

# Newsletter



Vol. 100 February 2020

## THE NORTHCAP UNIVERSITY

(For internal circulation only)

### Eighth Convocation Ceremony for the Batch of 2019

The NorthCap University, Gurugram conducted its 8th Convocation on 30 January 2020, for its Under Graduate, Post Graduate students & PhD scholars, for the Batch of 2019 at NCU campus.

The Chief Guest for the Convocation was Hon'ble General (Dr) Vijay Kumar Singh (Retd.), Minister of State for Road Transport & Highways, Govt. of India. The chief guest conferred degrees and awarded certificates and medals to a total of 806 students, who graduated in June 2019.

The Vice-Chancellor presented the Annual Report of the University and spoke about the achievements/ progress made in the reporting year. He highlighted that The NorthCap University continues to be a leader amongst the private Universities in India. In the NIRF ranking conducted by the Ministry of Human Resource Development, Govt. of India, for the year 2019, the University has been ranked 117 in the Engineering category and in the rank band of 151-200 in the University category. The University also participated in the ARIIA ranking and has established an Institute Innovation Council (IIC), for the calendar year 2019-20 as per the norms of MHRDs Innovation Cell, Govt. of India.

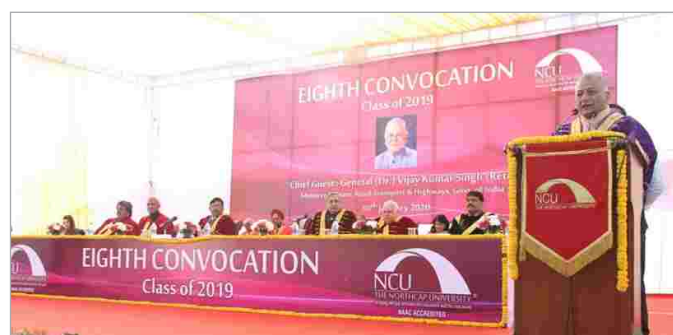
The Vice-Chancellor in his annual report touched upon the University's sustained focus on quality and all the other important efforts made during the year 2019. He mentioned that the University's focus is on building and strengthening association with Industries and the Government for community development programmes and for providing opportunities to students in India and abroad.

He reiterated that The NorthCap University has expanded and further strengthened foreign partnership opportunities to prepare students to be globally competitive. For this, the University has collaborated with world-renowned Universities. He also touched upon all the other salient developments including innovation and incubation achievements, publications, collaborations & collaborative research, awards, distinguished visitors, student activities, placement, etc.

Hon'ble General (Dr) Vijay Kumar Singh (Retd.) in his address congratulated and motivated the graduates to take the responsibility to spread the learning that they are taking away with them from the university. He asked the students to contribute to society through their individual abilities and initiatives and bring changes that can transform lives.

The presence of the distinguished alumni of NCU made the day even more special. NCU's vibrant alumni network has made its mark in India and overseas

by attaining leadership positions in corporations, by creating their own successful ventures and also by co-founding several successful companies.



### Ninth Merit Cum Means Scholarship Distribution Ceremony

The Ninth Merit cum Means Scholarship Distribution ceremony was held in the University Auditorium on 26 February 2020. Scholarships were awarded to deserving meritorious students of Engineering, Management & Law. Shri M M Singh, Director, Maruti Centre for Excellence (MACE) was the chief guest for the function.

A total of 178 students received scholarships and fee concessions, amounting to 1.70 crores. Prof. HB Raghavendra, Vice-Chancellor congratulated the award winners and complimented them for achieving excellence in Academics. He added that the financial scheme will go a long way in facilitating the students in their professional studies at the University. Speaking on the occasion, the Chief Guest Mr MM Singh highlighted the necessity of hard work and perseverance, through which one can achieve success in life. Giving his own example, he reiterated that the students should remain focused in life and have a clear aim. All their energy should be directed to achieving their goal in life. He also mentioned that students should not disappoint their parents, who have sacrificed so much in their quest for success. He further said that much of life's success is governed by one's attitude rather than innate intelligence and that a strong work ethic, would take you far in life.

The Vice-Chancellor thanked the parents and faculty members, for their concentrated efforts in supporting the overall development of the students. He also thanked the Governing Body members, for making the necessary financial allocations for the Annual Scholarship grant.



## Faculty Development Programme on Awareness on Invention and Patent Filing

School of Law, The NorthCap University in collaboration with Boudhik Ventures organized a Faculty Development Programme on 'Awareness on Invention and Patent Filing' held on 15 February 2020 for the entire faculty of NCU. The speaker of the workshop was Mr Vivek Dahiya, co-founder and director of Boudhik Ventures. There were four technical sessions that dealt with Patent Inventions, Patent Searches, Patent Application and Examination and Commercialization of Patents. The FDP started with an introduction to protectable innovations and inventions. Emphasis was laid on patent searches by demonstrating live practical examples to find out how patents can be searched on espace.net and IPIndia.com, and information regarding how patent applications could be updated was also shared. Further, the FDP focused on how a patent application should be drafted and what could be the possible fields of invention. Information regarding how patents could be commercialized was also shared with all. The FDP was very interactive and ended with a question and answer session.



## Expert Lecture on 'Career Prospects and Ladders' at DAV Centenary Public School, Bahadurgarh

Dr Priyanka Banerji and Dr Jahanvi Bansal, Faculty, School of Management, were invited to DAV Centenary Public School, Bahadurgarh for delivering Expert Lecture on 'Career Prospects and Ladders'. They addressed 200+ students of standard 10th and 12th and their parents. They discussed the variety of opportunities available



to the students, conventional approach, case studies, etc. The event was highly praised by the school authorities. (SOM2020O004)

## Orientation program on Internationalization of Education for 3rd year CSE students

An Orientation program on Internationalization of Education was conducted by International Relation Office (IRO) on 13 February 2020 for BTech 3rd year CSE students. The aim of conducting this program was to make students aware about the importance of Internationalization of Education, IRO activities and different MoUs of NCU with foreign Universities. Prof. Ram Karan Singh, Chairperson IRO informed the students about IRO establishment and related activities carried by IRO-NCU. He talked about exchange programmes with world renowned universities namely ITB Ireland, University of Chester, UK; University of Regina, Canada; Michigan Technological University (USA), University of Dayton, Ohio (USA), Shibaura Institute of Technology, Japan, for collaborative research, student and faculty exchange.

Dr Hemant Trivedi, Convener IRO talked about various foreign academic excursions, internships and project collaborations along with faculty through frameworks of MoUs. Dr Shaveta Arora, CSE Coordinator IRO highlighted ITB Ireland Exchange Program options, eligibility criterion, career options and procedure to enroll in the program.

It was an interactive session and well received by the students. Students who want to study abroad asked their queries at the end of the session which were resolved by the Chairperson. The event was coordinated by Dr Shaveta Arora under the guidance of Prof. Ram Karan Singh.



## News from the School of Engineering and Technology

### Department of EECE

- EECE department organized a session on 'Quantitative Aptitude' from TIME education on 12 February 2020 for 2nd, 3rd year ECE students. The objective of the session was to enhance the ability of students to solve numerical and mathematical calculations in a very simple and fast way. Such aptitude is very often required in Corporates and also for competitive exams. The session was coordinated by Dr Anjali Garg and Ms Amanpreet Kaur. (ECE2020W003)





- Ms Amanpreet Kaur, Assistant Professor, ECE delivered a session in DIET (District Institute of Education and Training), Gurugram on the topic 'E-Waste Management' on 11 February 2020. About 84 schools from Haryana, Himachal Pradesh, Rajasthan, and Gujarat joined this live session in a smart classroom. The session covered all the aspects of E-waste, their source of generation, global and Indian market, how to reuse and recycle e-waste to cope up with India's biggest problem these days. It was an interactive session and received a good number of participation from different schools from neighbouring states. The lecture was conducted under the guidance of Dr Sharda Vashisth (Head EECE Dept.) (ECE2020O005)



- A guest lecture was organized by the ECE department on 13 February 2020 in the Auditorium for all first-year CSE students wherein the speaker Mr Mohit Grover, Head of Automation and Innovation-Global Sales support Nokia delivered a lecture on the creation of analysis database, first clustering and liberalization. He also presented a model for implementing machine learning and talked about the importance of AI, the future of AI, algorithms and various programming languages that could be learned for working with Data Science and AI. He shared various links with students wherein the students could learn various programming languages very effectively and free of cost. Mr Grover also informed students that this is the upcoming area of interest in industries and working in this area will help to fetch a good job in various industries. Around 350 students attended his lecture and get benefited from his wide experience in this upcoming field. Dr Anjali Garg and Dr Mona Agarwal coordinated the lecture. (ECE2020G002)
- A Skill Development Programme organized by EECE and ME Department was started on 6 February 2020 to upskill the students in the area of automation using equipment provided by Mitsubishi Electric India Pvt. Ltd. This Programme was jointly conducted by NCU and Mitsubishi. The Programme included a final evaluation and a certificate to the eligible students.  
The first session on 'PLC basics' was conducted on 6 February 2020 wherein the students from ECE and ME Department participated in the Programme. This session included basic ideas about automation, its need, about PLC, Ladder programming, application of programming on various systems which included gates, bottle filling plant, motor control, conveyer belt movement, etc.  
The second session on 'Hands-on session on PLC' was conducted on 13 February 2020. This session included Ladder diagrams, its implementation in PC, basic information about Mitsubishi software GX works 3 for implementation, interfacing with the hardware, execution, and troubleshooting of any related problem.  
The third session on 'HMI basics' was conducted on 5 March 2020. This session included basics of Human Machine Interface (HMI), installing software, interfacing with hardware, control of hardware using software, etc. and troubleshooting of any related problem.  
The students found the sessions very beneficial for understanding the basics of PLC, implementation, HMI which is required for further implementation on the actual hardware provided by Mitsubishi Electric India Pvt. Ltd (MEI) under the banner of MOU between MEI and NCU.

The sessions were coordinated by Dr Anjali Garg, Dr Anmol Bhatia, Mr LN Joshi, Mr Ajay, Ms Yukti (student coordinator-EECE) and Mr Ritik (Student coordinator-ME) (ECE2020WO004)



- A Skill Development Programme organized by EECE Department on MATLAB and Simulink under the SPIE Society.  
The first session was conducted on the Basics of MATLAB and SIMULINK by Mr Jitender Kumar, Senior Engineer, Design Tech on 6 February 2020. Students from ECE, CSE, and MSc participated in the session and experienced learning Programming from scratch.  
The second session was conducted on Automotive Software's used in the industry using SIMULINK design by Mr Aman Singla (Alumni of ECE) on 13 February 2020 and students found the content very informative. The skill development programme was coordinated by Ms Amanpreet Kaur and Dr Sharda Vashisth. (ECE2020WO005)
- A Digital Marketing Session was organized by the department of EECE on 4 February 2020 for interested students of all Schools. The session was conducted by Mr Amit Dhawan, NCU Alumni, Founder of Sociowash India Pvt Ltd. He discussed the various concepts of digital marketing including Search Engine Optimization, Email Marketing, Social Media Marketing, Content Marketing, and Web Analytics. Students got a good idea of each module of Digital Marketing. The main aim of this session is to provide students with information on business advantages of digital marketing and its importance, to develop a digital marketing plan, and to make a SWOT analysis. The application of gained knowledge would help future managers to manage digital marketing performance efficiently. This session was coordinated by Ms Pallavi and Dr Sharda Vashisth. (ECE2020G001)



- The Department of EECE organized a short term course in association with NITTTR Chandigarh at The NorthCap University (Nodal Centre) on 'Business Incubation for New Start-ups through ICT' scheduled from 3 February 2020 to 7 February 2020. The course discussed the need and importance of Entrepreneurship in present times, Setting up and Managing of a Technology Business Incubator, IPRs for business incubates, Schemes for starting Business Incubators, What, Why and How of Startups, Mapping of Business with Business Incubators, How to identify the National and International Market, Business Plan Formulation for New startups, etc. The course was attended by faculty, technical staff, and students from ECE and APS Department. The course was coordinated by Ms Amanpreet Kaur (nodal coordinator) from EECE Department. (ECE2020O006)

### Visit of Mentor



**Prof. B.K.Das**  
B.Tech. (IIT, Kharagpur),  
M.S. (Illinois), Ph.D.(Illinois),  
FNASc, FMAS  
Ex-Scientist-G & Head,  
Electronic Materials Division, NPL

Prof. B K Das visited the university as a mentor on 12 February 2020. He was invited for vetting of Minor test papers of the EECE Department and for interaction with the faculty and research scholars. Prof. Das guided faculty members and research scholars for research in VLSI, devices, and renewable energy domains. The visit was coordinated by Dr Vandana Khanna. (ECE2020O004)

### Department of CSE

- The department organized an AI/ML workshop on the 'Lyrics Generation' on 12 February 2020. More than 150 students from different departments enthusiastically participated in this workshop. Mr Jatinder Virmani and Mr Mohit Uniyal from Coding Blocks were the expert speakers. They delivered a hands-on session wherein the students worked on projects like Digit Recognition and Lyrics Generation. Few faculty members of the department from Data Science Specialization also attended the workshop. Ms Srishti and Ms Poonam Chaudhary along with a team of student volunteers from CSE Department coordinated the workshop. (CSEW2020010)



- Programmers club organized the Coding Test for first-year and second-year students of all the schools. The coding test was open from 17-20 February 2020. This test was developed and evaluated by experts in Coding Ninjas. The Test included aptitude and programming related questions and students could use any programming language to answer them. Dr Mehak Khurana and Dr Vandana Khanna coordinated this event. (CSEO2020016)
- IEI CSE student chapter organized a workshop on 'Thinking out of the Box' on 27 January 2020. It helped students to learn different ways to design things based on simple principles of science. The session was delivered by Mr Vineet Gupta, an alumnus of NCU who is currently working at Gemini solutions. BTech 1st and 2nd-year students participated in the workshop. The event was coordinated by Ms Hitesh and Ms Neeti Kashyap. (CSEW2020011)



- Dr Priyanka Vashisht, Assist. Prof. CSE dept. was invited to deliver a lecture at IPSM, Dwarka, New Delhi on 20 February 2020 under expert lecture series. She delivered a session on 'Role of Information Technology in Medical Science'. She discussed advanced life support simulators and 'science of touch' simulators that are used in the medical domain. Dr Priyanka also discussed the adoption of cloud computing in order to make healthcare operations cost-effective. (CSEO2020017)
- The Department organized Smart India Hackathon-2020 from 27-29 January 2020 at University Level. The event was organized to select the most innovative and sustainable solutions to problem statements SIH 2020. 40 teams were selected from all the departments of the School of Engineering and Technology. The participating teams presented their ideas and prototypes against '38 Problem Statements' of SIH 2020. Dr Rita Chikara, Dr Rohit Lather and Dr Ram Karan Singh judged the event. They selected seven teams as representatives of The NorthCap University for the reputed National Smart Hackathon 2020. (CSEO2020018)



- The Department organised sessions on Quantitative Aptitude and Logical reasoning for the third year CSE students on 14 February 2020. The sessions were delivered by Mr Tijendra Sharma, TIME Education, a professional career counsellor having more than 20 years of experience. The speaker shared the tips and tricks for solving difficult problems in a limited duration. The event was coordinated by Dr Sumanlata Gautam and Ms Purna Singal. (CSEO2020019)
- IEEE Chapter of NCU and Department of Computer Science and Engineering organized a workshop on Cyber Security and Internet of Things on 5 February 2020. Mr Sumit Kumar was the resource person for the Cyber Security session. The hands-on session was conducted on the topic 'Open Source Intelligence (OSINT)' and a practical demonstration on several open-source tools such as OSINT Framework, Maltego etc. was given to the participants. A session on IoT was delivered by Dr Pankaj Rakheja where students had a hands-on session on hardware and they designed modules for uploading sensor data on the cloud and operating appliances through google assistant. The event was coordinated by Dr Pankaj Rakheja, Mr Sumit Kumar, Mr Pinaki Dutta and student coordinators Mr Anshdeep Singh Sehgal, Mr Vatsalaya Upadhyay and Ms Eshita Mann. The event was facilitated by IEEE student members Mr Virendra Pratap Singh and Mr Soumye Kumar along with Dr Pankaj Rakheja, Mr Sumit Kumar, Ms Srishti Sharma and Ms Vaishali Kalra. (CSEO2020020)



- IEEE Chapter at NCU organized poster designing, slogan writing and speech competitions on theme 'Forest Conservation' on 24 January 2020. Around 20 students from SOET, SOM & SOL participated in the



event and showcased their creativity and innovative ideas. The event was coordinated by Dr Pankaj Rakheja, Ms Akansha Kapoor, Ms Srishti Sharma and Ms Vaishali Kalra with help of student coordinators Mr Rohit Negi, Mr Siddharth Katoch, Mr Shobhit, Mr Virendra Pratap Singh and Ms Yamini. (CSEO2020021)



- ❑ The blind coding event was organized by Code Arts, a special interest group under the IEEE Computer Science Society on 20 February 2020 for BTech students. The participants were given programming-based questions to solve and execute on their systems. The event was coordinated by Dr Priyanka Vashisht and Dr Pankaj Rakheja with help of student coordinators: Mr Rohit Dalal, Mr Abhishek Pandey, Mr Saksham, Mr Sachit, Mr Rahul Arora Mr Sahil Bhatia. (CSEO2020022)



- ❑ The department organized an expert lecture on the topic 'Security in IoT & Big Data' on 20 February 2020. The session was delivered by Mr Mohit Yadav, Consultant at Crow Cybersecurity Pvt. Ltd. The session was coordinated by Ms Akanksha Kapoor & Ms Manvi Breja. (CSEO2020023)



## Department of Applied Sciences

### Project Social Supermarket – Field Visit Report (Enactus NCU)

Enactus NCU (APS department) organized students visits Sector- 5, 22, 56 of Gurugram to spread awareness about their Social Supermarket Project among the underprivileged so that they could use various products available in supermarkets on discounted prices. Retail supermarkets sell their products till Best before date after which they do not sell the product. Some supermarkets like Reliance fresh sell their products on a 25-70% discount as they approach their best before date. This mostly includes grocery and food products. The students of NCU target the worker's community to buy those discounted products and consume it or sell it further to generate income. The project helps in reducing wastage, promoting zero hunger alongside good health and well-being. The visits were done under the guidance of Dr Anshu. (APS2020010)

## Mentor-Mentee Meetings



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

Faculty Mentor, Prof. Kehar Singh, Hony. Distinguished Research Professor visited the Department of APS on 14 February 2020 to motivate PhD research scholars and faculty members. Faculty members and research scholars of APS, CSE and ECE Departments interacted with him on the current research areas. Prof. Singh motivated them to carry on with good research and for getting good publications in reputed journals. He also discussed various topics on optical image processing and other emerging areas. (APS20200008)



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

Faculty Mentor, Prof. IK Varma, Honorary Distinguished Research Professor visited the Department of Applied Sciences on 6 February 2020. Prof Varma discussed the research progress of her mentees and research scholars of the department. She suggested that mentees should be more focussed on research on real-life application of chemistry in various fields. She motivated the faculty to submit research proposals to government funding agencies for consultancy projects. She also reviewed the content on LMS of all her mentees and gave them her valuable suggestions for further improvement. She also discussed the progress of the new PhD students in the Department and gave her valuable suggestions for their research work. (APS20200009)

## Department of Mechanical Engineering

### ISHRAE Installation ceremony

The Department of Mechanical Engineering invited Mr Deepak Dhamija, President of ISHRAE Sub-Chapter Gurugram, & Mr Ravi Shankar, Member ISHRAE Sub-Chapter Gurugram at ISHRAE for Re-Installation of its Student Chapter at NCU on 4 February 2020.

ISHRAE is an international associate of ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineers). The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), was founded in 1981 at New Delhi by a group of eminent HVAC&R professionals. ISHRAE today has more than 14,000 HVAC&R professionals as members and additionally, there are 10,000 Student-members. ISHRAE operates from 41 Chapters and sub Chapters spread all over India, with HQ in Delhi.

During the Installation Ceremony, Mr Ravi Shankar identified NCU as a potential partner in Gurugram Sub-Chapter, amongst other ongoing partnerships with premier institutes. Mr Shankar then proceeded to call upon each successfully elected student to take the Oath for holding the Office of student President, Secretary, Treasurer and 5 Core Working Committee members. NCU Chapter has 27 student members with the steering committee constituting eight members from final and pre-final year batches.

Re-Installation of the ISHRAE Chapter is expected to give a boost to the industry-institute interaction in Mechanical Engineering. The event was coordinated by the Society faculty advisor & coordinator, Dr Akanksha Mathur. (MED20200005)



**Office bearers**

R. No.	Nominations for Positions	Name	Enrollment No.
1	PRESIDENT	Abhijit Kumar	16MEU036
2	SECRETARY	Harshit Gupta	17MEU006
3	TREASURER	Jatin Kumar	17MEU009
4	CWC Member	Mihir Inglay	17MEU039
5	CWC Member	Varnit Mittal	17MEU029
6	CWC Member	Himank Taneja	17MEU008
7	CWC Member	Deepanshu	17MEU004
8	CWC Member	Akshit Manocha	17MEU002

**Alumni Interaction**

The Department of Mechanical Engineering organized an Alumni Interactive session on Project-based learning-An SAE initiative' on 6 February 2020 for Mechanical 2nd and 3rd-year students. The session was conducted by our Alumnus Mr Aditya Panjeta (Alumnus of 2013 batch and working as Executive Engineer, speedways Electric) and Mr Vinayak Sachdeva (Alumnus of 2014 batch and working with BYJU). The speakers discussed the need for working on projects related to automobiles, etc. The speaker linked those theoretical concepts with their experiences and elaborated upon its usage in the near future. The session was coordinated by Mr Anmol Bhatia, Assistant Professor. (MED2020O007)

**Department of Civil & Environmental Engineering****Department Activity****First Position secured by NCU students in Breeze-2020**

Mr Mohit Yadav, Student of 3rd Year Civil Engineering along with his team from NCU participated in the Breeze-2020 sports fest organized by Shiv Nadar University, Noida from 7 to 9 February 2020. The team has brought laurels to the University securing the first position in the tournament. The department congratulates Mohit and his team for the achievement. (CEE2020O002)

**Parent-Teacher Meeting to Enrich Student's Learning Experience**

Department of Civil & Environmental Engineering conducted parent-teacher meeting on 1 February 2020. The main objective of the meeting was to create a common platform, where teachers and parents come together to discuss student's performance and devise ways to enrich their learning experience. The meeting was started with a presentation that included an overview of the Department and also listed the achievement of the students. Later mentors briefed the parents about their ward's performance, strength, achievements and areas of improvement. Parents were encouraged to appreciate student's participation in academic, co-curricular and extra-curricular activities. Information regarding Parent Information System (PIS) and E-portfolio was

also shared. Parents appreciated the information presented to them and provided feedback. The meeting helped to create a better understanding between parents and teachers. (CEE2020O003)

**Alumni Interaction**

Mr Ashish Bharadwaj from batch 2009-2013, presently working as water resource professional in Vancouver, Canada interacted with his junior batches on 10 February 2020. He briefed them about his journey from an intern to a water resource professional and shared his learning at each stage. He provided a list of foreign universities with scholarship programs for undergraduate students. He stressed on the application of Data Science and Machine Learning in Civil Engineering and suggested students to enroll for such courses on platforms like Coursera. The session was interactive, and students were happy to know about the water resource sector as a successful career for civil engineers. (CEE2020O004)

**Educational trip to TERI Gram Retreat**

One day educational trip to TERI Gram Retreat has been organized for Civil Engineering 2nd and 3rd-year students on 17 February 2020. The Energy and Resources Institute (TERI) is a not-for-profit research institute, which over the past 35 years, has been doing research in the areas of energy, environment and climate change issues. TERI Retreat is a self-sustained green campus involved in research work and projects on Rural Electrification, Renewable Energy, Solar Power, Natural Resources, Water Conservation, vermi-composting etc. A short film on self-sustainable energy-efficient buildings was shown to students and they were then taken for a campus tour. A solar rooftop system, a solar chimney and the air heat exchange tunnel were also shown to students and their design guidelines were discussed at length. Refused derived fuel (RDF) gasifier was shown to the students and various loose and compact materials that can be used as fuel were demonstrated. Wetlands for wastewater treatment and reuse and vermicomposting to convert solid wastes like dry leaves, food waste were also shown. The visit was a good exposure to students as it provided them with a pool of new ideas for their project work. (CEE2020V002)

**News from the School of Management****Board of Studies Meeting of School of Management**

Board of Studies Meeting of School of Management was held on 28 February 2020. The main objective of the meeting was to review and upgrade the course content of all the courses of SOM in order to meet the requirements of the industry as well as that of higher education. Courses of schemes of all the following programs; Masters of Business Administration (MBA), Bachelors of Psychology (BA Psychology-Hons), Bachelors of Economics (BA Economics-Hons), Bachelors of Business Administration (BBA), Bachelors of Commerce



(B.Com-Hons), were revisited. After discussions and suggestions of the committee members, the schemes were approved and it was decided that the amendments be made as per the suggestions received and the university guidelines. The meeting was attended by external experts: Prof. Anil Anand Pathak, Associate Professor, MDI, Gurgaon and Ms Pallavi Chopra, Senior Manager HR, ThoughtFocus, Gurgaon along with Prof. Prem Vrat, Chief Mentor, Pro-Chancellor, Prof. Swaran Ahuja, Dean Academics, Dean-SOM and the faculty members of SOM. (SOM2020O001)

### Invited as Keynote Speaker in Three National Conferences

Dr Esha Jain was invited as a Keynote Speaker in the Three National Conferences organized by Arts, Commerce and Science College, Kille-Dharur, Dist. Beed in association with Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 8 February 2020. First National Conference was organized by the Department of Economics on Sustainable Development Goals, the second National Conference was organized by the Department of Commerce on Tax Reform for developing viable and sustainable tax system in India, and the third National Conference was organized by the Department of Mathematics on Importance of Mathematics Education.

She delivered half an hour talk each on 'A review study on sustainable development goals: UN 2030 agenda', 'Impact of goods and services tax on the Indian economy' and 'Importance of Mathematics Education', which was well received and appreciated by the audience from different states of India. (SOM2020CA001)



### Seminar on Career Prospects in the Financial Sector

A seminar was organized by the School of Management, The NorthCap University, Gurugram on 'Career Prospects in the Financial Sector' on 12 February 2020. The speaker of the seminar was Mr Vineet Pawar – Regional Head, North & East India, Chartered Institute of Management Accountants London, UK. The seminar started with a short video describing the innovations in the financial sector and how it is replacing past talents with the new one. He also focused on students' needs and passion and related them with their current education and future prospects in the financial sector. After the seminar, the speaker met Dr Hemant C. Trivedi, Dean School of Management and had a discussion on how to expose the students to the corporate world followed by the University visit.



The seminar was organized by Dr Esha Jain, Faculty - School of Management and it was well-received by the students. (SOM2020WO001)

### Two Best Paper Presentation Awards

Dr Esha Jain, Assistant Professor at School of Management, The NorthCap University, Gurugram received two best paper presentation awards for the paper titled 'An Empirical Study on Factors Affecting Perception of Indian Educators on Entrepreneurial Education' and 'FINTECH:



Boon or Bane for Indian Banking System' at International Conference on Industry 4.0: Global Transformation Changes in Business and Management organized by Jaipuria Institute of Management, Indirapuram, Ghaziabad on 15 February 2020. (SOM2020O002)

### Invited as Session Chair in International Conference

Dr Esha Jain was invited as a Session Chair in the Technical Session – III on 'Future HRM Drivers: Leadership, Workplace & Workforce' at International Conference on Industry 4.0: Global Transformation Changes in Business and Management organized by Jaipuria Institute of Management, Indirapuram, Ghaziabad on 15 February 2020. (SOM2020O003)



### Invited as Keynote Speaker in National Conference

Dr Esha Jain was invited as a Keynote Speaker in the National Conference on Emerging Technologies Redefining the Financial Sector. The conference was organized by the Department of Commerce, Management and Computer Science, Mahatma Jyoti Rao Phoolle University, Jaipur on 18 January 2020. She has delivered a one hour talk on '10 Technologies that will disrupt Financial Services in the next 5 years' which was well received and appreciated by the audience.

### Guest Lecture

With an objective of enriching the classroom learning, SOM organized a guest lecture for BBA-1st year students on 'Emerging trends in Accounting Practices' by CA Umesh Chandra Sharma on 7 February 2020. The objective of the lecture was to make the students understand the emerging Practices in Corporate Accounting and relevance of Tally software in corporate sector.

The speaker discussed the impact of different accounting standards in the books of companies across various countries. He also spoke about the need for the adoption of these standards and gave many live examples of companies to substantiate his views. The students were exposed to various insights on significance of adopting Tally software in business enterprises. The lecture was coordinated by Dr Deergha Sharma. (SOM2020G001)



### Industrial Visit

SOM organised an industrial visit to Bisleri International, Kirti Nagar, New Delhi plant on 18 February 2020. Ms Avantika Dwivedi (Assistant Manager - HR) gave a presentation related to the history of Bisleri Plant. She told the students about the Aqua Green Revolution. Aqua Green Revolution is an ambitious dream of Bisleri that aims to contribute to a healthy future by providing pure drinking water, ensuring access to basic education and facilitate a balanced environment. Further, a small documentary film on Bisleri Plant was shown, which depicted the stringent 6-step purification process and how the consumers enjoy the sweet taste of pure water. Students also interacted with the staff of the Bisleri Plant and were shown videos of purification and packaging process of mineral water. The process is totally automated and is internationally designed keeping in mind the hygiene standards. Overall, the activity was highly interactive and it was a learning visit for the students on the

concepts related to production and operations within a manufacturing plant. 38 BBA students visited the plant. The visit was Coordinated by Dr Deergha Sharma and Dr Poonam Arora. (SOM2020V001)



## News from the School of Professional Attachment (SPA)

### Recruitment details

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
3 February 2020	Synergy Consultants	B.Tech (CSE), BBA, MBA, M.Tech	Established in 1989 in India, Synergy Consultants is recognized as the leading Executive Search and Selection Consultants that understand the psyche of Indian professionals and business practices and help find leadership talent from across the globe.	1 Selection
4 February 2020	Eckovation	B.Tech (All Branches)	Eckovation is a platform which allows discovery of students, teachers and content. A platform where teachers can launch a course and discover potential students and where students can discover courses of their interest. We are building a product which puts peer learning back at the Centre of online education.	2 Selections
6 February 2020	FIS Global	B.Tech, M.B.A., LLB, BBA, B.Com, B.Sc	FIS is a global leader in technology, consulting, and outsourcing solutions. Headquartered in Jacksonville, Fla., FIS has over 55,000 employees worldwide. FIS serves more than 20,000 institutions in over 130 countries. FIS provides software, services, and outsourcing solutions for various industries.	12 selections
7 February 2020	Pin Click	B.Tech (All Branches), MBA	Pin Click is one of the largest property advisory firm in the residential segment with offices in Bangalore, Pune, Delhi and Mumbai. Our mission is to simplify home search. We pride ourselves in our technology, people and process enabled solutions to help people search, view and move into their new homes.	1 selection
26 February 2020	WFX (World Fashion Exchange)	B.Tech (CSE)	World Fashion Exchange (WFX) is the world's leading provider of cloud-based enterprise software for the fashion industry with over 450 customers across 30 countries and presence across the United States, Europe, Asia, with an R&D Centre in India. With an 18+ years old industry leadership background, we are poised for even rapid growth and transformation in our domain.	1 selection
28 February 2020	HMC MM Auto	B.Tech (ECE)	HMC MM Auto Ltd is a joint venture of Hero MotoCorp Limited and Magneti Marelli S.p.A.. The Company is set up with the objective to design & develop the electronic fuel injection systems and related components and sub-assemblies. The company has its manufacturing facilities at Manesar.	2 selections



FIS Global team being welcomed by SPA



Eckovation campus team during the Pre Placement Talk

### Student Speak



#### Jasmita Walia

Placed with: Deloitte

USI Advisory: Technology Analyst

Batch 2016-20

B.Tech – CSE

"Everyone must have a vision and mission to be the best in what they do".

I started my journey with the dream to get placed with one of the best companies and make my parents proud of me. At The North Cap University, I got many opportunities to discover and work on my skills and be able to tackle any problem that was given to me. NCU helped me in enhancing my strengths in every aspect. I am thankful to my teachers who have always given me the best guidance and held my hands through the tough times.

During the third year of my college, I participated in the competition, Techno Utsav CCTC organized by Deloitte which was conducted in about 60 campuses throughout the country. It was a series of online challenges for over a month and the top 15 teams were invited to the Grand Finale at Deloitte, Hyderabad Campus. Being one of the finalists, I was fortunate to get a Pre Placement Interview with Deloitte.

This entire journey has been full of memories and I want to thank The North Cap University for being an integral part of my life. I would like to give special thanks to the SPA for providing me such a wonderful opportunity.

### RESEARCH PUBLICATIONS IN FEBRUARY 2020

#### APPLIED SCIENCES



**DR HUKUM SINGH**  
Associate Prof.

**TITLE 1:** 'An image encryption scheme based on hybrid fresnel phase mask and singular value decomposition'

**JOURNAL:** RECENT ADVANCES IN COMPUTER SCIENCE AND COMMUNICATIONS. FORMERLY CALLED RECENT PATENTS ON COMPUTER SCIENCE.

**TITLE 2:** Two level phase retrieval in fractional hartley domain for secure image encryption and authentication using digital signatures.

**JOURNAL:** MULTIMEDIA TOOLS AND APPLICATIONS



## ELECTRONICS AND COMMUNICATION ENGINEERING



**PROF. SWARAN AHUJA**  
Dean-Academics

**TITLE:** End-to-end performance of Hybrid DF/AF(HDAF) relayed underlay cognitive radio networks

**JOURNAL:** INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATION



**DR MONA AGGARWAL**  
Assistant Prof. - Sel Gr

**TITLE:** Experimental set up and implementation of a DSP ez2812 controller based voltage control of selfexcited induction generator.

**JOURNAL:** JIMS 8I- INTERNATIONAL JOURNAL OF INFORMATION, COMMUNICATION AND COMPUTING TECHNOLOGY



**DR ANJALI GARG**  
Associate Professor

## COMPUTER SCIENCE AND ENGINEERING



**DR REKHA VIG**  
Associate Prof.

**TITLE:** Double image encryption using 3D lorenz chaotic system, 2D non-separable linear canonical transform and QR decomposition.

**JOURNAL:** OPTICAL AND QUANTUM ELECTRONICS



**DR PANKAJ RAKHEJA**  
Assistant Prof. Sel Gr



**DR MEHAK KHURANA**  
Assistant Prof. - Sel Gr

**TITLE 1 :** Secure image encryption technique based on jigsaw transform and chaotic scrambling using digital image watermarking.

**JOURNAL:** OPTICAL AND QUANTUM ELECTRONICS

**TITLE 2 :** Two level phase retrieval in fractional hartley domain for secure image encryption and authentication using digital signatures.

**JOURNAL:** MULTIMEDIA TOOLS AND APPLICATIONS



**DR PRIYANKA VASHISHT**  
Assistant Prof. - Sr Scale

**TITLE :** Optimization of replica consistency and conflict resolution in data grid environment.

**JOURNAL:** INTERNATIONAL JOURNAL OF MATHEMATICAL, ENGINEERING AND MANAGEMENT SCIENCES

## CIVIL AND ENVIRONMENTAL ENGINEERING



**DR VAISHALI SAHU**  
Assistant Prof. - Sel Gr

**TITLE 1:** Experimental and numerical investigation of the effect of pre-existing utility tunnel on the bearing capacity of shallow footing in sandy soils

**TITLE 2:** Development of eco-friendly brick using water treatment plant sludge and processed tea waste.

**JOURNAL:** JOURNAL OF ENGINEERING, DESIGN AND TECHNOLOGY

## MECHANICAL ENGINEERING



**MR ROSHAN RAMAN**  
Assistant Professor

**TITLE:** Experimental studies to evaluate the combustion, performance and emission characteristics of acetylene fuelled CI engine.

**JOURNAL:** INTERNATIONAL JOURNAL OF AMBIENT ENERGY

## Research Papers Published

## JOURNALS

## INTERNATIONAL

- ❑ Shivani Yadav\* and Hukum Singh (2020) 'An image encryption scheme based on hybrid fresnel phase mask and singular value decomposition', Recent Advances in Computer Science and Communications Formerly: Recent Patents on Computer Science, Vol. 12, No. 1, **APS2020J009**.
- ❑ Monica Malhotra, Vaishali Sahu, Amit Srivastava and Anil Kumar Misra\* (2019) 'Experimental and numerical investigation of the effect of pre-existing utility tunnel on the bearing capacity of shallow footing in sandy soils', Journal of Engineering, Design and Technology, Doi: <https://doi.org/10.1108/JEDT-04-2019-0102>, **CEE2020J001**.
- ❑ Vaishali Sahu\*, Rounak Attri, Prashast Gupta and Rakesh Yadav (2019) 'Development of eco-friendly brick using water treatment plant sludge and processed tea waste', Journal of Engineering, Design and Technology, Doi: <https://doi.org/10.1108/JEDT-06-2019-0168>, **CEE2020J002**.
- ❑ Monika Arora\* and Mehak Khurana (2020) 'Secure image encryption technique based on jigsaw transform and chaotic scrambling using digital image watermarking', Optical and Quantum Electronics, Vol. 52, No. 2, pp. 1-30, **CSE2020J003**.
- ❑ Mehak Khurana\* and Hukum Singh (2020) 'Two level phase retrieval in fractional hartley domain for secure image encryption and authentication using digital signatures', Multimedia Tools and Applications, Doi: <https://doi.org/10.1007/s11042-020-08658-3>, **CSE2020J004**.
- ❑ Pankaj Rakheja\* Rekha Vig and Phool Singh (2020) 'Double image encryption using 3D lorenz chaotic system, 2D non-separable linear canonical transform and QR decomposition', Optical and Quantum Electronics, Vol. 52, No. 103, pp. 1-21, **CSE2020J005**.
- ❑ Priyanka Vashisht, Vijay Kumar\*, Rajesh Kumar and Anju Sharma (2019) 'Optimization of replica consistency and conflict resolution in data grid environment', International Journal of Mathematical, Engineering and Management Sciences

and Management Sciences, Vol. 4, No. 6, pp. 1420–1433, **CSE2020J006**.

- ❑ **Roshan Raman\*** and Naveen Kumar (2020) 'Experimental studies to evaluate the combustion, performance and emission characteristics of acetylene fuelled CI engine', International Journal of Ambient Energy, Doi: <https://doi.org/10.1080/01430750.2019.1709896>, **MED2020J001**.
- ❑ Anita Sharma\*, **Mona Aggarwal**, **Swaran Ahuja** and Moin-Uddin (2019) 'End-to-end performance of hybridDF/AF(HDAF) relayed underlay cognitive radio networks', International Journal of Electronics and Communication, Doi: <https://doi.org/10.1016/j.aeeu.2019.153056>, **ECE2020J015**.
- ❑ **Anjali Garg\*** (2020) 'Experimental set up and implementation of a DSP ez2812 controller based voltage control of selfexcited induction generator', JIMS 8i- International Journal of Information, Communication and Computing Technology, Vol. 8, No. 2, pp. 392-399, **ECE2020J016**.

#### BOOK CHAPTER

##### INTERNATIONAL

- ❑ **Neeti Kashyap\***, A. Charan Kumari and **Rita Chhikara** (2020) 'Service composition in IoT - A review' in Intelligent Data Communication Technologies and Internet of Things, Lecture Notes on Data Engineering and Communications Technologies (book series), Chapter 32, pp. 287-291, Springer Nature Switzerland AG 2020, ISBN-978-3-030-34080-3, **CSE2020BC002**.

#### CONFERENCE PROCEEDINGS

##### INTERNATIONAL

- ❑ Javed Mallick\* and **Ram Karan Singh** (2020) 'Inter-seasonal variations of surface temperature and vegetation cover using thermal remote sensing data', 8th International Conference on Fusion of Science and Technology (ISFT-2020), pp. 1-15, **CEE2020P001**.
- ❑ Raisy C D, **Sharda Vashisth\*** and **Amitava Sen Gupta** (2019) 'Soil moisture content detection based on GNSS- Reflectometry', IEEE Geoscience and Remote Sensing Conference (TENGARSS-2019), pp. 112-115, **ECE2020P001**.

#### CONFERENCE PRESENTATION

##### INTERNATIONAL

- ❑ Indu Bala and Anupam Yadav (2019) 'Optimal reactive power dispatch using gravitational search algorithm to solve IEEE-14 Bus system', International Conference on Communication and Intelligent Systems, Rajasthan Technical University, Kota, **APS2020C001**.
- ❑ **Mahima Anand** (2019) 'Doctoral track-investment in the career development of outsourced employees-A review', 7th PAN IIM World Management Conference, Indian Institute of Management, Rohtak, **SOM2020C001**.
- ❑ **Deergha Sharma** (2019) 'Mergers and acquisitions in indian banking industry', International Conference on Management Winning in a Vuca World, The NorthCap University, Gurugram, **SOM2020C002**.
- ❑ **Preeti Chawla** (2019) 'Knowledge management in organisation: A study', International Conference on Management Winning in a Vuca World, The NorthCap University, Gurugram, **SOM2020C003**.
- ❑ **Preeti Chawla** (2019) 'Digital finance and financial inclusion in india: An overview', International Conference on Management Winning in a Vuca World, The NorthCap University, Gurugram, **SOM2020C004**.
- ❑ Sapna Raghav, **Anjali Garg** and BK Das (2019) 'Emulator and its contribution in solar power analyses', International Conference on Trends in Computational and Cognitive Engineering, Central University, Mahendergarh, Haryana, **ECE2020C001**.
- ❑ Aakriti Khanna, **Anjali Garg** and Alka Singh (2019) 'Maintenance of DC link voltage using synchronous reference frame theory', 3rd International Conference on Recent Developments in Control, Automation and Power Engineering, Amity University, Noida, **ECE2020C002**.

- ❑ **Anjali Garg**, Vibhu Mehta, Shubham Soni, Ritika Sharma, Himanshu Goyal and Divyam Sachdeva (2019) 'Innovative smart hoisting assistance', 5th International Conference on Recent Developments in Science, Engineering and Technology, GD Goyenka, Gurugram, **ECE2020C003**.

Note: \* for Corresponding Author

#### CALL FOR PROPOSALS

S.No	Call for Proposals	Last Date
1.	DST -Science and Engineering Research Board - Core Research Grant (Individual Centric)	09.03.2020
2.	The United States -India Educational Foundation (USIEF)- Fulbright- Nehru Master's Fellowships	15.05.2020
3.	Turkey Government Scholarship -Turkey Scholarship Calendar 2020-2021	31.03.2020
4.	DST -Science and Engineering Research Board- Start-up Research Grant	09.03.2020

## Student Activities

- ❑ The student branch of Computer Society of India (CSI) at The NorthCap University, Gurugram (Region-I) has been conferred the Best Accredited Student Branch (2017 - 2019) in recognition of significant contribution to the CSI activities. (CSE02020013)
- ❑ The CSI Student Chapter of The NorthCap University, Gurugram organized a coding competition, Code-O-Fiesta, on 17 February 2020. The competition comprised of two rounds. The first round was the elimination round where the students were given Multiple Choice Questions related to basic programming. The second round was of Coding, in which the students were given three problem statements to solve in any programming language. Shubham Drolia (19CSU302) secured the first position; Satvik Nagpal (19CSU280) stood second and Hritik Kapil (18CSU088) secured the third position. More than 100 students participated in this competition. (CSE02020014)



- ❑ The IEEE Student Branch at The NorthCap University emboldens intellectual growth and spirit of volunteering among its members. Student members Virendra Pratap Singh (17CSU207), Vatsalya Upadhyay (19CSU341) and Animesh Das (19CSU027) have been given positions at the sectional, national and throughout the Asia Pacific region. (CSE02020015)



Virendra Pratap Singh has been selected as the Registration Lead in



IEEE CS Job Fair, Student Branch Networking Coordinator in IEEE Delhi Section, Student Networking Team and Membership Development Coordinator in IEEE CS SYP India Committee.

- ❑ Animesh Das has been selected as video editor in IEEE-R10 Student Activities Committee (SAC) Media and Publicity Supporting Committee that is spread over 1250+ student branches in the Asia-Pacific region of the IEEE. Owing to his past work in video making, editing and its marketing, he is selected as the Video Editor in IEEE SAC.



- ❑ Vatsalya Upadhyay has been selected as Publicist in IEEE CS Compute which is the newsletter of the IEEE Computer Society of India, the Student Activities Committee.



- ❑ ACM Student Chapter in collaboration with Minerva Quizzing Society held the third edition of the Tech Trivia Quiz on 14 February 2020. Total of eight teams participated out of which three were declared to be the winners. The event was organized by team of ACM chapter under guidance of Dr Rita Chhikara, Dr Meghna Sharma and Dr Priyanka Vashishth.



### Students Achievements

- ❑ Muskan Yadav and Ayushi Bansal of MSc (Maths) were a part of one week FDP program on 'Deep Learning Algorithms for Medical Image Processing' from 20 January to 24 January 2020 organized at Indra Gandhi Delhi Technical University for Women. The main objective of this program was to provide an opportunity to faculty members and research scholars to enrich knowledge and enhance their professional growth by acquiring knowledge from various specialists from both the industry and academia. This workshop comprised of lectures delivered by experts from IIT Delhi, IIT Roorkee, IIT Ropar, IIT Jodhpur, DTU, IGDTUW and NSIT. The program was focused on major topics in image processing, deep learning, medical imaging, machine learning, computer graphics, bio medical instrumentation and CNN. (APS2020O006)



### Trip to Manali

The NorthCap University organized a trip for students of all three schools to Manali from 29 February 2020 to 04 March 2020. 64 students participated in the trip, which was filled with fun and adventure. The students were highly engaged during the trip. They visited Solang Valley and also trekked upto the Hadimba Temple.



### First Prize in Science Exhibition at BML Munjal University

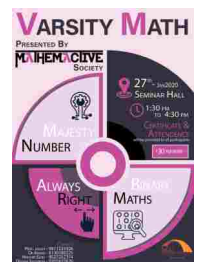
Department of Mechanical Engineering, The NorthCap University is proud to share that our student Mr Ritik Bhatia (2nd Year) participated in the Science Exhibition projects at BML Munjal University, held from 14 February to 16 February 2020. His project 'Automatic universal LPG stove controller for boiling of liquids' secured the first position during the 67th Milestone 2020 event by BML Munjal University. He was felicitated with a certificate and a cash prize of Rs 5500/-. This project is mentored by Dr Satnam Singh (Asst. Prof. MED, NCU) and is fabricated in Tinkering Lab of NCU.



### Society Activities

#### Varsity math quiz competition by Mathemactive society of NCU

Mathemactive Society of NCU (APS) organized a multi round aptitude as well as math quiz named 'VARSITY MATH' competition for all the students of all schools and branches on 27 January 2020 in the Seminar Hall. The first round 'MAJESTY NUMBER' was based on aptitude and reasoning questions with a limited time of 15 minutes. Around 120 students participated in the event. The second round 'ALWAYS RIGHT', in which 40 qualified students had to fill the blanks with numbers to get a desired number within the fundamental operators. Only 9 students qualified the second round. The third round named 'BINARY MATHS' was based on binary numbers. The winners of the competition were given trophies by Col. Bikram Mohanty (Retd.), Registrar. The winners were: Naveen (1st) (19CSU186), Piyush (2nd) (18CSU156) and Raman (3rd) (19CSU240). Participation certificates were given to all. The event was coordinated under supervision of faculty coordinator Dr Anshu and Prof. Kalika Srivastava. (APS2020O007)



## Sports

### Inter-Departmental Football tournament

#### Boys

The Inter-Departmental Football Tournament 2019-20 was held from 11 to 13 February 2020. The Winners - Boys were the CSU Team which consisted of Aryan Malhotra-18CSU035, Hrishik Kaul-19CSU128, Harmeet-16CSU137, Yash Parasher-16CSU429, Tushar-17CSU200, Tushar-19CSU326, Tanish Uppal-17CSU195, Ishant Yadav-17CSU085, Ishant-19CSU182, Hemanshu Chatterjee-18CSU084, Udbhav-17CSU201, Raghavender-19CSU234, Shivam-17CSU178, and Rohan Bhardwaj-19CSU256.

The runner's up were the SOM team.



## Outreach Activities of Prof. Prem Vrat

### Pro-Chancellor, Professor of Eminence & Chief Mentor

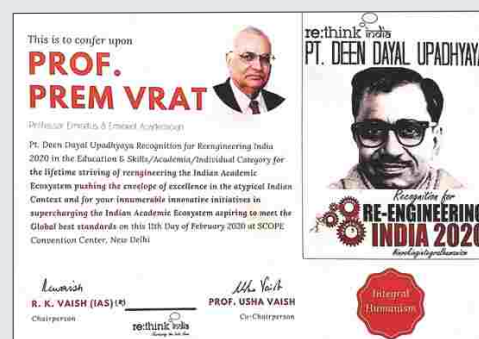


**Prof. Prem Vrat**  
Pro-Chancellor,  
Prof. of Eminence  
& Chief Mentor

- ❑ Prof. Prem Vrat attended the Annual Convocation of Amity University, Manesar on 1 February 2020 as an invited guest.
- ❑ Prof. Prem Vrat was conferred 'Pt. Deen Dayal Upadhyaya Recognition for Re-engineering India 2020' in education for life time striving of re-engineering the Indian Academic Ecosystem pushing the envelope of excellence in the atypical Indian context by re-think India on 11 February 2020 at SCOPE Convention, New Delhi.

- ❑ Prof. Prem Vrat was invited as Guest of Honour in the flag off (car rally) ceremony on the occasion of Maha Shivratri which is organized by Brahma Kumaris at their Palam Vihar centre, Gurugram on 12 February 2020.

- ❑ Prof. Prem Vrat chaired the meeting of Expert Committee appointed by Department of Heavy Industry to make a report on Roadmap for Smart Manufacturing in Industry 4.0 on 21 February 2020 at FSM, IIT Delhi. The Expert Committee finalized its report and submitted to Joint Secretary, DHI; Udyog Bhawan on 26 February 2020.
- ❑ Prof. Prem Vrat chaired the meeting of Advisory Board of KIET Group of Institutions, Ghaziabad on 22 February 2020.
- ❑ Prof. Prem Vrat attended a meeting of INAE Forum on Technology Foresight on 24 February 2020 at INAE Head Quarter, Gurugram, Haryana.
- ❑ Prof. Prem Vrat attended the meeting of NBA accreditation committee on 25 February 2020 at NBA, Head Quarter, New Delhi.
- ❑ Prof. Prem Vrat delivered lectures at IIT Delhi on Project Management as Honorary Professor.



## Outreach Activities of Prof H B Raghavendra

### Vice-Chancellor



**Prof. H B Raghavendra**  
Vice-Chancellor  
PhD, Indian Institute of  
Science, Bangalore  
MS (Research), IIT Madras  
BE, University of Mysore

- ❑ Vice-Chancellor, Prof. H B Raghavendra attended 2nd Tech VCs' Conclave at Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, Andhra Pradesh on 13-14 February 2020. The theme of the Conclave was 'Reinventing Excellence in Technical Education' which was followed by a satellite meeting on 'Challenges and Opportunities in Technical Education'. Shri Y.S. Jagan Mohan Reddy Garu, Honourable Chief Minister of Andhra Pradesh inaugurated the Conclave which was attended by several Vice Chancellors across India. Prof. Anil D. Sahasrabudhe, Chairman, AICTE and Dr Virander Singh Chauhan, Chairman, NAAC initiated deliberations on 'New Education Policy – The Future of Indian Higher Education'. Vice Chancellors also shared the best practices of their universities.

