The session started with brief introductions moving on to what is meant by personal branding.

Blog Writing Competitions
The Vitudyog (Finance) Club of The School of Management and Liberal Studies Organised Blog Writing Competition for the university students on various topics such as Future of E-Commerce after Covid19, Atmanirbhar Bharat, and Banking Cryptocurrencies. More than 25 students submitted blogs on the above topics between March 25 till March 28, 2021. Dr. Preeti Chawla, under the guidance of Dr. Swaranjeet Arora, coordinated the event.

Webinar HRdiya
HRdiya: The HR Club, School of Management and Liberal Studies NCU organized a webinar on The Psychological and Social Impact of COVID-19: New Perspectives of well-being by Ms. Sanskruti Joshi (Professional Counselling Psychologist) on May 13, 2021. Ms. Mahima Anand coordinated the event.

Bollywood Marketing Quiz
Marketing Marvels conducted a Bollywood Marketing quiz. This quiz was based on product placement. MUSKAN and AMAN coordinated it as the student coordinators under the guidance of Dr. Swaranjeet Arora, Dr. Nimit Gupta, Dr. Shilpa Sindhu, and Dr. Akshat Aditya Rao. This quiz required pre-requisites like the event poster, set of product placement questions, platform selection, and the quiz itself, among various other requirements. The student coordinators met these requirements under the faculty guidance. The quiz was held on August 26, 2021, on the Kahoot! Platform.

Webinar on "Find your Truth"
The School of Management at The NorthCap University organized a National Webinar on "Find your Truth – A talk on inner inspiration" by The Madman – Swapnil Tewari on August 26, 2021 (Thursday) 3:30 pm onwards. This event aimed to enlighten the participants about mental health and the importance of inner inspiration. Also, to foster the participants and audience to inspire from the life of Mr. Swapnil Tiwari. The session was conducted online mode on Microsoft Teams platform. There were over 40 participants from different courses of NCU and from other central Universities.

Blog Writing Competition
The Economic Collective of NCU organized An Inter-College "Blog Writing Competition" on the Topic: "Impact of Dark Web on The Economy." We had three honourable judges for the event, Mr. Puneet Khanduja, Ms. Alka Dhankar, and Ms. Sumedha Bansal.

Click a Picture and Create an AD, Event

Marketing Marvels (Marketing Club) of The School of Management, The NorthCap University, and SAL organized an event. Click a picture and Create an AD on October 10, 2020. Total 34 entries were received from the student participants in the event. The participants were instructed to submit the entries by October 09, 2020, by clicking a clear picture of any product that they like and writing a caption to promote it on Instagram and using relevant hashtags under the following categories: Fashion & Apparel, Electronics, Food & Beverages, FMCG, Automobile. We received overwhelming responses for the event as the students participated with great enthusiasm and had lots of entries with unique ideas and creative presentations. The winners of the event are Simran Dhamija (20CSU110) – 1st Prize, Tanya Sharma (18BBA077) – 2nd Prize, Mudit Sachdeva (19BBA053) & Lakshay Solanki (19MBA010) – 3rd Prize, Bharat Yadav (18BBA014) & Simran Sharma (20MBA019) – Consolation Prize. Ms. Priyanka Munjal and Dr. Shilpa Sindhu organized and moderated the event and were supported by Dr. Akshat Aditya Rao.

Faculty and Students Blogs and Newspaper clippings

Prof. Swaranjeet Arora, HoD, School of Management, gave a newspaper byte in the article in Education Times on "How universities are implementing NEP 2020" on August 02, 2021.

Prof. Swaranjeet Arora, Head, School of Management, published an article in BW Education on "E-Learning and Its Long-Term Effect on Students' Learning Ability in a Global Age" on August 04, 2021.

Prof. Swaranjeet Arora, HoD, School of Management, gave a newspaper byte in the article in Education Times on the topic, "Will women get more leadership roles as their numbers increase in B-schools," on July 14, 2021.

Prof. Swaranjeet Arora, HoD, School of Management, gave a newspaper byte in the article in Education Times on the topic, "Studying Development Communication can help you be a changemaker," on July 07, 2021.

"Dr. Swaranjeet Arora, Professor and Head of the Department, School of Management & Liberal Studies, published an article in The Hindustan Times, Education on September 08, 2021, on "How a dual specialization in MBA gives an edge to graduates?"

Dr. Swaranjeet Arora, Professor and Head of the Department, School of Management & Liberal Studies, published an article in Higher Education Digest on "Do You Know Why Economics Is the Most Sought-after Domain After Technology and Medicine?" on September 09, 2021.

"Prof. Swaranjeet Arora, HoD, School of Management, gave a newspaper article in Hindustan Times on the topic, "What courses can boost your career in management," on September 15, 2021."

An educative article authored by Dr. Nimit Gupta having the title- 3P's of Mentoring- Progressive, Perpetual and Process-oriented is published with Education Jagat- Vol 5 Issue 24.

Minakshi Sehrawat, Assistant Professor, School of Management, has written a blog on 'What does it take to become a successful businessman'?

A Blog, "Introduction to R programming course," was written by Dr. Mansi Vinaik on March 09, 2021.

Faculty Contributions in Conference/FDP/Training/Session/Webinars

Faculty, and Students at SOM have participated in various Conference/FDP/Training/Session/Webinars and published quality papers in reputed journals. Details are provided under Appendix B, C and F

School of Law

The vision of the School of Law is to be ranked amongst some of the best law schools in India and the most preferred Private University destination for law aspirants. The School of Law at The NorthCap University provides the highest quality professional law courses in Gurugram to equip the students for a transnational practice and to face the challenges posed by the internationalization of the legal profession.

Programmes & Admission Criteria

The School of Law offers three programmes 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 PhD programme 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.

Research Orientation
Four members of the faculty are pursuing research. Dr Unanza Gulzar, Assistant Professor and Pallavi Bajpai Assistant Professor (Sr. Scale) were conferred PhD in Law by Jamia Millia Islamia, Delhi and Panjab University respectively.
6 Research Scholars are pursuing PhD in SOL in the field of Human Rights, Constitutional Law, Intellectual Property Rights, Civil Laws, Foster law, Science and Technology Law, Environmental Law, Corporate Law, Administrative Law, Criminal Law and Business Law. This year in the month of September 2020, NCU Law Review Vol.1, Issue 2 (September, 2018) has been published in which both National and International authors contributed.

Women's Day Celebration 2021
On the occasion of International Women's Day, 2021, School of Law, The NorthCap University in association with Virtual Lawyer, an initiative by Dr. (Prof.) Manjula Batra. To promote virtual legal education through live sessions on YouTube, organized a panel discussion on "Promoting Gender-Sensitive Justice through the Judicial Process." This event was organized on March 9, 2021, on the platform- YouTube Live on TheVirtualLawyer Channel.
The event was moderated by Dr. (Prof.). Manjula Batra, Professor, School of Law, The NorthCap University, Formerly Dean Jamia Millia Islamia. The Speakers for the event were - Justice Sangita Dhingra Sehgal, President of the State Consumer Dispute Redressal Commission, Former Judge, Delhi High Court; Ms. Pinky Anand, Senior Advocate, Supreme Court of India, Former Additional Solicitor General of India; and Ms. Geeta Luthra, Senior Advocate, Supreme Court of India. The event was honored with the presence of these eminent women. Further, the vote of thanks for the event was delivered by Dr. Archana Sharma, Head of Department. The faculty coordinator for the event was Ms. Mahima Mahajan, Assistant Professor, School of Law, The NorthCap University, and the student coordinator, Ms. Nikky Jha, a third-year law student.

Webinar to Celebrate 75 years of India's Independence
School of Law organized a webinar to celebrate 75 years of India's Independence on "India's Freedom Struggle" on March 12, 2021. The speaker for the event was Ms. Arushi Anthwal, Assistant Professor, School of Law, The NorthCap University. Ms. Mahima Mahajan coordinated the event.

Workshop on "Intellectual Property Rights and IP Management for Startup"
The CIPRART School of law, in association with Institutions Innovation Council, organized a workshop on "Intellectual Property Rights and IP Management for Startup" on March 6, 2021, over a virtual platform. The workshop speakers were Ms. Pooja Kumar (Director, Innove Intellects LLP, and registered Patent agent) and Dr. Kalpesh Kumar L. Gupta (Associate professor of law, Parul University, Vadodara and founder Pro-Bono India, legal Startup). Ms. Pooja delivered on the topic "IPR Management and Startup." Dr. Kalpeshkumar delivered on the topic "Startup and Innovation in Legal field."

Rotaract Club Won 3 Awards at an Annual Ceremony
Rotaract District 3011 organized an annual ceremony to present awards to all those clubs who have contributed and performed exceptionally well throughout the year. Rotaract Club won three awards:
·   Successfully organizing DRR's official visit
·   Best Contribution during Covid Pandemic
·   Outstanding President of the Year award

The Rotaract Club, NCU, organized the momentous ceremony of DOV and Installation of Rtr. Ruchika

Celebration of Senior Citizen's Week
School of Law, of The NorthCap University in association with the Rotaract Club, the Legal Aid Society, and the District Legal Services Authority (DLSA) organized and celebrated 'Senior Citizens' Week' from September 29 to October 6, 2021.

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- In line with the initiative, the outreach activities were conducted on 4th and 5th October 2021, whereby the School of Law students interacted with the senior citizens at India Bulls sector 104 Gurugram and the old age home residents' Sector 4, Gurugram.
- Also, to enhance and promote virtual legal education through live sessions on YouTube, a workshop on "Digital Equity for the Elderly: Access, Inclusion, and Protection" was also organized.

These endeavors was undertaken under the expertise of the faculty coordinator - Dr. Tavleen Kaur Khurana and the outreach activities were coordinated by Dr. Pallavi Bajpai and Ms. Shiksha Dahiya, faculty members, School of Law, The NorthCap University.

Seventh Edition of the National Client Consultation Competition

SOL organised The Seventh Edition of the National Client Consultation Competition on Microsoft Teams on October 29 and 30, 2021. The competition aimed at promoting greater knowledge and enhancing practical skills among student advocates in the preventive law and counseling functions of legal practices. Thirty teams from all over the nation participated. The inauguration ceremony was graced by Hon'ble Chief Guest, Hon'ble Mr. Justice Mukul Mudgal, Former Chief Justice of Punjab & Haryana, High Court. The winners Mr. Shaunak Choudhury and Ms. Aishwarya Bhattacharya were from SVKM's NMIMS Kirit P. Mehta, School of Law. Cash Prize of Rs 5,000; Certificates, and Two one-year complimentary subscriptions to SCC Online Web Edition were given to Ms. Tulika Bhattacharya and Ms. Nishi Kaur from the Rajiv Gandhi National University of Law. The runners-up were awarded Cash Prize up to Rs. 2,000 and Certificates along with two half-yearly complimentary subscriptions to SCC Online Web Edition. The event was organized by Deborisha Dutta, Dr. Pallavi Bajpai, and Himangshu Rathee.

Faculty Contributions in Conference/FDP/Training/Session/Webinars

Throughout the year, faculty members were involved in various outreach activities to deliver lectures, judge Moot Court competitions, attending Conferences, Faculty Development Programmes and conduct workshops at reputed Law universities . They also up-skilled and expanded their capabilities to remain contemporary and relevant by participating in various Conference/FDP/Training/Session/Webinars and have published quality papers in reputed journals. Details are provided under Appendix B, C and F

PARTICIPATION BY THE STUDENTS

Law students presented a paper in International Seminar

Four students of 4th year BBA LLB -Samarth Makhija, Rohit Choudhary, Riya Bahargava, Harshit Sharmahave presented papers on various topics in International Seminar on Crimes against Children: Evolving strategies for investigation and prosecution organized by Kerala Law Academy Law College in association with CLEAR on March 6, 2021.

Law students presented a paper in Virtual National Symposium

Four students of 4th year BBA. LLB (Aditya Yadav, Prerna Khandelval, Saachi Chaudhary, Poorvi Garg) have presented papers on various issues in the One-day Virtual National Symposium on "Transformation of criminal justice system in India, organized by the School of Legal Studies at KR Mangalam University on April 9, 2021. SOL2021O031

Law Students NCU participated in National Moot Court Competition.

School of Law congratulates Priyanka Yadav, Shivika Nagpal, and Nidhi Yadav of 3rd year BBA. LLB participated in the 1st Virtual National Moot Court Competition organized by The Assam Royal Global University on 21st and 22nd April 2021.

School of Professional Attachment (SPA)
Placements – Class of 2021

Campus Placement Process of Deloitte

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

SPA enhances students' employability through improved industry internship attachment, often culminating in placements, increased students' 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. SPA equips students with the right kind of skills and attitude to become more effective, efficient, and productive in their employer's organization.

NCU has taken a new initiative to evaluate students' employment readiness and gap analysis by outsourcing it to the company 'Aon CoCubes,' which does third-party assessments for B.Tech graduating students on behalf of hiring companies. In addition to providing student-centric deliverables like assessment scores and improvement areas, it also helps to generate employment leads for the students with its impaneled companies.

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

– Communication Skill

– Aptitude &

– Domain Area

The NorthCap University, Gurugram, is in continuous pursuit of all-around excellence in Technical, management & Law education through narrowing the gap between academia and industry.

Campus Placements Seasons 2021

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, 200+ companies are recruiting from the University.

SPA's relentless efforts resulted in over 90% placements of eligible students from all the three Schools – School of Engineering & Technology, School of Management, and School of Law, Class of 2021. Placements were achieved in premier companies like Deloitte, United Health Group-Optum, Ernst & Young, IBM, Fidelity, Real-Time Data Services, Protiviti, NCR Corp, Nagarro, TCS, Capgemini, JCB India, NCML, Escorts, HSA Legal and Accenture, etc. Positive feedback of the previously employed students from the employer organizations resulted in these companies returning for campus placements with more inclusions each year.

As regards internships, Nishant Khatri, Prabal Goyal & Prakhar Bhatnagar (Class of 2021) were selected as interns at Deloitte. Later, all three received the Pre Placement Offer with the salary package of Rs 7.6 LPA, and Mudit Bajaj, Nikhil Taneja, Shreyansh Mamgain & Shruti Jain (Class of 2021) were selected as an intern at Fidelity. Later all four went to the Pre Placement Offer with the salary package of Rs. 5.5 LPA

Besides placements, a number of our students have gone in for higher studies in India, including IITs, and abroad to 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.

S.NO.	CAMPUS 2021	B.Tech CSE	B.Tech ECE	B.Tech ME	B.Tech Civil	B.Tech Total	MBA	LAW
1	STRENGTH	177	33	33	7	250	30	78
2	NOT ELIGIBLE	17	4	7	2	30	5	7
3	NOT APPLYING DUE TO FAMILY BUSINESS or HIGHER STUDIES	44	12	4	2	62	18	14
4	ELIGIBLE & INTERESTED FOR PLACEMENT	116	17	22	3	158	7	57
5	NUMBER OF STUDENTS PLACED	113	15	20	3	151	5	48
6	% PLACEMENTS	98%	89%	91	100%	96%	72%	85%

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Some Leading Recruiters

PhD Programme

No of Students	Department	Broad Area
37	Computer Sciences & Engineering and Information Technology	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, Cloud Computing, Fog Computing, Distributed Environment
29	Applied Sciences	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 Chemistry: Nano -chemistry, Organic Chemistry, Environmental Chemistry, Biochemistry, Biophys ical Chemistry, Biosensors, Electrochemistry, Lateral flow assay Maths: Image Processing, Queueing Theory, Data Analytics, Graph Theory and Discrete Maths, Coding Theory, Approximation Theory, Operations Research, Applied Mathematics, Differential Equation s, Control theory, Computational Fluid Dynamics
29	Electrical, Electronics & Communication Engineering	Wireless Communication, Signal, Speech and Image Processing, VLSI and Semiconductor devices, Power System, Renewable Energy, Control System, Biomedical Electronics
4	Mechanical Engineering	Thermo -Fluid Engineering, Industrial Engineering, Production Engineering, Mechanical Engineering Design, Waste management, Refrigeration and Air conditioning
6	Civil Engineering	Geotechnical Engineering, Structural Engineering, Water resources, Environmental Engineering
6	Centre for Language Learning	American Literature, Canadian Literature, British Literature, Indian Writing in English, Feminist Writing
21	Management	Finance, E conomic, Marketing, HRM, Operations
9	Law	Human Rights Law, International Law, Environmental Law, Constitutional Law, Personal Laws, Criminal Laws, Intellectual Property Rights (IPR) Laws, Corporate Law Commercial Dispute Settlement Law, Technology Law

141 doctoral students are currently registered with the University to carry out their doctoral dissertation research work: SOET – 111, SOL - 9, SOM - 21. Three students have submitted Ph. D. thesis and eight have submitted Ph.D. synopsis.

Publications, Research and Development

November 2020 – October 2021

S.no	Department	Total no. of Publications	Book/Book Chapter National/ International	Journal National/ International	Conference Proceedings National/ International
1.	Applied Science	26	03	19	04
2.	CSE Eng.	47	11	27	09
3.	Mech Eng.	06	0	06	0
4.	ECE Eng.	28	04	20	04
5.	Civil Eng.	02	01	01	0
6.	SOM	36	06	28	02
7.	SOL	04	01	03	0
8.	CLL	08	03	04	01

90% of NCU faculty members are either PhD or pursuing PhD. In Convocation Ceremony 2021, 11 PhD Scholars will be awarded degree.

S.NO	NAME	BROAD AREA
1	Monica Malhorta	EXPERIMENTAL & NUMERICAL INVESTIGATION OF THE EFFECT OF PRE-EXISTING NEARBY CONDUIT OR UTILITY TUNNEL ON THE LOAD CARRYING CAPACITY OF DEEP AND SHALLOW FOUNDATION
2	Neeti Kashyap	APPLICATION OF METAHEURISTIC SEARCH TECHNIQUES FOR THE SERVICE COMPOSITION PROBLEM IN INTERNET OF THINGS
3	Indu Bala	A COMPREHENSIVE LEARNING GRAVITATIONAL SEARCH ALGORITHM AND ITS APPLICATIONS
4	Ritu Dhingra	SUSTAINABLE DEVELOPMENT AND LAWS RELATING TO FOREST AND BIODIVERSITY CONSERVATION: AN ANALYTICAL STUDY IN INDIAN PERSPECTIVE
5	Mani Bansal	A STUDY ON WISDOM: MEASUREMENTS AND LEARNING INTERVENTION
6	Anita Sharma	PERFORMANCE EVALUATION OF UNDERLAY COGNITIVE RELAYED NETWORKS UNDER INTERFERENCE CONSTRAINTS
7	Hitesh	FEATURE SELECTION IN SOFTWARE PRODUCT LINE USING METAHEURISTIC TECHNIQUES
8	Meenakshi	CONVECTIVE INSTABILITY AND HEAT TRANSFER IN NEWTONIAN AND NON-NEWTONIAN NANOFLUIDS
9	Shri Dhar	OPTIMIZATION OF DISCHARGE PATTERNS IN PARKINSON DISEASE USING PARTICLE SWARM OPTIMIZATION ALGORITHM
10	Rajesh Kumar	STUDY OF SEISMIC WAVES IN THE CONTEXT OF GENERALIZED THEORIES OF THERMOELASTICITY
11	Shradha Singh Pariha	ANALYSING THE IMPACT OF OPTIMALLY ALLOCATED MULTI-TYPE DISTRIBUTED GENERATION IN RADIAL DISTRIBUTION NETWORK

Sponsored Research Projects (January 2021 - November 2021)

S.No	PI & Department	Project Title	Scheme	Duration (yrs)	Date of Sanction	Total Funds received (Rs. Lakhs)	Status
1.	**Dr. Akansha Singh** , Co-PI: Ms. Sumanlata Gautam (CSE)	Emotion recognition system for autistic children	DST (CSRI)	3	11.05.2016	₹ 7.40	Completed
2.	**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	Ongoing
3.	**Dr Anjali Garg** (ECE) Mentor: Prof. B.K Das	Power generation and control of solar energy	DST (WOSA	3	11.03.2019	₹ 15.98	Ongoing
4.	**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	₹ 0.75	Ongoing
	Total in Lakhs					**₹ 38.23**	

During the reporting year, three research projects for a total amount of Rs 54.47 Lakhs have been sanctioned by funding agency and Rs 30.83 Lakhs has been received till date. One DST project of Rs 7.40 Lakh has been completed in 2021.

In addition to these, 6 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, 108 journal papers have been published in refereed journals (from January 2021 to November 2021). Also, Year 2021 remained a productive year for books, book chapters and journal publications. Details of which are placed in 'Appendix – H' 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.	Dr. Swarnjeet Arora	Mental Health and Quality of Life of Married Working Women in India.	SOM	1	50,000
2.	Dr. Kavita Khanna and Dr Prachi	Development of Machine Learning based approach for efficient Android Malware Detection and Reverse Engineering	CSE	1	4,52,174
	Total				**5,02,174**

Dean's List

Discipline UG Courses	Total Strength Total	Total Passed	First Class with Distinction	First Class	Second Class
B.Tech. -CSE	182	175	28	136	11
B.Tech. -CV	7	7	1	6	
B.Tech. -ECE	34	34	3	27	4
B.Tech. -ME	35	35	1	26	8
B.Sc.(H)-Maths	16	16	3	11	2
B.Sc.(H)-Physics	7	6		6	
BBA	106	102	7	73	22
B.COM. (H)	57	55	7	45	3
BBA-LLB	81	82	7	62	13
Pass Percentage (97.52%)	525	512	57	392	63
Discipline PG Courses	Total Strength	Total Passed	First Class with Distinction	First Class	Second Class
M.TECH.-CSE (FT)	5	3	1	2	
M.TECH.-CV (FT)	3	3	1	2	
M.TECH.-CV (PT)	4	4	1	3	
M.TECH.-ECE (FT)	2	2	1	1	
M.TECH.-ME (PT)	2	2	1	1	
M. Sc. - Maths	11	11	3	8	
MBA	31	31	3	25	3
LLM	16	14	1	11	2
Pass Percentage (94.59%)	74	70	12	53	5
Ph.D.		9			
Total		591			

Appendix A

Sl. No.	Title of the FDP	Department	Program Start date	Program end date	Name of the speaker/expert
1	Deep Learning	CSE	1st Oct 2020	26th Dec 2020	Mr. Manuj Chandra
2	Natural Language Processing	CSE	26th Dec 2020	7th Jan 2021	Mr. Manuj Chandra
3	Cloud Computing	CSE	04-Jan-21	08-Jan-21	Ms. Monika Yadav
4	Workshop on EdTech Entrepreneurs	CSE	07-Jan-21	07-Jan-21	Mr. Amit Nevatia
5	Applied Computation Statistics	CSE	04-Jan-21	08-Jan-21	Dr. Nitin Malik
6	Graphic Design	CSE	4th Jan 2021	12th Feb2021	Ms. Nisha Arya
7	Blockchain	CSE	04-Jan-21	08-Jan-21	Dr Pooja Sapra
8	Blockchain	CSE	7th April 2021	30th June 2021	Dr. Manuj
9	University Level Faculty Development Program on "New Digitally Enhanced Education- 2.0"	CSE	05-Jul-21	12-Jul-21	Mr. Ritesh Kumar Prof Rekha Vig Prof Kavita Khanna Dr. Anbu Rathinavel Mr. Ramakrishnan V., Dr. Agueda Benito Ms. Aticka Dhandia, Dr. Alberto Moreno Dr. Aiman Kazybayeva, Ms. Kanika Gupta Mr. Sumit Kumar
10	National level FDP on "Research Trends in Computer Vision and Natural Language Processing" organised by NCU, Gurugram	CSE	19-Jul-21	23-Jul-21	Dr. Bimlesh Wadhwa Dr. Rita Chhikara Dr. Surbhi Bhatia Prof. R.K. Agrawal Dr. Aditya Nigam Prof. Dinesh K Vishwakarma Mr. Abhinav Dube Prof. B.Chandra Dr. Poonam Chaudhary Dr. Haider Raza Prof Shampa Chakraverty
11	National level FDP on "How to Exploit (Secure) Web Applications" organised by NCU, Gurugram	CSE	26-Jul-21	30-Jul-21	Mr. Tarun Ankit Pahuja Keshav Maheshwari Sanjeev Multani Anand Krishna Aditya Jain Prabhanker Triphati Dr.Mehak Khurana Dr.Prachi Dr.Shilpa Mahajan
12	FDP on Optimization Methods for Machine Learning and Deep Learning Models	CSE	20-Sep-21	24-Sep-21	Prof. R.K. Agrawal

Appendix B

Sl. No.	Name of the Award / Program	Awarding Agency Name	Type of Award (National/ International)	Name of Faculty	Designation
1.	Commendable Research Award	Delhi Technological University	National	Ms. Srishti Vashishtha	Assistant Professor, CSE
2.	FIVE YEARS of active participation and dedicated service in Cisco Networking Academy	CISCO	International	Dr. Shilpa	Assistant Professor (Sel. Grade), CSE
3.	FIVE YEARS of active participation and dedicated service in Cisco Networking Academy	CISCO	International	Dr. Neeti	Assistant Professor (Senior Scale), CSE
4.	Speaker in the AICTE-AQIS sponsored One Week Short Term Training Programme (STTP) on Image Processing and its Application, Delivered one session on Image Steganography, and another session on demonstration on Tools of Steganography	Department of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur	National	Mehak Khurana	Assistant Professor, CSE
5.	Speaker in Short Term Training Programme (STTP) under AQIS on Image Processing and its Application, Delivered session on Steganography and Implementation of Steganography	Department of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur	National	Mehak Khurana	Assistant Professor, CSE
6.	Certification	CyberOps Instructor Training	International	Dr. Shilpa Mahajan	Assistant Professor, CSE
7.	Certification	CyberOps Instructor Training	International	Ms. Hitesh Yadav	Assistant Professor, CSE
8.	Participant certificate for Active Instructor	CISCO	International	Ms. Neeti Kashyap	Assistant Professor, CSE

9.	Certification	DEvNet Instructor Training	National	Ms. Neeti Kashyap	Assistant Professor, CSE
10.	AWS Certified Cloud Practitioner	Amazon Web Services	International	Ms. Monika Yadav	Assistant Professor, CSE
11.	AWS Certified Cloud Practitioner	Amazon Web Services	International	Ms. Prerna	Assistant Professor, CSE
12.	AWS Academy Accredited Educator	Amazon Web Services	International	Ms. Monika Yadav	Assistant Professor, CSE
13.	AWS Academy Accredited Educator	Amazon Web Services	International	Ms. Prerna	Assistant Professor, CSE
14.	Speaker in 5 days FDP	National Institute of Technical Teachers Training & Research, Chandigarh	National	Mehak Khurana	Assistant Professor, CSE
15.	Speaker in 2 weeks FDP	National Institute of Technical Teachers Training & Research, Chandigarh	National	Mehak Khurana	Assistant Professor, CSE
16.	Speaker in FDP	National Institute of Technical Teachers Training & Research, Chandigarh	National	Mehak Khurana	Assistant Professor, CSE
17.	Speaker in AICTE ATAL Online FDP	Poornima Institute of Engineering Technology,	National	Mehak Khurana	Assistant Professor, CSE
18.	Session chair and speaker	MD University, Ajmer	National	Anvesha Katti	Assistant Professor, CSE
19.	Session chair and speaker	MD University, Ajmer	National	Anvesha Katti	Assistant Professor, CSE
20.	Invited Talk	Amity Institute of Aerospace Engineering	National	Priyanka Vashist	Assistant Professor, CSE
21.	Session Chair	Organised jointly by Jan Wyzykowski University Poland, Panipat Institute of Engineering and Technology, India & IIS (Deemed to be University)	International	Dr. Pooja Spara	Assistant Professor, CSE
22.	Invited Speaker	II-Cell, The NorthCap University	National	Dr. Rita Chhikara	Assistant Professor, CSE
23.	Invited Speaker in 5 Days FDP	"ATAL FDP on 2021-22 Research Trends in Computer Vision and Natural Language Processing"	National	Dr. Rita Chhikara	Assistant Professor, CSE

24.	Invited Speaker in 5 Days FDP	Atal FDP on 2021-22 How to Exploit(Secure) Web Applications	National	Dr.Shilpa Mahajan	Assistant Professor, CSE
25.	Invited Speaker in 5 Days FDP	Atal FDP on 2021-22 How to Exploit(Secure) Web Applications	National	Mahak Khurana	Assistant Professor, CSE
26.	Invited as Speaker	II-Cell, The NorthCap University	National	Dr. Nitin Malik	Assistant Professor, CSE
27.	Invited as Speaker in 5Days FDP	Atal FDP on 2021-22 How to Exploit(Secure) Web Applications	National	Dr.Prachi	Assistant Professor, CSE
28.	Invited Speaker	K R Mangalam University, Gurugram	National	Dr. Nitin Malik	Assistant Professor, CSE
29.	Invited Speaker	Creators Garage, The NorthCap University	National	Sumit Kumar	Assistant Professor, CSE
30.	Invited Speaker	Creator Garage	National	Dr.Prachi	Assistant Professor, CSE
31.	Invited Speaker	Institute of Information Technology and Management, GGSIPU, New Delhi	National	Dr. Pooja Sapra	Assistant Professor, CSE
32.	Invited Speaker	TIT&S,Bhiwani	National	Dr Meghna Sharma	Assistant Professor, CSE
33.	Invited Speaker	Hindusthan College of Arts and Science, Coimbatore	National	Dr Meghna Sharma	Assistant Professor, CSE
34.	Invited Speaker	DEPSTAR, CHARUSAT, Ahmedabad, Gujarat	National	Dr. Vidhi Khanduja	Assistant Professor, CSE
35.	Invited Speaker	IEEE NCU - TEMS	National	Sumit Kumar	Assistant Professor, CSE

Appendix C

Sno.	Faculty Name	Department	Program Type (Workshop/ Training/ Seminar/FDP)	Title of Workshop/Seminar
1	Ms Chaitali Bhowmik	CSE	Workshop	NPTEL E-Awareness workshop
2	Ms Chaitali Bhowmik	CSE	Workshop	Digital Educational Initiatives
3	Dr.Shilpa mahajan	CSE	Workshop	NPTEL E-Awareness workshop
4	Sumit Kumar	CSE	FDP	FDP on AI & Automation
5	Dr Divya Jain	CSE	FDP	Artificial Intelligence and Automation
6	Dr. Divya Jain	CSE	Workshop	Accelerated Data Science
7	Dr.Shilpa Mahajan	CSE	FDP	Cyber Security
8	Dr.Shilpa Mahajan	CSE	STTP	Challenges and Research Directions for Blockchains in the Internet of Things
9	Dr. Neeti Kashyap	CSE	FDP	FDP on IoT
10	Dr. Anuradha	CSE	Short Term Training	STTP Certificate of ISEA 2021 INFORMATION SECURITY IN THE ERA OF DEEP LEARNING
11	Anuradha	CSE	Advances in Artificial Intelligence and Machine Learning	Innovation
12	Shilpa	CSE	Online Workshop	Vulnerability Assessment and Malware Analysis
13	Dr. Neeti Kashyap	CSE	FDP	FDP on Research Trends in Computer vision and NLP
14	Dr. Hitesh	CSE	FDP	FDP on Research Trends in Computer vision and NLP
15	Ms. Chaitali Bhowmik	CSE	FDP	How to Exploit (Secure) Web Applications
16	Dr Divya Jain	CSE	FDP	How to Exploit (Secure) Web Applications
17	Sumit Kumar	CSE	FDP	How to Exploit (Secure) Web Applications

18	Dr. Rita Chhikara	CSE	Training	Innovation Ambasador
19	Dr. Anvesha Katti	CSE	FDP	How to Exploit (Secure) Web Applications
20	Dr. Anvesha Katti	CSE	FDP	"Research Trends in Computer Vision and Natural Language Processing"
21	Dr.Ashwini Rahangdale	CSE	FDP	"Research Trends in Computer Vision and Natural Language Processing"
22	Dr Shaveta Arora	CSE	FDP	"Research Trends in Computer Vision and Natural Language Processing"
23	Dr Shaveta Arora	CSE	Training	Enterprise Design Thinking from IBM Skill Build
24	Dr Nitin Malik	CSE	FDP	"Research Trends in Computer Vision and Natural Language Processing"
25	Dr Nitin Malik	CSE	FDP	New digitally enhanced Education 2.0
26	Dr Hitesh	CSE	FDP	How to Exploit (Secure) Web Applications
27	Dr Sujata	CSE	FDP	New digitally enhanced Education 2.0
28	Ms. Gurjapna Anand	CSE	FDP	Cyber Security
29	Dr. Pankaj Agarwal	CSE	FDP	Deep Learning and Applications
30	Dr Divya Jain	CSE	FDP	Data Sciences
31	Dr Divya Jain	CSE	FDP	Data Science and machine Learning with Python
32	Nishi Gupta	CSE	FDP	Fog and Edge Computing Challenges and Research Directions
33	Priyanka Vashisht	CSE	FDP	Fog and Edge Computing Challenges and Research Directions
34	Divya Jain	CSE	FDP	Introductory Data Science and Deep Learning
35	Dr. Anvesha Katti	CSE	FDP	Optimization Methods for Machine Learning and Deep Learning
36	Dr. Ashwini Rahangdale	CSE	FDP	Optimization Methods for Machine Learning and Deep Learning
37	Dr. Pankaj Agarwal	CSE	FDP	Optimization Methods for Machine Learning and Deep Learning

38	Dr. Poonam Chaudhary	CSE	FDP+ Online Course	Deep Learning
39	Dr. Poonam Chaudhary	CSE	FDP+ Online Course	Business Analytics for decision making
40	Dr. Vidhi Khanduja	CSE	FDP+ Online Course	Cryptography and Networking Security
41	Dr. Pooja Sabherwal,	EECE	Summit	5-day virtual global technology summit CARNEGIE India from 14-18th December 2020
42	Dr. Pooja Sabherwal,	EECE	Session	ARIIA 2021 - Orientation and Demonstration of Data Submission Portal" held on December 22, 2020
43	Dr. Pooja Sabherwal,	EECE	Session	Innovation Ambassador Program & Benefits on November 27 by the Ministry of Education's Innovation Cell, AICTE, New Delhi.
44	Dr. Anjali Garg	EECE	Workshop	The Safe Campus Program Session organized by the Association of Indian Universities and the Martha Farrell Foundation on 30-31st July 2021.
45	Dr. Vandana Khanna	EECE	Online Internship Program	Physical Design & Verification' conducted by Entuple Technologies from January 29 to March 18, 2021.
46	Dr. Pooja Sabherwal	EECE	Training	She completed the training for innovation ambassador, awarded As Innovation Ambassador and asked to join the Innovation Ambassadors (IAs) League of Ministry of Education's Innovation Cell, AICTE, New Delhi.
47	Dr. Anjali Garg	EECE	Courses on Coursera	Use Canva to Design Digital Course Collateral" Covid-19 Contact Tracing
48	Dr. Vandana Khanna	EECE	NPTEL AICTE Faculty Development Programme	'VLSI Physical Design' by Prof. Indranil Sengupta, IIT Kharagpur, with an Elite+Silver badge.

49	Dr. Vaishali Sahu	CEE	Innovation Ambassador Training, MoE Innovation Cell & AICTE	Foundation Level Innovation Ambassador (IA) training
50	Dr. Vaishali Sahu	CEE	Seminar	Sustainability - New Key Driver of Innovation
51	Dr. Vaishali Sahu	CEE	Workshop	Innovation for Sustainable Development
52	Dr. Vaishali Sahu	CEE	Conference	Water quality assessment and risk analysis of Sukhna Lake, Chandigarh, India
53	Dr. Vaishali Sahu	CEE	Seminar	Role of a Civil Engineer in Attaining Sustainability
54	Prof. Ram Karan Singh	CEE	Global Edu-Conclave	Keynote speaker on UN Sustainable Development Goals
55	Dr. Satnam Singh	ME	AICTE Faculty Development Programme	"Design Thinking" from 04-01-2021 to 08-01-2021 organised by C. V.Raman Global University
56	Dr. Roshan Raman	ME	Faculty Development Programme	"Computational Fluid Dynamics for Heat and Fluid Flow Applications". This course was sponsored by Dr. A.P.J. Abdul Kalam Technical University from 22nd – 26th Feb 2021
57	Dr. Roshan Raman	ME	Faculty Development Programme	5-day Refresher Course on "Emerging trends in Refrigeration and Air-Conditioning". This course was approved by AICTE-ISTE and organized by College of Engineering, Pune from 15th – 20th Mar 2021.
58	Dr. Satnam Singh	ME	Faculty Development Programme	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 26th – 10th Aug 2021.
59	Dr. Satnam Singh	ME	Innovation Ambassador Training, MoE Innovation Cell & AICTE	Foundation Level Innovation Ambassador (IA) training
60	Dr. Roshan Raman	ME	Faculty Development Programme	One-Week Faculty Development Program on "Advancement in Mechanical Engineering (AME-2021)" from 6th to 10th September 2021 organized by RKGIT in association with AKTU, Lucknow.
61	Dr. Roshan Raman	ME	Faculty Development Programme	Two-Week Faculty Development Program (FDP) on "Opportunities and Challenges on Electric Vehicle" from 16th to 27th August 2021 organised by Sharda University.
62	Dr. Akanksha Mathur	ME	Workshop	Two-day National Workshop on "Solid Waste management" from 30 – 31 July 2021 organised by Delhi Research Implementation and Innovation, IIT Delhi.
63	Dr. Vandana Khanna	EECE	Online Course by Udemy	VSD-Physical Design Flow course on 11th May 2021.

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S. No.	Faculty Name	Program Type (Workshop/ Training/Seminar/ FDP)	Title of Workshop/Seminar	Faculty Role
1.	Dr. Swaranjeet Arora	Member	Nominated as a member of the independent expert committee for evaluating the solution/courses of National Educational Alliance for Technology (NEAT) 2.0. She has evaluated the solutions/courses of NEAT 2.0.	Expert Member
2.	Dr. Swaranjeet Arora	International Conference	MRCON 2021 International Conference on Re-inventing Business, Entrepreneurship and Sustainability in the Era of Challenges held at Manav Rachna International Institute of Research and Studies, Faridabad on February 26-27, 2021.	Keynote Speaker and Session Chair
3.	Dr. Swaranjeet Arora	International Conference	Rethinking Business Strategies, Entrepreneurial Challenges and Societal Values in the Changed Global Scenario' on Jan 30-31, 2021	Resource Person
4.	Dr. Swaranjeet Arora	Ph.D. Guide	Ms. Shakuntla Jain, a research scholar from Devi Ahilya Vishwavidhyalay, Indore	Ph.D. Guide
5.	Dr. Swaranjeet Arora	FDP	AICTE sponsored Online National Level Faculty Development Program on 'Entrepreneurship Development' dated 24th May 2021 to 05th June 2021 organized by Manav Rachna International Institute of Research and Studies	Resource Person
6.	Dr Swaranjeet Arora, Dr Nimit Gupta, Dr Shilpa Sindhu	Masterclass	Is New Advertising All That New? delivered by Lakshmipathy Bhat, VP Marketing & Communication, Robosoft Technologies, on 19th June, 2021	Organised
7.	Dr Nimit Gupta	Course Designing	Subject Matter Expert for designing the marketing courses architecture and course curriculum for MBA -Marketing specialisation for Skill Faculty of Management Studies & Research (SFMSR)at Shri Vishwakarma Skill University, Haryana	Resource Person
8.	Dr Nimit Gupta	FDP	5-day FDP on Research organized by Research Cell CMS -Jain (Deemed -to-be) University, Bangalore, on 28th April, 2021	Resource Person
9.	Dr Nimit Gupta	Evaluated The Ph.D. Thesis	Ph.D. Thesis of Mr. Rajvaidya Ralston Anil f., the JJT University, 6th April, 2021	Resource Person
10.	Dr Nimit Gupta	Website Designing	Invited as test user and expert in the website deigning and user interface leading to consumer experience by Aditya Birla group for the Van Heusen brand on 3rd June, 2021	Resource Person

11.	Dr Nimit Gupta	Workshop	5-Day Online Workshop on "Digital Entrepreneurship: Future of Biz, A New Normal, organized by School of Management & Commerce, Brainware University, Calcutta	Resource Person
12.	Dr Nimit Gupta	International E-Conference	International e- conference on examinations, organized by Council of examiners India and Skillslate foundation, Pune on 9th June, 2021	Resource Person
13.	Dr Nimit Gupta	Online Workshop	"REFPR0-21 – 14 days refresher program on Research and Publication Ethics", organized by IQAC, Baba Mastnath University, Rohtak Haryana.	Resource Person
14.	Dr Nimit Gupta	International Conference	12th International Conference on Leadership-Challenges and Issues, organized by TMIMT, Teerthankar Mahavir University, Moradabad, UP on 26th June, 2021	Resource Person
15.	Dr Nimit Gupta	Canvas- LMS Competition	Judged the in-house Canvas- LMS competition	Resource Person
16.	Dr Nimit Gupta	Virtual Panel Discussion	"Current Scenario of Afghanistan and Its Impact on India" on 17th July,2021.	National General Secretary of Integrated Chamber of Commerce and Industry
17.	Dr Nimit Gupta	HBR Advisory Council	Shared his expert view with HBR Advisory Council on the theme "How organizations are driving employee adoption of software/digital tools" on 22nd July, 2021	Resource Person
18.	Dr Nimit Gupta	Ph.D. Viva	Doctoral student, Jatin Lamba on 31st July, 2021, IG University, Meerpur, Rewari, Haryana	External Guide
19.	Dr Nimit Gupta	Case Study Competition	"NITISHASTRA -The Case Study Competition	Judge
20.	Dr Nimit Gupta	Guest Session	Managing Business for the faculty and students of BVIMSR, Mumbai	Resource Person
21.	Dr. Nimit Gupta	Best Teacher Award	"Best Teacher Award" by ICFAI Business School, The ICFAI University	Best Teacher Award
22.	Dr Nimit Gupta	Guest Session	Session on Testing of Hypothesis (Parametric or Standard Tests of Hypothesis) for the PhD scholars of RNB Global University, Bikaner, Rajasthan	Resource Person
23.	Dr Nimit Gupta	International Conference	International Conference, conducted by Bestow Edutrex on 18th May, 2021	Resource Person

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24.	Dr Nimit Gupta	Guest Session	Department of Chemistry, Shree Chandraprabhu Jain College, Minjur, Chennai on 20th May, 2021	Resource Person
25.	Dr Nimit Gupta	International Conference	International Conference – Management Strategies; Retrieval, Resilience& Remodeling in a post Covid world", organized by JIMS, Delhi on 22nd May, 2021	Judge
26.	Dr Nimit Gupta	Guest Session	Skill Faculty of Management Studies and Research, Shri Vishwakarma Skill University on 29th May, 2021	Resource Person
27.	Dr Nimit Gupta	Guest Sessions	Speakers in Guest Sessions were: Mr. Sheetal kachroo, Category Manager, Flamingo Retail- Mumbai Mr. Punit Chopra, Operations Manager, Bharti Realty-Aerocity Mr. Nitin Gulati, Associate Director, Nielsen IQ- Delhi Ankit Goel, Area manager- Fossils Inc Shiekkha Gupta - Senior Sales Manager- POKKT- - Brand solutions on Gaming segment, In-game integration, Video advertising, Rich Media/Mini games Aditya Khurana - Outlet and Services Manager- Cars 24 Arko Debsharma – Client Relationship Manager- Brand Samosa Aman Budhiraja –. Territory Sales Manager- Coffee Day Beverages Mr. Sandeep Sahu, Marketing Manager, Bank of India, Chennai	Organised
28.	Dr Nimit Gupta and Dr Akshat Aditya Rao	Guest Session	Punit Chopra - Asset Manager- Bharti Reality- Handling Worldmark 1, 2, 3 business facility and services at Aerocity, Delhi	Organised
29.	Dr Nimit Gupta	International Guest Session	Dr Sudhir Rana- Faculty, College of Healthcare Management and Economics, Gulf Medical University, Ajman, United Arab Emirates	Organised
30.	Dr Nimit Gupta	Guest Session	Mr. Visvanathan A, Learning and Development Professional and Corporate Trainer, IndiGo (InterGlobe Aviation Ltd)	Organised
31.	Dr. Neha Kumar	Workshops	"Art of Writing Research Paper" held from 12-14th September 2020 organized by Researchsmiths "Mendeley as Reference Manager on September 13, 2020. "A-Z of Writing Research paper" held from 26-28th February 2021 "Referencing using Mendeley & Ms-Word" on February 28, 2021. Basics to Advance of SPSS held on 13.03.2021 & 14.03.2021 organized by Researchsmith	Resource Person

			One week Workshop on "Questionnaire Data Analysis using SPSS & AMOS" held from 11-17th July, 2021 organized by Research smiths	
			e- Workshop on "Research Paper Writing" held on 24-25th July, 2021 organized by Commacad. She conducted the session on "Journal Selection and Research Promotion" held on July 25, 2021.	
			Session on Journal Selection on August 28, 2021 in an online workshop organsied by The Faculty of Commerce & Management; SGT University, Gurugram on "Research Paper Writing and Journal Selection" from 27th August 2021 – 28th August 2021.	
			Session Chair in Technical Session I, "Digitization the new buzz everywhere", in MAIMS International Conference MIC'2020	
			Amity Business School, Amity University, Mumbai as a part of its Research Excellence Series for a Workshop on Reference Management Using Mendeley and Ms-Word on 17.09.2021	
32.	Dr. Neha Kumar	Board f Examiners	Practical/Viva-Voce Examination of BBA (G)/BBA(HA)-1st Sem Examination March 2021, in the subject(s) of Management Concepts. The Exams under reference was scheduled on 23/03/2021 from 10.00-01.00, in the Faculty of Commerce & Management, SGT University, Gurugram.	External Member
33.	Dr. Neha Kumar	International Conference	Awarded First Prize for presenting the paper in MAIMS International Conference MIC'2020, in association with Lincoln University College, Malaysia on the theme, Impact of Digitization on Education, Management Studies, Information Technology, Law Enforcement and Media on 3rd & 4th December, 2020	Participated
34.	Dr. Deergha Sharman & Dr. Neha Kumar	Guest Lecture	"Guest lecture on Financial Statement Analysis"- CA Robin Kumar, Chartered Accountant with Citibank & Youth Action Hub National Coordinator	
35.	Dr Shilpa Sindhu	A Virtual Session	National Institute of Food Technology Enrepreneurship and Management (NIFTEM), Sonepat sponsored by National Science and Technology Entrepreneurship Development Board (NSTEDB), DST, Govt. of India on February 10, 2021.	Resource Person
36.	Dr Shilpa Sindhu	6th International Conference	MAIMS 6th International Conference on the theme 'Drivers of Global Economic Recovery' organised by MAIMS (Maharaja Agrasen Institute of Management Studies) in collaboration with its International Academic Partners – Faculty of Economics, Thammasat University, BKK, Thailand	Session Chair

			and Waljat College of Applied Sciences, Rusayl, Oman on Friday, April 23, 2021	
37.	Dr Preeti Chawla	Guest Session	Department of Management Studies, Rawal Institute of Management, Faridabab affiliated to MDU on 19th April, 2021.	Resource Person
38.	Dr Shaveta Sachdeva	Guest Lecture	Mr. Shubhashis Dey, Director - Climate policy Program at Shakti Sustainable Energy Foundation.	Organised
39.	Dr. Esha Jain	Webinar	Startup opportunities during & post covid19 organized by Sanjivani College of Engineering, Kopargaon on 15 May 2021 One-week Virtual Faculty Development Programme on Teaching pedagogies for virtual classrooms organised by Vivekanandha College of Arts and Sciences for Women Tamil Nadu from 25th to 31st May 2021 National Webinar on Start-up policies for women entrepreneurship organized by Atal Bihari Vaypayee Trust on 2nd June 2021. National Webinar on Identify master blaster stocks with relative strength organized by Sandip Institute of Technology & Research Centre, Nashik on 3 June 2021. World Environment Conclave Day organised by Rabindranath Tagore University - Bhopal, Arts, Commerce & Science College - Khambhat, R.Y.M. Engineering College - Ballari, Government P.G. College - Panchkula in association with Grand Academic Portal (GAP), India on 5th June 2021. Expert Session on Incubation opportunities for Students & Faculties Early stage Entrepreneurs organized by Teerthanker Mahaveer University, Moradabad on 10 June 2021. on Entrepreneurship and Start-ups in the National Webinar Series organized by Telangana Social Welfare Residential Degree of Commerce for Women Sangareddy at Budhera on 17th, 19th, 22nd May, 2021. National Workshop on "Incubation opportunities for the early-stage Entrepreneurs" organized by the Institution's Innovation Council of The NorthCap University (IIC-NCU) established as part of the IIC program of Ministry of Education's Innovation Cell (MIC), Govt. of India in association with Entrepreneurship Development Cell, NCU Gurugram on 3 July 2021	Resource Person

			National Workshop on "Start-up policies for women entrepreneurs" organized by the Institution's Innovation Council of The NorthCap University (IIC-NCU) established as part of the IIC program of Ministry of Education's Innovation Cell (MIC), Govt. of India in association with Entrepreneurship Development Cell, NCU Gurugram on 17 July 2021	
40.	Dr. Esha Jain	Training	One-month Innovation Ambassador training (Foundation Level) conducted by Ministry of Education's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode	Participated
41.	Dr. Mansi Vinaik	Student Conclave	Billionaire@21 with Multilevel Marketing, A stairway to Success, or a Pitfall of Frauds on 6th June 2021 organised by the Student Body of Research Cell of Delhi Metropolitan Education affiliated with Guru Gobind Singh Indraprastha University.	Session Chair
42.	Dr. Priyanka Banerji	FDP	ATAL Academy Online Elementary FDP on Financial Derivatives and Strategies organised by Coachin University of Science and Technology, July 12 to 16, 2021	Participated
43.	Dr. Priyanka Banerji	FDP	ATAL Academy Online Elementary FDP on Project Thrive-Leadership Excellence offered by IIM Amritsar in Oct 2021	Participated
44.	Minakshi Sehrawat	FDP	Five-Day online FDP-Faculty Development Program on 'Innovation Management' Department of Management and Humanities, NIT Arunachal Pradesh in February 2021	Participated
45.	Dr. Mansi Vinaik	FDP	ATAL Academy Online Elementary FDP on Project Thrive-Leadership Excellence offered by IIM Amritsar in Oct 2021

Completed the AICTE sponsored online Short Term Training Programme (STTP) on Econometrics (Phase III) organized by Institute of Business Management and Research, IPS Academy, Indore held from 03 May 2021 to 08 May 2021

Completed the 30 Hours Intensive Course on Managerial & Life Skill Development on Emotional Intelligence and Critical Thinking organised by DME Management School from 8th April-1st May 2021. | Participated |

46	Mahima Anand	FDP	5 Days FDP on SEM at IIM-Vishakhapatnam	Participant
47	Mahima Anand	FDP	5 days e-FDP on Academics and Research at Maharaja Agarsen University	Participant
48	Mahima Anand	FDP	4 Days FDP on Smart PLS at Manav Utthan Society, India	Participant
49	Mahima Anand	MDP	2 Days MDP on Leveraging Human Resources for Organizational Excellence in VUCA World AT IMS Gaziabad	Participant
50	Dr. Mansi Vinaik	FDP	ATAL Academy Online Elementary FDP on Financial Derivatives and Strategies organised by Coachin University of Science and Technology, July 12 to 16, 2021	Participant
51	Dr. Mansi Vinaik	Workshop	NPTEL E-Awareness workshop	Participant
52	Harshita Jha	FDP	AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "Redesigning Pedagogy: Educating for Innovation & Fostering for Society" from 2021-6-21 to 2021-6-25 at A. R. COLLEGE OF PHARMACY & G. H. PATEL INSTITUTE OF PHARMACY	Participant
53	Harshita Jha	FDP	AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Secrets of Human Bioenergy fields & Subconscious mind" from 2021-7-12 to 2021-7-16 at Sona College of Technology	Participant
54	Harshita Jha	FDP	One week Faculty Development Programme on "Systematic Literature Review and Meta - Analysis" from 10 - 16 August 2021, organised by the Teaching Learning Centre, Ramanujan College, University of Delhi.	Participant
55	Harshita Jha	Orientation/Induction Programme	4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from 21 August – 19 September 2021, organised by the Teaching Learning Centre, Ramanujan College, University of Delhi	Participant

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NPTEL SWAYAM Courses

S.No.	Name	Department	FDP	Duration
1	Dr Shilpa Sindhu	SOM	FDP course 'Educational Leadership' on the NPTEL SWAYAM platform in September 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite+Silver certificate.	8 weeks
2	Dr Shilpa Sindhu	SOM	FDP course 'Accreditation and Outcome Based Learning' on the NPTEL SWAYAM platform in September 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite certificate.	8 weeks
3	Dr Shilpa Sindhu	SOM	FDP course 'Leadership for India Inc: Practical concepts and Constructs' on the NPTEL SWAYAM platform in April 2021 offered by IIT Madras equivalent to 1.5 AICTE approved FDPs and earned Elite+Silver certificate.	12 weeks
4	Dr Shilpa Sindhu	SOM	FDP course 'Managerial Skills for Interpersonal Dynamics' on the NPTEL SWAYAM platform in April 2021 offered by IIT Roorkee equivalent to 1.5 AICTE approved FDPs and earned Elite+Silver certificate	12 weeks
5	Dr Shilpa Sindhu	SOM	FDP course 'Consumer Behaviour' on the NPTEL SWAYAM platform in March 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite+Silver certificate with a composite score of 88 out of 100 and got placed amongst the Top 5% scorers of the course.	8 weeks
6	Dr Shilpa Sindhu	SOM	FDP course 'Emotional Intelligence' on the NPTEL SWAYAM platform in March 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite+Silver certificate.	8 weeks
7	Dr Shilpa Sindhu	SOM	FDP course 'Managing Services' on the NPTEL SWAYAM platform in December 2020 offered by IIT Kanpur equivalent to one AICTE approved FDP and received Elite+Silver certificate.	8 weeks

8	Dr Shilpa Sindhu	SOM	FDP course 'Principles of Management' on the NPTEL SWAYAM platform in December 2020 offered by IIT Kharagpur equivalent to 1.5 AICTE approved FDP and received Elite certificate.	12 weeks
9	Dr Shilpa Sindhu	SOM	FDP course 'Organisational Behavior' on the NPTEL SWAYAM platform in December 2020 offered by IIT Hyderabad equivalent to 1.5 AICTE approved FDP and received Elite certificate.	12 weeks
10	Dr Shilpa Sindhu	SOM	FDP course 'Leadership' on the NPTEL SWAYAM platform in December 2020 offered by IIT Kharagpur equivalent to half AICTE approved FDP and received Elite certificate.	4 weeks
11	Jiveta Chaudhary	SOM	FDP course 'Educational Leadership' on the NPTEL SWAYAM p latform in September 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite+Silver certificate.	8 weeks
12	Jiveta Chaudhary	SOM	FDP course 'Accreditation and Outcome Based Learning' on the NPTEL SWAYAM platform in September 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite certificate.	8 weeks
13	Jiveta Chaudhary	SOM	FDP course 'Leadership for India Inc: Practical concepts and Constructs' on the NPTEL SWAYAM platform in April 2021 offered by IIT Madras equivalent to 1.5 AICTE approved FDPs and earned Elite+Silver certificate.	12 weeks
14	Jiveta Chaudhary	SOM	FDP course 'Managerial Skills for Interpersonal Dynamics' on the NPTEL SWAYAM platform in April 2021 offered by IIT Roorkee equivalent to 1.5 AICTE approved FDPs and earned Elite+Silver certificate and got placed amongst the Top 5% scorers of the course.	12 weeks

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15	Jiveta Chaudhary	SOM	FDP course 'Consumer Behaviour' on the NPTEL SWAYAM platform in March 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite+Gold certificate with a composite score of 88 out of 100 and got placed amongst the Top 5% scorers of the course and got placed amongst the Top 1% scorers of the course.	8 weeks
16	Jiveta Chaudhary	SOM	FDP course 'Emotional Intelligence' on the NPTEL SWAYAM platform in March 2021 offered by IIT Kharagpur equivalent to one AICTE approved FDPs and earned Elite+Silver certificate and got placed amongst the Top 2% scorers of the course.	8 weeks
17	Jiveta Chaudhary	SOM	FDP course 'Managing Services' on the NPTEL SWAYAM platform in December 2020 offered by IIT Kanpur equivalent to one AICTE approved FDP and received Elite+Silver certificate.	8 weeks
18	Jiveta Chaudhary	SOM	FDP course 'Principles of Management' on the NPTEL SWAYAM platform in December 2020 offered by IIT Kharagpur equivalent to 1.5 AICTE approved FDP and received Elite certificate.	12 weeks
19	Jiveta Chaudhary	SOM	FDP course 'Organisational Behavior' on the NPTEL SWAYAM platform in December 2020 offered by IIT Hyderabad equivalent to 1.5 AICTE approved FDP and received Elite+Silver certificate and got placed amongst the Top 5% scorers of the course.	12 weeks
20	Jiveta Chaudhary	SOM	FDP course 'Leadership' on the NPTEL SWAYAM platform in December 2020 offered by IIT Kharagpur equivalent to half AICTE approved FDP and received Elite+Silver certificate and got placed amongst the Top 1% scorers of the course.	4 weeks

21	Minakshi Sehrawat	SOM	FDP Course on Principles of Management on NPTEL Swayam platform in June 2021 offered by IIT Roorkee.	8 weeks
22	Dr. Priyanka Banerji	SOM	FDP Course on Business Statistics on NPTEL SWAYAM Platform in Jan 2021 offered by IIT Roorkee	12 Weeks
23	Dr. Mansi Vinaik	SOM	FDP Course on Managerial Economics and Stress Managemet on NPTEL SWAYAM, Dec 2020	12 Weeks and 8 Weeks
24	Dr. Akshat Aditya Rao	SOM	FDP Course on sales and Distribution	12 Weeks

School of Law

S. No.	Faculty Name	Department	Program Type (Workshop/ Training/Seminar/ FDP)	Title of Workshop/Seminar	Faculty Role
1	Himangshu Rathee	SOL	FDP	Constitutional Studies by NPTEL-AICTE	Participant
2	Ms. Mahima Mahajan, Dr Pallavi Bajpai, Ms. Deborisha Dutta, Mr. Himangshu Rathee Ms. Garima Lakhmani	SOL	Workshop	NPTEL E-Awareness Workshop	Participant
3	Ms. Mahima Mahajan	SOL	Symposium	International Symposium on Educating Future Lawyers for Just & Sustainable Society	Participant
4	Dr. Pallavi Bajpai, Deborisha Dutta and Himangshu Rathee	SOL	FDP	Current Trends in Legal Research	Participant
5	Professor (Dr.) Manjula Batra	SOL	Seminar	National Seminar on the theme ' Gender Parity and World Social Order'	Chief Guest
6	Professor (Dr.) Manjula Batra	SOL	Seminar	75th Anniversary of India's Independence on the theme 'Azadi Ka Amrit Mahotsav'	Guest Of Honour
7	Dr. Unanza Gulzar	SOL	Competition	Extempore Moot Court Competition at MAIMS 1st Justice J.S. Verma Memorial ADR & Client Counselling Competition 2021 and Navitas- MAIMS 1st Law Fest 2021	Judge
8	Dr. Unanza Gulzar and Ms Deborisha Dutta	SOL	Conference	international Conference on Globalization of professional Legal education: Constitutional conspectus	Best Presenters Award
9	Dr. Unanza Gulzar	SOL	Conference	A critical appraisal of jurisdictional issues of e-commerce transactions with special reference to online shopping	Participant
10	Professor (Dr.) Manjula Batra	SOL	Research Project	Research project award titled "The plight of migrant laborers during the COVID-19 Pandemic in Delhi: A Socio-Legal Study" by the ICSSR	Participant
11	Mahima Mahajan	SOL	Webinar	Webinar on Intricacies of Filing an FIR -Organised by Social Nexus Foundation	Participant
12	Professor (Dr.) Manjula Batra	SOL	Lectures	certificate course in Constitutional Law and Parliamentary Affairs	Resource Person
13	Dr. Pallavi Bajpai, Ms. Deborisha Dutta, Ms. Garima	SOL	Refresher Course	Refresher Course on "The Constitution of India: Past, Present and Future"	

	Lakhmani, and Himanshu Rathee				
14	mahima mahajan	SOL	Webinar	Webinar on "Growing Violence Against Women In India Vis-A-Vis Empowerment Of Women For Achieving An Equal Future"	Participant
15	Dr. Tavleen Kaur Khurrana, Ms. Mahima Mahajan, and Ms. Arushi Anthwal	SOL	FDP	Faculty Development Programme on "Outcome-based Teaching-Learning Methods and Research in Law"	Participant
16	Ms. Mahima Mahajan, Dr. Tavleen Kaur Khurana, Ms. Arushi Anthwal, and Ms. Vishakha Singh Deshwal	SOL	FDP	"Law and Economics"	Participant
17	Dr. Pallavi Bajpai and Mr. Himangshu Rathee	SOL	FDP	Online Faculty Development Program on MOOCs and e-learning in the context of National Education Policy	Participant
18	Vishakha Singh Deshwal	SOL	FDP	Two Week Faculty Development Programme: Inter-Disciplinary Refresher Course (Research Methodology)	Participant

Centre for Language Learning

S. No.	Faculty Name	Department	Program Type (Workshop/ Training/Seminar/ FDP)	Title of Workshop/Seminar	Faculty Role
1	Dr Divyabha	CLL	FDP	Five-Day AICTE Training and Learning (ATAL) Academy Online FDP on Design Thinking from 4-8 January 2021 organised by C. V. Raman Global University (Formerly C.V. Raman College of Engineering) Bhubaneswar	Participant
2	Dr Divyabha	CLL	FDP	AICTE ATAL sponsored Five Days Faculty Development Program (FDP) on 'Capacity Building for Quality Academicians' organized by Sri Venkateswara College of Pharmacy, Chittoor, Andhra Pradesh from 18-22 January, 2021.	Participant
3	Dr Divyabha	CLL	FDP	· ATAL FDP on "Leadership & Excellence" held from 1- 5 February 2021 organized by Department of Humanities. JNTUA College of Engineering. ANANTAPUR, Andhra Pradesh, India	Participant
4	Dr Divyabha	CLL	International Conference	chaired a session in the Seventh International BAKEA Conference: Home organized by Pamukkale University, Denizli, Turkey on 15-17 September 2021.	Chairperson
5	Dr Divyabha	CLL	FDP	AICTE Training And Learning (ATAL) Academy Online FDP on "Team-building and Coordination" from 15 -19 February 2021 at Gandhi Institute of Technology and Management -GITAM.	Participant
6	Dr Divyabha	CLL	FDP	Five-day International Workshop on Education, Excursionist Exposition on World Literature organized by Nagarathinam Angalammal Arts and Science College from 23-27 February, 2021 affiliated as Madurai Kamraj University, Madurai, Tamil Nadu.	Participant
7	Dr Divyabha	CLL	Seminar	One-day on National Seminar on 'National Educational Policy 2020: Perspective' sponsored by TEQIP-III (NPIU-MHRD,Govt. Of India) and organized by JNTUA College of Engineering (A) Ananthapuram, AP in association with University college of Engineering and Technology, Bikaner (Rajasthan) on 26 February 2021.	Participant
8	Dr Shrutimita	CLL	FDP	Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'Capacity Building' from 14-18 December 2020 at National Institute of Technology, Patna.	Participant
9	Dr Shrutimita	CLL	FDP	· Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'Design Thinking' from 1-8 January 2021 at C. V. Raman Global University (Formerly C.V.	Participant

				Raman College of Engineering) Bhubaneswar.	
10	Dr Shrutimita	CII	FDP	· Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'Emotional Intelligence' from 18-22 January 2021 at International Management Institute, Bhubaneswar.	Participant
11	Dr Shrutimita	CLL	FDP	· Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'Leadership and Excellence' from 1-5 February 2021 at Department of Humanities. JNTUA College of Engineering. Anantapur, Andhra Pradesh, India.	Participant
12	Dr Shrutimita	CLL	FDP	Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'Leadership and Excellence' from 1-5 February 2021 at Department of Humanities. JNTUA College of Engineering. Anantapur, Andhra Pradesh, India	Participant
13	Dr Shrutimita	CLL	FDP	· Five-day International Workshop on Education, Excursionist Exposition on World Literature organized by Nagarathinam Angalammal Arts and Science College from 23-27 February, 2021 affiliated as Madurai Kamraj University, Madurai, Tamil Nadu.	Participant
14	Dr Shrutimita	CLL	FDP	· Five-day AICTE Training and Learning (ATAL) Academy Online FDP on 'Community Service and Sustainable Society' organized by Maharishi Dayanand University (MDU), Rohtak, from 5-9 October 2021.	Participant
15	Dr Shrutimita	CLL	FDP	One-day on National Seminar on 'National Educational Policy 2020: Perspective' sponsored by TEQIP-III (NPIU-MHRD, Govt. Of India) and organized by JNTUA College of Engineering (A) Ananthapuram, AP in association with University College of Engineering and Technology, Bikaner (Rajasthan) on 26 February 2021.	Participant
16	Dr Divyabha	CLL	FDP	Five Day Faculty Development Programme on "Transcending Disciplines: New Directions in Language, Literature, and Culture" organized by Amity Institute of English Studies and Research, Amity University Kolkata from August 16-20, 2021.	Participant
17	Dr Divyabha	CLL	Lecture	deliver a lecture on the 'Effective Communication Skills' at Showa Denko Materials (India) Pvt. Ltd. on 10 September 2021.	Resource Person
18	Dr Divyabha	CLL	Internation Conference	Representation of Violence in Literature, Culture and Arts organised by Osmaiye Korkut Ata University, Turkey on 20-22 October 2021	Chairperson

Appendix D

SNo.	Name of the Award	Awarding Agency Name	Type of Award (National/international)	Name of the Student/s
1	Innovation Award 2020	Alibaba Cloud Global AI Innovation Challenge 2020	International	Sachi Chandna Rushika Shrestha
2	Innovation Award 2020	Alibaba Cloud Global AI Innovation Challenge 2020	International	Tushar Jindal Vaibhav Saini
3	Innovation Award 2020	Alibaba Cloud Global AI Innovation Challenge 2020	International	Hitesh Hritik
4	Innovation Award 2020	Alibaba Cloud Global AI Innovation Challenge 2020	International	Harshit Diwakar
5	Innovation Award 2020	Alibaba Cloud Global AI Innovation Challenge 2020	International	Yash

S.No.	Students	Theme	Position
1	Udit Kapoor (19csu327), Dikshit(18csu379), Yatharth Piplani (17csu212)	Developed an Anime Recommender System	Released on 10th January 2021 on IEEE NCU's YouTube channel
2	Ashish Kumar (17CSU038),	CAT	Scored 98 percentile in Common Admission Test (CAT) 2020
3	Nipun Katariya (20CSU359), Deepanshu Kaushik (20CSU351), Tarushi Singhal (20CSU367), Shivam Sharma (20CSU338), Yash Gulati (20CSU361) and Bhavesh (20CSU362)	Toycathon 2021	Selected for the Grand Finale in the digital category

Appendix E

Sl. No.	Club/Society	Events	Date
Nov-20			
1	IEI CSE	CodePile	21-11-2020
2	Programmers Club	Ninja Hire Mock Test	25-11-2020, 28-11-2020
3	IEEE	Webinar on Google Summer of Code (GSOC)	21-11-2020
4	IEEE	Webinar on Overseas Education	22-11-2020
5	IEEE CodeArts	Algorithm Unlock (Orienatation for new members)	19-11-2020
6	IEEE	How to create a powerful Linkedin profile	21-11-2020
7	EWB	Visit to Capt. Chandan Lal Blind School	11-01-2020
8	SOCER	Webinar on Demystifying Blockchain	11-02-2020
9	OWASP	Kali Linux and Penetration Testing	19-11-2020 to 22-11-2020
10	Programmers Club	Freshmen Induction	26-11-2020
11	ACM and CSI	Workshop on Deep Learning	11-10-2020
12	IEEE	IEEE Delhi Section Annual Award Ceremony 2020	25-11-2020
Dec-20			
13	CSI	Campus to Business initiative	12-12-2020
Jan-21			

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29	Python Warriors, IAS SBC	15 days of Python Day 9	03-05-2021
30	Python Warriors, IAS SBC	15 days of Python Day 10	03-06-2021
31	Python Warriors, IAS SBC	15 days of Python Day 11	03-07-2021
32	Python Warriors, IAS SBC	15 days of Python Day 12	03-08-2021
33	Python Warriors, IAS SBC	15 days of Python Day 13	03-09-2021
34	Python Warriors, IAS SBC	15 days of Python Day 14	03-10-2021
35	Python Warriors, IAS SBC	15 days of Python Day 15	03-11-2021
36	Python Warriors, IAS SBC	15 Days of Python Quiz 1	03-05-2021
37	Python Warriors, IAS SBC	15 Days of Python Quiz 2	13-03-2021
38	IEEE	Technology Awareness Drive	31-03-2021
39	Udaan	Donation Drive - Visit to Old Age Home	27-03-2021
40	THE HOOD Club	Comic Opera	03-06-2021
41	THE HOOD Club	Women's Day Event	03-08-2021
42	THE HOOD Club	Essay Writing Competition	03-12-2021
Apr-21			
43	SOCER	National Workshop on Information Security Education and Awareness (Responses)	20-04-2021
44	IEEE	Operation HOPE	Apr-21

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45	IEEE	HAC Week	26-04-2021 to 01-05-2021
May-21			
46	IEEE	Expert Lecture on Text Classification- A Machine Learning Approach	14-05-21
47	Visualive	Peer Learning Workshop on Graphic Design	05-09-2021
Jun-21			
48	SOCER in association with IIC	NCU Cyber Collegiate Project Challenge	19-06-2021
49	Brainstorming Club and Sehyog Club	Webinar- 5 Transformation that will change your life forever	06-09-2021
Aug-21			
50	ACM	Poem Writing Competition on Independence day	15-08-21 to 16-08-21
51	Udaan	A Breeze to Lift	28-08-21 to 06-09-21
52	Udaan	Women Equality Day- Quiz and Poster Making	26-08-21
53	THE HOOD	Grills Gone Wild	13/08/2021
54	THE HOOD	Gaming Gangsta	26/08/2021
55	WIC	Wheels Of Change	08-06-2021
56	WIC	Brain Shack	08-12-2021
57	WIC	Technical Content Writing	21-08-21
58	Sehyog NCU	Zara Yaad Karo Qurbani	08-12-2021

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59	The Hood	Gaming Gangsta	26-09-21
Sep-21			
60	IEEE HAC	Teacher's' Day Poster Making	09-05-2021
61	IEEE HAC	World Literacy Day Blog Writing	09-08-2001
62	IEEE HAC	Engineer's Day Video Creation	15-09-21 to 18-09-21
63	Vibings Creative Solutions, Udaan	Suicide Prevention Day Reel Making Competition	09-10-2021
64	The Hood	Teachers Day	02-09-21 to 06-09-21
65	IEEE HAC	World Peac Day Logo and Tagline Making	21-09-21 to 26-09-21
66	IEEE HAC	Cancer Awareness Day Video Creation	22-09-21 to 26-09-21
67	Run-A-Thonia	Dynamo Heartदार	30-09-21
68	Run-A-Thonia	Teachers Day	09-04-2021
69	THE HOOD	Graphical GOD	16/09/2021
70	WIC	Teacher - Our Hero	09-04-2021
71	Sehyog NCU	Thank You Note Making	09-05-2021
72	ACM	Workshop on "An Introduction to Web Development"	11-09-21 to 12-09-21

Appendix F

S.No.	Faculty Members	Achievement
1	Dr. Sujata and Prof Prabha Sharma	Selected as Research Advisor in vDoIT
2	Dr. Sandeep Singh	Selected as Research Analyst in vDoIT
3	Dr. Neeti Kashyap and Dr Shilpa Mahajan	Awarded certificate from CISCO Networking Academy for 5 years of active participation and dedicated service
4	Ms. Srishti Vashishtha	Received commendable research award from Delhi Technological University on 15th Feb 2021 for "Sentiment Cognition from Words Shortlisted by Fuzzy Entropy." *IEEE Transactions on Cognitive and Developmental Systems* paper.
5	Dr. Divya Jain	Appointed as a member of Editorial Review Board in the International Journal of Healthcare Information Systems and Informatics (IJHISI)
6	Dr. Pankaj Rakheja	Published his article titled "Jankalyaan me Yuvayon ka yogdaan" in Gurgaon Today Newspaper on March 18, 2021. His other articles titled "Corona ki dusri lehar: ek nayi chhunoti"got published in Gurgaon Today Newspaper on March 20, 2021 followed by the article titled "Swachh Bharat abhiyaan ko banayen Jan andolan" dated March 23, 2021
7	Dr. Pankaj Rakheja	Got his article titled "Kyun hui Corona ki dusri lehar itni vikraal"published in Gurgaon today newspaper dated 16 April 2021.
8	Dr Rita and Dr Sujata	Selected as potential evaluator to guide and mentor the participants for the prototype development for the grand finale of Toyotathon-2021.

Appendix G

Sl. No.	Organisation with which MoU is signed	Year of signing MoU	Duration	list of activities
1.	TownSqaure	**2020-2021**	1 Year	**Internship**
2.	Ecara Solutions	**2020-2021**	1 Year	**Internship**
3.	Ansyst Consulting	**2020-2021**	1 Year	**Internship**
4.	AgBe Consultancy	**2020-2021**	1 Year	**Internship**
5.	Intellispirit	**2020-2021**	1 Year	**Internship**
6.	UTS	**2020-2021**	1 Year	**Internship**
7.	CoopEarn	**2020-2021**	1 Year	**Internship**
8.	Danalatics	**2020-2021**	1 Year	**Internship**
9.	NIA Agro Communidity Market Place	**2020-2021**	1 Year	**Internship**
10.	Pie InfoSystem. Pvt.Ltd	**2020-2021**	1 Year	**Internship**
11.	Evren Global Solutions Pvt Ltd	**2020-2021**	1 Year	**Internship, Training**
12.	MakemeBuilder Pvt.Ltd	**2020-2021**	1Year	**Internship**

Research Publications

October 2020-October 2021

JOURNALS

INTERNATIONAL

Bharti Arora* and Pankaj Attri (2020) 'Carbon nanotubes (CNTs): A potential nanomaterial for water purification', Journal of Composites Science, Vol. 4, No. 3, DOI: 10.3390/jcs4030135, APS2020J017.

Hitesh Yadav *, **Rita Chhikara** and A. Charan Kumari (2020) 'A novel hybrid approach for feature selection in software product lines', Multimedia Tools and Applications, DOI: 10.1007/s11042-020-09956-6, **CSE2020J019**.

Monika Lamba*, Geetika Munjal and **Yogita Gigras** (2020) 'Computational studies on breast cancer analysis', Journal of Statistics and Management Systems, DOI: 10.1080/09720510.2020.1799500, **CSE2020J020**.

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Shradha Singh Parihar and **Nitin Malik*** (2020) 'Optimal integration of multi-type DG in RDS based on novel stability index with future load growth', Evolving Systems, DOI: 10.1007/s12530-020-09356-z, **CSE2020J022**.

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Deergha Sharma* (2020) 'Predicting the antecedents of mobile banking acceptance in India by structural equation modelling', Pacific Business Review International, Vol. 12, No. 12, pp. 96-106, **SOM2020J013**.

Ayush Gautum*, Ravi Shankar and **Prem Vrat** (2020) 'End-of-life solar photovoltic e-waste assessment in India: A step towards a circular economy', Sustainable Production and Consumption, Vol. 26, pp. 65-77, **SOM2020J014**.

Neeta Sharma* and **Prem Vrat** (2020) 'Inventory models with stock dependent demand: A comprehensive review and its linkage with waste management', International Journal of Inventory Research, Vol. 5, No. 2, pp. 112-152, **SOM2020J015**.

Neeta Sharma* and **Prem Vrat** (2018) 'Impact of Various factors on stock -induced food waste in Indian wedding', Journal of Advances in Management Research, Vol. 15, No. 1, pp. 37-57, **SOM2020J016**.

BOOK

INTERNATIONAL

Rita Chhikara* and Yashasvi Chhikara (2020) 'Impact of Macroeconomic Factors and Dividend Yield on Bank NIFTY Index Returns', pp. 1-52, Lambert Academic Publishing, ISBN- 978-620-2-67593-2, **CSE2020B002**.

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INTERNATIONAL

Anmol Bhatia*, Mayank Juneja and Nikhil Juneja (2020) 'Optimization of input parameters for CNC turning of SS304: A grey relational analysis and response surface methodology approach' in *Advances in Production and Industrial Engineering Select Proceedings of ICETMIE 2019 (Lecture Notes in Mechanical Engineering),* Chapter 34, pp. 455-467, Springer, ISBN- 978-981-15-5518-3, **MED2020BC001**.

Gurjot Singh, Dinesh, Sarbjeet Kaushal* and **Satnam Singh** (2020) 'Effect of power level on the processing of ni-based casting through microwave heating' in *Advances in Production and Industrial Engineering Select Proceedings of ICETMIE 2019 (Lecture Notes in Mechanical Engineering),* Chapter 33, pp. 445-453, Springer, ISBN- 978-981-15-5518-3, **MED2020BC002**.

NATIONAL

V. Kumar*, R. Shankar and **Prem Vrat** (2020) 'Ranking the barriers of industry 4.0 for indian manufacturing sector' in *Advances in Mechanical Engineering in the Era of New Technologies,* Chapter 44, pp. 422-433, Siksha 'O' Anusandhan, ISBN- 978-81-930417-3-4, **SOM2020BC002**.

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INTERNATIONAL

Shivani Yadav and **Hukum Singh*** (2019) 'Asymmetric cryptosystem using structured phase masks in discrete cosine and fractional fourier transforms', Proceedings of International Conference on Trends in Computational and Cognitive Engineering (Part of the Advances in Intelligent Systems and Computing book series), pp. 27-39, **APS2020P004**.

Sanjay Yadav* and Gaurav Gupta (2019) 'Far-field behavior for study strong non-planer shock waves in magnetogasdynamics', Proceedings of International Conference on Trends in Computational and Cognitive Engineering (Part of the Advances in Intelligent Systems and Computing book series), pp. 305-315, **APS2020P005**.

Jyotika Pruthi, **Shaveta Arora*** and **Kavita Khanna**

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(2019) 'Segmentation of blood vessels from retinal fundus images using bird swarm algorithm and river formation dynamics algorithm', International Conference on Intelligent Computing and Smart Communication 2019 (Part of the Algorithms for Intelligent Systems book series), pp. 995-1007, **CSE2020P008**.

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INTERNATIONAL
R.C. Mittal and **Rajni Rohila*** (2020) 'The numerical study of advection–difusion equations by the fourth-order cubic B-spline collocation method', Mathematical Sciences, DOI: https://doi.org/ 10.1007/s40096-020-00352-7, **APS2020J018**.

Deepika* and **Hukum Singh** (2020) 'Effect of Bi addition on optical properties of Se-Te-Bi films', Indian Journal of Physics, DOI: https://doi.org/10.1007/s12648-020-01862-9, **APS2020J019**.

Khushbu Gupta and **Tejpal Singh Chundawat*** (2020) 'Zinc oxide nanoparticles synthesized using fusarium oxysporum to enhance bioethanol production from rice-straw', Biomass and Bioenergy, Vol. 143, No. 2020, pp. 1-7, **APS2020J020**.

Priyanka Verma*, Anjali Goyal and **Yogita Gigras** (2020) 'Email phishing: text classification using natural language processing', Computer Science and Information Technologies, Vol.1, No.1, pp. 1- 12, **CSE2020J023**.

Neetu Chillar* and **Swaranjeet Arora** (2020) 'Basic financial literacy of salaried people in Delhi NCR: A comparative study', Prestige International Journal of Management and IT-Sanchayan, Vol. 9, No. 1, pp. 36-50, **SOM2020J017**.
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Pallavi Bajpai* and Ruchika Sharma (2020) 'Womanhood vis-à-vis the right to termination of prganancy: A constitutional framework', Pragyan: Journal of Law, Vol. 10, No. 1, pp. 116-122, **SOL2020J005**.

Ruchi Nayyar* and **Poonam Arora** (2020) 'Modelling the impact of demographic variables on employee motivation levels in automobile industry', Indian Journal of Computer Science, Vol. 5, No. 1, pp. 11-17, **SOM2020J018**.

Nitika Kaushik* and **Poonam Arora** (2020) 'Digitized peformance appraisal process: A case of brakes india', Journal of Strategy and Performance Management, Vol. 8, No. 2, pp. 64-78, **SOM2020J019**.
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INTERNATIONAL
Monika Arora* and **Yogita Gigras** (2020) 'Security, privacy, forensics analysis for smartphones.' in *Forensic*

Investigations and Risk Management in Mobile and Wireless Communications, Chapter 1, pp. 1-25, IGI Global, ISBN - 9781522595540, **CSE2020BC006**.
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Unanza Gulzar* and **Garima Lakhmani** (2020) 'A precarious assessment of internet privacy in *india with special reference to Covid-19' in Global, Economic Order in the Post Covid-19 Era*, Challenges, Opportunities and Strategies, Chapter 46, pp. 362- 370, Maharaja Agrasen University Publication, ISBN - 978-81-942547-3-7, **SOL2020BC004**.
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