

# Newsletter



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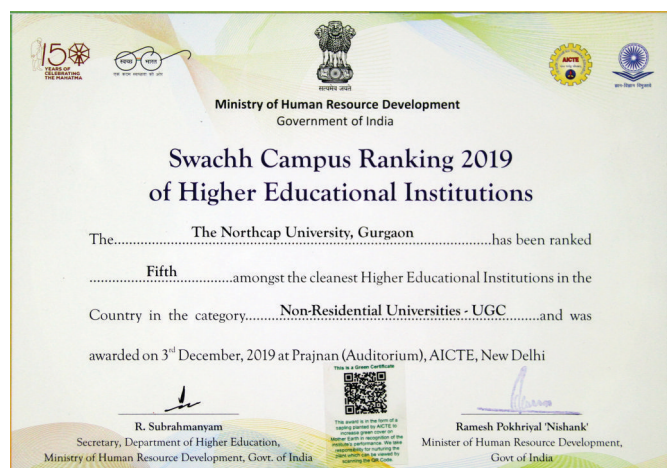
## THE NORTHCAP UNIVERSITY

(For internal circulation only)

### NCU Activities

#### Ranking

The NorthCap University, Gurugram, has been ranked among the top five cleanest University in the Country for second consecutive year in the category 'University (Non Residential)'. The award has been give to the University for Maintaining, Promoting and Encouraging the culture of 'SWACHHTA' in Higher Educational Institutions in the Country.



#### Pro-Chancellor nominated as Mentor for top Institutions of Eminence in the Country

Pro Chancellor Prof. Prem Vrat has been nominated by the Chairman Empowered Expert Committee, UGC, MHRD, Govt Of India to work as mentor for the Top Institutions of Eminence in the Country. The task is to hand hold top institutions in their efforts to put up better performance and achieve better global standards in teaching, learning and Research. His vast knowledge and experience in the field of academics for over 50 years will be a valuable asset to these top institutions of higher learning in the country.

Our Heartiest Congratulations to Prof. Prem Vrat .

#### MoU between Coding Ninja



An MoU was signed between The NorthCap University and Coding Ninjas, an Education-Tech company with keen focus on imparting tech education to college students in India, on 07 November 2019. Mr Rishabh Vij (Business & Strategy Head, Coding Ninjas) and Mr Naman Sharma (Campus Engagement Manager, Coding Ninjas) visited the university for signing the MoU on behalf of Coding Ninjas. Col. Bikram Mohanty (Retd) (Registrar, NCU) represented The NorthCap University.

Both the parties signed the MoU, resulting which Coding Ninjas will collaborate with Programmers Club in the NCU. This Programmers Club will conduct at least one monthly activity/event in collaboration with Coding Ninjas. The activities/events to be conducted by Coding Ninjas can be Workshops, Online Coding Events, Hackathons etc. This MoU is an initiative of Dr Vandana Khanna (faculty EECE dept.) under the expert guidance of Dr Sharda Vashisth (Head, EECE dept.)

#### 28 Governing Body Meeting

The 28 Governing Meeting of the NCU was held on 29 Nov 2019. Besides many other issues introduction of New programmes in the Academic Year 2020-21 was discussed. The members also reviewed the first ordinance which was approved in March 2012, by the Deptt. of Higher Education, Govt of Haryana. In addition to 11 existing ordinances the University has proposed inclusion of four new ordinances in the revised draft which will be now sent to the Govt. of Haryana for approval.

## 5th National Client Consultation Competition, 2019

This 5th Edition of National Client Consultation Competition, 2019 was organized under aegis of The NorthCap University, School of Law on 2 November 2019. Hon'ble Mr Justice BP Singh, former Judge Supreme Court of India was our Chief Guest of the programme. 31 teams from all over the Country came down to participate in the event. University School of Law and Legal Studies, Guru Gobind Singh Indraprastha University, New Delhi came out as winners. Dr Ram Manohar Lohiya National Law University, Lucknow came in the second position. The final round judges were Professor P.S Lathwal, Justice J.C Gupta and Justice S K Katriar. The co-ordinators of the programme were Deborisha Dutta, Anushka Choudhary and Himangshu Rathee (Asst. Professors at SOL). (SOL2019O060)



## Pledge

Institution of Engineers (India)-IEI society's ECE and CSE chapters conducted a one-week campaign on 'Water Conservation and No Single-use Plastic' from 1 to 5 October 2019 in the university. Under this campaign, a pledge ceremony for conserving water and not using one-time plastics was organized for faculty members, technical and administrative staff of the university on 5 October 2019. Pledge was taken for conserving water and not polluting our precious water resources such as rivers, tanks, wells etc. All members also took 4 R's pledge of Refuse, Reuse, Reduce and Recycle for no usage of plastics.



## The NorthCap University host Examination Reforms Workshop on behalf of AICTE

The NorthCap University hosted a one-day Workshop on Examination Reforms on behalf of the AICTE New Delhi in 2019 which was attended by about 90 External Faculty members from various Universities and Colleges of Haryana and NCR. The main aim of this workshop was to explain the importance of assessment in outcome-based education, to design strategy for outcome-based assessment at course level, to use Bloom's taxonomy in designing assessments tools or question papers, to choose appropriate method and to critique a given assessment design with respect to quality and structure. The workshop was inaugurated by Prof. Anil D Sahasrabudhe, Chairman AICTE along with Prof. Ashok Shettar, Vice-Chancellor, KLE



University, Belagavi, Karnataka, Prof. Rajive Kumar, Advisor AICTE, Prof. Prem Vrat, Pro-Chancellor, NCU and Col Bikram Mohanty, Registrar, NCU.

Prof. Dr Rajive Kumar, Advisor AICTE gave welcome address and talked about the application-based learning and making learning more exciting. He also discussed the importance of higher order abilities and professional skills for employability of graduates. With growing concern about the quality and employability of the graduates, Prof. Prem Vrat, Pro-Chancellor, NCU put light upon learning driven assessment and focused on assuring improvement of the structure and quality of the assessment. Prof. A D Sahasrabudhe, Chairman AICTE talked about the quality of technological education and put emphasize on practical orientation over theoretical exercise. He also discussed about ten-point agenda, curriculum revision and having faculty development programs to support examination reform programs with creativity and innovation.

Prof. Ashok Shettar, Vice-Chancellor, KLE University, Karnataka gave insight on betterment of the practicing techniques, with student learning that matters the most and introduced the 3-key elements viz. Curriculum, Assessment and Pedagogy. He also introduced the key drivers for examination reforms, sharing issues at hand and how can the system be organized, controlled and delivered with most effective solutions. Prof. PG Tewari, Dean Academics, KLE University, Karnataka focused on knowledge, skills and attitude and connected dots on the use of modern tools, ethics, team work, environment, life long learning with knowledge, skills and attitude and the best ways to deliver them. Prof. Gopalkrishna Joshi, Dean, Curriculum Design introduced the revised Bloom's taxonomy and its 6 levels in context of curriculum design, teaching methods and design appropriate exam questions. He also discussed the importance of no subjectivity in assessment and how the noun forms can be transferred into verb forms.

At the end there was a Question and Answers session based on hands-on-training during the workshop. The seminar was wind up with concluding remarks and vote of thanks by Mr R L Sharma, NWRO, Chandigarh to all the speakers and participants followed by National Anthem. Mr Tarun Kakar from AICTE was the anchor for the workshop.

\*Information regarding this news was erroneously missed out in our earlier edition. Error is regretted.

## Viva Voce

The following faculty members of the University defended their PhD, thesis in the interviewing period.

Ms Shilpa Jain, "Improved Soft Computing Techniques in Prediction of Groundwater Level" working under the guidance of Dr Anshu Malhotra and Dr Dinesh Bisht.

Ms Jyotika Pruthi, 'Edge Detection and Medical Image Segmentation using Metaheuristics' working under the guidance of Dr Kavita Khanna and Dr Shaveta Arora.

Ms Rakhi Nangia, 'Synthesis and Characterization of Polymer Nanocomposites and Polymer Blends for Organic Electronic Devices' working under the guidance of Dr Neeraj Shukla and Prof. Ambika Devi.

## News from the School of Engineering and Technology

### Department of EECE

#### Alumni Interaction and Pre-Placement Interview



Department of Electrical, Electronics and Communication Engineering organized Alumni interaction and Pre-Placement Interviews on, 30 October 2019. The session started with welcome note by Ms Kusum Grewal Dangi, Inaugural speech by Dean Academics, Prof. Swaran Ahuja, and address to the august gathering by Head of the department Dr Sharda Vashishtha. This followed by Interactive session with Alumni & BTech 3rd and 5th semester students of EECE department. Alumni presented their views on preparing for placements and life after graduation. After the motivational interaction, the Alumni been part of PPI (Pre-Placement Interview) conducted for BTech. 5th Semester ECE students to prepare them well for their upcoming placements. After that, alumni shared their valuable feedbacks to improve the existing system at department and university. It followed with souvenirs distribution and lunch.

#### Report on Alumni Interaction

Ms Palak Talwar is NCU alumnus and working as an Engineer with Lyft, San Francisco, USA. Department of EECE invited Ms Palak on 19 November 2019 to deliver a lecture on "Driverless Cars" to 2nd and 3rd year BTech (ECE) students. She talked about her work on self-driving cars and her career path. She emphasized on the importance of Electronics Engineering in the emerging applications like driverless cars, Internet of Things, Artificial Intelligence and Machine Learning.



### Department of CSE

#### Faculty Activities

- The CSE Department organized CODE NCU Round 2 on 27 October 2019. It was based on debugging and comprised of 20 questions in Python and Core Java. Students were required to find the bugs and make the code in running state. Total 18 students have been shortlisted for Final Round 3 of Code NCU that would take place on 08 November 2019. The problems were solvable in all the possible programming languages. Lakshay Baweja (17CSU093) and Lakshay Taneja (17CSU094) were the winner and runner-up of the competition respectively. The event was coordinated by Ms Poonam Chaudhary and

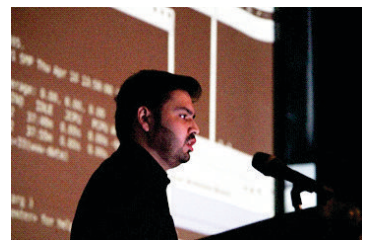


Ms Srishti along with a team of student volunteers of CSE department. (CSE02019062)

- Department of Computer Science and Engineering organized an expert lecture on "Data Analysis using Spark" on 8 November 2019. The Expert lecture was delivered by Mr Pushpinder, Deputy Manager, HCL Technologies, Noida. The lecture was started with introduction to data analysis using machine learning. A case study entitled Data Analysis for Car Automation was presented by him. He extended his lecture to Data Analysis using Spark. The Lecture was attended by 50 students BTech CSE and MTech CSE students. The workshop was coordinated by Dr Vijendra Singh. (CSE02019064)



- Department of Computer Sciences organized a workshop on "Cybersecurity and Penetration Testing". This workshop was addressed by Mr Aditya Jain, founder and Chief Trainer of Tech Brewery, and is also a certified EC-COUNCIL Cyber Security Expert. The workshop covered Internet Security, Hacking Systems, Mobiles, Web Applications, and Wireless Device. This event was attended by the 1st and 2nd year BTech students. This was organized by Mehak Khurana. (CSEW2019003)



- The NCU Chapter of Computer Society of India organised a TechQuiz on 7 November 2019. The motive of the quiz was to encourage inquisitive students to expand the scope of their knowledge about technology. The quiz was centred around tech giants, apps and websites that have been dominating the market since the past few years. Vineet Singla, Viyom Bansal grabbed the first position. (CSE02019060)



- An exhibition of Android App projects was held by the Department of CSE on November 19. The projects showcased the skills acquired by the students of Computer Science (V Semester) during the "Android Programming" Course, taught by Dr Sumanlata Gautam. Students

demonstrated their hard work, dedication and intelligence by presenting App solutions for various real-world problems. Faculty members encouraged the students by giving their valuable inputs for enhancing the projects. E-learning Apps, Brain teaser, Health and fitness apps, E-commerce, Cosmos Greek App, Game apps and many more projects were displayed in the exhibition. (CSEO2019065)



- Dr Jyotika Pruthi has received the Karamveer Chakra Award 2019 (Bronze Medal) in association with United Nations and ICONGO. Change makers were selected from all over India for their selfless service to the country in different areas like education, sports, social service, development etc. (CSEO2019070)



## Department of Applied Sciences

### National Level Competition for Physics

#### Students-Shastra Event in Association with IITM

A two-days workshop on Material Physics for BSc (H) Physics and research scholars was organised by Dr Ambika Devi and Dr Sunita Sharma from the APS department. The aim of the sessions under this workshop, conducted by Dr K K Saini, ex-Chief- Scientist, National Physical Laboratory, Delhi was to give basic and applied knowledge of nanotechnology which is being adopted to control air and water pollution. Two hands on experience sessions on synthesis of TiO<sub>2</sub> nanoparticles, deposition of good quality thin films by dip coating method and its characterisation were carried out at the Central Research Facility of the university. The evaluation of the students was done by taking a quiz and short answer questions by the speakers. First four positions (among 30 participants) were got by Prince Singh, Shivani Sharma, Shubham Pandey and Vaishnavi Sharma respectively. These toppers will participate in the final round of the National quiz at IIT. The certificates of participation were provided to students at the end of the event. (APS2019O032)



### Element Hunt: Celebration of International Year of the Periodic Table of Chemical Elements (IYPT 2019)

"ELEMENT HUNT" competition was organized by Dr Bharti Arora on 5 November 2019 for B.Tech I year students to celebrate The International Year of the Periodic Table of Chemical Elements (IYPT 2019). 2019 has been announced officially as The International Year of the Periodic Table Chemical Elements (IYPT-2019) by the United Nations Educational, Scientific and Cultural Organization (UNESCO) on 150th anniversary of the Periodic Table of Chemical Elements. The UNESCO encourages the events and activities to be held throughout the year in order to mark 150 years of the formation of the periodic table by Russian scientist Dmitri Mendeleev. The fundamental motto of IYPT 2019 is to recognize the importance of periodic table of chemical elements as one of the most important and influential achievements in modern science. A total of twenty-one students participated in this celebration and each team comprised of three members in the "Element Hunt" competition. Three teams reached the final round of the competition. The participants were judged based on their knowledge about the Periodic Table of Chemical Elements and their ability to cope up with time in the two rounds. The winners of the "Element Hunt" competition were awarded certificates along with a cash prize. The winning team included Namit Kumar (19CSU185), Ashutosh Sahu (19CSU418) & Lakshita (19CSU166). Participation certificates were given to all. The objective of the event was to enhance the understanding and appreciation of the Periodic Table and chemistry among the students. The participants took great interest and enjoyed it, making this event a success. The event was coordinated by Dr Bharti Arora from the APS department. (APS2019O033)



### Visit to Central Pollution Control Board (CPCB, Delhi)

An educational trip to Central Pollution Control Board (CPCB, Delhi) was organized on 15 November 2019 by Dr Aditya Sharma (APS dept.), for first year students taking Environmental Studies course in the current semester. A total of 40 students from BBA and BA first year were taken for the visit to CPCB by Dr Aditya Sharma and Dr Bharti Arora. The main idea of the visit was to demonstrate the testing of pollutants in laboratory conditions. The students were initially given a presentation by Mr V P Yadav (PCB division head, CPCB) on the working of the board at CPCB, followed by serving of refreshments to all the participants. All the students were taken to ambient air quality monitoring station for the real time data collection of 12 air pollutants. The students were thereafter divided in three groups and all the groups visited air pollution, water pollution and trace organic content (TOC) labs on rotation basis, where they were shown the sampling and analysis technique for detection and quantification of various pollutants. The students learnt and gained knowledge about the following topics: -

- SODAR technique for thermal structure of the lower atmosphere in real time and space
- Sampling and testing of various gaseous and particulate (PM 2.5 and PM 10) air pollutants in real time and in laboratory conditions
- Difference in parameters to be evaluated for fresh water, waste water and soil water samples



- Difference in sampling for analysis of biological (BOD) and chemical oxygen demand (COD) of the water sample
- Detection of TOCL (pesticides, hydrocarbons etc) using liquid- and gas-chromatography techniques
- Permissible noise level standards (day and night) in residential, industrial, commercial and silent zones and the device to monitor the noise pollution

At the end, the board members took students review on the visit and had a question-answer session by students. The board also invited Dr Aditya Sharma to visit the IT division of CPCB along with computer science students in the next year. (APS2019V004)

### Expert Session

A hand on expert session for B.Sc. final and M.Sc. first year mathematics was organized on 2 November 2019 titled "How to Visualize data from real world using Python" by Mrs Nishtha Madaan, an Advisory research NLP and machine learning expert IBM research AI. She showed the students how to use python and import data belongs to real life problem. The session was organized and coordinated by Dr Sanjay Yadav, faculty, Applied Sciences. (APS2019G007)



## Department of Mechanical Engineering

### Industrial Visit to WPIL Ltd. Ghaziabad

The department of mechanical engineering of The NorthCap University has organized an Industrial Visit to WPIL Ltd., Ghaziabad on 8 November 2019. The students of third year mechanical engineering witnessed the world class manufacturing facility of pumps. The visit is organised by keeping the contextual learning part for current year subjects, where hands on practice and deep understanding of subject can be implemented. Students were acquainted with forging, testing and machining of various pumps. The activity was coordinated by Dr Akanksha Mathur and Dr Satnam Singh. (MED2019V004)

### Six Sigma Yellow belt Certification program

- The department of Mechanical Engineering organized an online certification program for Mechanical Engineering 7th semester students studying Quality Assurance and reliability engineering course 4 and 5 November 2019. The Program was completed in collaboration with 6sigma institute, Bangaluru. It consisted of online video lecture followed by the six sigma experts followed by an Online Exam. A total of 56 students attended the program and appeared for the exam. All the students cleared the exam and got certified as six sigma yellow belt professional. The program was very well appreciated by the students. The certification programme was coordinated by Mr Anmol Bhatia, Assistant professor. (MED2019WO006)



- Dr Rohit Singh Lather, presented a paper titled "Performance Analysis of an LPG Cooking Stove for Improvements and Future Usability Perspective" at the 26th National Conference on IC Engines and Combustion (NCICEC 2019) organised under aegis of The Combustion Institute-Indian Section (CIIS) at the Department of Mechanical Engineering, National Institute of Technology (NIT) Kurukshetra from 1-4 November 2019. The paper has been selected for publication in scopus indexed journal. (MED2019CA001)
- The NorthCap University participated as an exhibitor in the "NUGEN MOBILITY SUMMIT 2019" held on 27 to 29 November 2019, ICAT Centre-II Manesar. The event was attended by over 4,000 Delegates/Visitors etc. from 15 different countries over these three days (27th - 29th Nov). 100+ Exhibitors participated in the event. There were more than 80 track events, which included the demonstration of all next-generation mobility, such as Electric Vehicle, Hydrogen-Powered Vehicle, Hybrid Vehicle, Autonomous Vehicle, etc. Hon'ble Minister for Road Transport & Highways of India and Shipping Ministry of Micro, Small and Medium Enterprises Mr Nitin Jairam Gadkari was the chief guest at the event. The delegated from The NorthCap university interacted with exhibitors' companies and networked for students' internships and placements. Dr. Rohit Singh Lather, Associate Professor, ME, and School of Professional Attachment (SPA), NCU, coordinated the visit. (MED2019O013)



### Poster Presentation

Mr Shivam Vats (16MEU064), final year mechanical engineering student, presented a poster titled "Crash-less Cars - It's Just the Beginning" at Student Pavilion at NuGen Mobility Summit 2019, held at ICAT Centre 2, IMT Manesar, Gurugram, Haryana from (27- 29 November 2019). Shivam attended the three-day conference as a student delegate. Dr Rohit Singh Lather guided the student for the poster presentation. (MED2019O013)



## Department of Civil & Environmental Engineering

### Department Activity

#### Alumni Interaction

Mr Vishesh Arora (Batch 2012-2016) took his valuable time out and interacted with students of 7th semester on 23 September 2019 to counsel them for career. He was campus placed in McDermott (CB&I) and still working here. He suggested the students to be clear for their career option as per their interest level and capabilities and then try to build a good skill set for the same. He also shared his learning at various stages during different projects and suggests junior batch to learn design software, like, StaadPro. He also mentored few students and help them to decide their career option based on their skill set. He also emphasized on site/field learning for Civil Engineers and invited students to visit his office for understanding various job types. Students were highly interactive and were keen to listen his suggestions. (CEE2019O053)



#### Mind Creation Workshop

The NorthCap University with International Youth Fellowship (IYF) organized Mind Creation workshop for the students on 26 September 2019. IYF is a worldwide youth organization with its headquarters in South Korea and spread in more than 100 countries around the world. IYF works for giving the best mind education for the betterment of society. Mind Education is modern science which has been developed for understanding, training and educating the mind for higher performance and better co-operation amongst people. A team of 25 from IYF which included volunteers from South Korea and India came to NCU. Total of 270 students has participated in the program. Honourable speaker Prof. Ahn Kye Hyun, Director, IYF, Nonsan City, South Korea and Mind Education Specialist, gave a talk on the importance of developing the mind and understanding precious human life. Prof. Paul Song, Director of IYF, India accompanied. The workshop had cultural show and activities for students. This workshop was organized by the Department of Civil and Environmental Engineering on behalf of The NorthCap University. Prof. Ramkaran Singh, Head International Office, Dr Archanaa Dongre, Head CEE, Mr Diptendu Roy & Dr Anuradha Dhull, Faculty coordinated the event. (CEE2019WO012)



#### Workshop on Revit Architecture

A workshop has been organized on "Rivet Architecture" by Ducat Academy, Noida, for the students of BTech 3rd and 4th year on 27 September 2019.

A basic introduction to three main components involved in any design i.e., computer aided design (CAD), computer aided engineering (CAE) and project planning management (PPM) has been given. Further a detailed step by step procedure to draw a four-floor building has been shown to students. Elevation, plan and a 3D building structure has been detailed to students. Properties of various basic components like, material, door, window etc. has shared with the students. A hand on workshop has been provided to students, where they learn the features present in the software and thereafter designed a building on Rivet

Architecture software. Ducat team also provided career guidance to students and shared list of various industries where Rivet is being required as primary skill. The session was interactive, and students learnt a brief about the software and the importance of it in various industries. (CEE2019WO013)



#### Pre-Placement Interview

The department of Civil & Environmental Engineering conducted Pre-placement interview of final year students on 5 October 2019. The panel of Experts consisted of Shri K N Sharma, General Manager (Project) Experion, Ms Shubham Shrivastava, Design Engineer, WS Atkins Pvt. Ltd. and Ms Namrata Singh, Engineer Structures, Lea Associates South Asia Pvt Ltd. One to one interaction was held with students that helped them to identify their career goal as per their interest and strength. The team even suggested ways to work on their areas of improvement. During the session career counselling was also provided to the students for various opportunities available for fresh graduates and skill requirement in the industry. (CEE2019O054)



#### Visit to G-Eng Advisory Services Pvt Ltd.

Dr Archanaa Dongre and Dr Vaishali Sahu attended a meeting with G-Eng Advisory Services Pvt Ltd. on 16 October 2019 at their office. A fast growing consultancy company with clients like, GMDA, NHA, HSIIDC, MORTH and many more is working on varied design related projects. The meeting was attended by CEO of the company, Mr Mahipal Singh and senior design engineer and NCU Alumni, Ms Akriti Gahlawat. The team gave suggestions for consultancy work of NCUTC and provided data to approach contractors for consultancy work. Mr Mahipal also suggests that experienced faculty can start proof checking of design as third party expert. They have extended their help to arrange students visit on their site and also for summer internship of students. The discussion was fruitful and looking forward for long association. The meeting was arranged and coordinated by Dr Vaishali Sahu. (CEE2019V005)



#### Expert Session on Sustainable Career

A session on "Sustainable career in core branches" was organized on 22 October 2019. The speaker of the session was Mr Jaideep Ahuja, Director and



founder of JARC Energy Solutions Pvt. Ltd. The speaker addressed the Civil, Mechanical and Electronics Engineering students about the career options in core engineering wherein all core engineering is required to work together. He discussed a case study on "Green Field Projects with Environment Friendly Techniques" and explained the step by step procedure involved in it. He further briefed about the risk assessment and analysis that is involved in such projects and the ways to solve it. He also shared his own journey and experiences to become a successful entrepreneur. The session was interesting and motivated students towards startups, innovation and entrepreneurship and had also made them aware about the various career options in core branches. (CEE2019G009)

#### HOD & Faculty of CE invited as External Expert for Mtech Viva

Dr Archanaa Dongre, Dr Vaishali Sahu and Mr Shubham Bansal were invited as External Expert for MTech Viva at SGT University, Gurgaon on 22 November 2019. Apart from viva a brainstorming session on "Challenges in Civil Engineering Admission" has been conducted with the faculty members of Department of Civil Engineering. The MTech students were counselled for PhD Program in NCU and the admission procedure was also explained to them. The visit was fruitful in terms of students' interaction and feedback. (CEE2019O057)

- Mr Lokesh Choudhary became a reviewer for a SCOPUS indexed journal named "Journal of Engineering, Design and Technology", published by Emerald. (CEE2019O056)

### Centre for Languages Learning

Centre for Language Learning organised an awareness session on POSH Act for the 7th Semester students on 13 November 2019. The speaker was Ms Pavni Puri, Trainer & Learning & Development Manager at Intercontinental Consultants & Technocrats Private Limited. (CLL2019O008)

## News from the School of Management

#### Workshop

A workshop was organized by The School of management on "Effective Leadership: Managing the Millennial" on 19 Nov 2019. The workshop was delivered by Mr Manish Arora (Project manager- Strategy, Optum Global Solutions). He interacted with final year students of BBA and MBA regarding the changing leadership roles in the 21st century. He discussed that millennial today are expressing a different need regarding leadership training, the



enhancing role of self-development through various online and offline courses, embracing a flat organizational structure, which provides communication and career development both upwards and lateral. Mr Arora discussed about the leadership skills needed in organizations and how students should prepare for them. He focused on a leader's role in fostering innovation, collaboration and value creation. This was followed by one to one student interaction, in which students clarified their queries regarding leaders in startups, disruptive leaders, traits of leaders etc. A healthy participation was seen among students during the whole session. The workshop was coordinated by Ms Mahima Anand and Dr Poonam Arora. (SOM2019WO011)

#### Industry Visit



Enduring NCU's sturdy focus on facilitating industry interface, 37 students from BBA and BCom accompanied by SOM faculty members - Dr Priyanka Banerji and Dr Jahnavi Bansal visited Hella India Lighting Ltd. (Derabassi, Chandigarh) on 1 November, 2019. HELLA India Lighting Ltd. brings "Technology of Tomorrow for the Life of Today" to Indian Roads. Member of the Management Board of the HELLA Group, Germany, along with all employees of HILL, have adopted the new strategy for the company to focus all future activities around the central theme of ensuring road safety on Indian Roads. In this regard HILL focuses on state of the art technology products for the special OE segment and safety awareness campaigns through its strong independent Aftermarket network. Students interacted with the operation team and management team of HELLA India Lighting Ltd. related to Production, Operations, Human Resource and Efficiency Management. The students toured the plant and observed various processes such as manufacturing of safety enabling products, manufacturing done through robots, contemporary HR practices, replacement of machineries through replacement theories, management of waste, machine efficiency monitoring, etc.

The visit helped the students to get the opportunity to understand the practical working environment that ranged from safety, filtration, production, efficiency management, waste management and state-of-the-art facility of HELLA India Lighting Ltd. Overall, the industry visit was an enlightening experience and helped the students to witness the application of theories and management principles in industry. The industry personnel welcomed opportunities of future industry visits for our students. (SOM2019V009)

#### Expert Session on Entrepreneurial opportunities in Financial Sector

An expert session was organized in the School of Management on 15 November 2019 on the topic 'Entrepreneurial opportunities in Financial Sector'. The speaker of the session was Mr Avtar Singh, CEO & Co-Founder, Intelliout Technologies Pvt. Ltd. and the target audience were final year students of undergraduate courses in SOM.

The objective of the session was to make the students understand the following aspects-

- Entrepreneurial opportunities in Financial sector
- Financial stability of the Indian Financial System specifically banking sector
- Recent trends and upcoming challenges for the Indian banking system in the digital era.



The speaker made the session interactive and worthwhile by linking various aspects of banking with the present volatile financial system. The session was coordinated by Dr Esha Jain and Dr Deergha Sharma.



**International Arbitration Summit, Indian Habitat Centre**

- LL.M (Corporate Law) Students along with Ms Pallavi Bajpai, Asst. Professor at School of Law, participated in an International Arbitration Summit at Indian Habitat Centre, Delhi organised by Berkley's Global Society on 16 November 2019. The event was inaugurated by Hon'ble Mr Justice V. Ramasubramanian, Judge, Supreme Court of India. The event witnessed 4 major panel discussions chaired and moderated by High Court Judges. Panellists were the speakers of outstanding eminence & expertise from across the nation as well as from abroad. (SOL2019O058)

**News from the School of Law**

- Mr Himangshu Rathee, Asst. Professor at SOL, presented a research paper on "Constitutional Aspects of Public Health Policy in India" at Think India Law Summit held on 6 October 2019 at Nehru Memorial Museum and Library, New Delhi. (SOL2019O055)

**Guest Lecture**

- A guest Lecture was organized by School of Law, on "Emerging Areas of Public Health Law" on 24 October 19. The lecture was delivered by Ms Anjali Singh, Associate Professor, Indian Institute of Public Health, New Delhi, where she discussed the public health problems and proactive solutions to those problems. The lecture was co-ordinated by Himangshu Rathee, Asst. Professor at SOL. (SOL2019G010)



**Workshop**

- School of Law, The NorthCap University, Gurugram organised Workshop on "Techniques of Alternative Dispute Resolution and Importance of Arbitration and Mediation in developing a Career" in seminar hall. The speaker of the workshop was Mr Sameer Shah, Chairman- India Branch at international Dispute Resolution and Risk Management institute. The workshop emphasised on use of ADR mechanism for dispute resolution. The training was imparted on how arbitration is working and how student can develop career in arbitration. The students were acquainted with the role of the Chartered Institute of Arbitrators and how to register themselves by giving practical demonstration of same. Also, emphases were laid on the pros and cons of Arbitration and Conciliation amendment Act, 2019. The workshop was coordinated by Ms Shiksha Dahiya and Ms Unanza Gulzar, Asst. Professors at SOL. (SOL2019WO009)

- Four faculty of School of Law namely Ms Unanza Gulzar, Ms Shiksha Dahiya, Ms Deborisha Dutta and Ms Garima Lakhmani attended a Guest Lecture organized by Law Centre-II, Faculty of Law, University of Delhi on "Rule of Law and Human Rights in India" held on 22 November 2019. The lecture was delivered by Hon'ble Mr Justice Iqbal Ansari (Chairperson, Punjab Human Rights Commission and Former Chief Justice, Patna High Court). (SOL2019O059)



**Industrial Visit**

- An Industrial visit was organized for 4th year BBA.LLB students on 8 November 2019 to Gurugram Mediation Centre to understand how mediation works as an alternative to resolve dispute outside the courts. The students were familiarized with the procedural aspects of mediation which proved to be an eye opening experience in many ways. The Visit was coordinated by Ms Unanza Gulzar. (SOL2019V001)

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

**Recruitment details**

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
01 November 2019	EXICOM Tele-Systems	CSE	EXICOM Tele-Systems is a company with over 20 years of experience in designing, engineering, and manufacturing of the complete range of power solutions for ever-changing telecom requirement, Industrial, IT and other markets. We design & supply Li-ion battery solutions and Charging Infrastructure for stationary backup applications and e-mobility.	2 selections
04 November 2019	UrbanClap	B.Tech, BBA, B.Com, B.Sc	UrbanClap is recognized as the fastest-growing startup in India. We are a mobile marketplace for local services. We help customers hire trusted professionals for all their service needs. We are staffed with young, passionate people working tirelessly to make a difference in the lives of people by catering to their service needs at their doorsteps.	1 selection



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01 November 2019	EXICOM Tele-Systems	CSE	EXICOM Tele-Systems is a company with over 20 years of experience in designing, engineering, and manufacturing of the complete range of power solutions for ever-changing telecom requirement, Industrial, IT and other markets. We design & supply Li-ion battery solutions and Charging Infrastructure for stationary backup applications and e-mobility.	2 selections
04 November 2019	UrbanClap	B.Tech, BBA, B.Com, B.Sc	UrbanClap is recognized as the fastest-growing startup in India. We are a mobile marketplace for local services. We help customers hire trusted professionals for all their service needs. We are staffed with young, passionate people working tirelessly to make a difference in the lives of people by catering to their service needs at their doorsteps.	1 selection
06 November 2019	Globus Eight	CSE, ECE	Globus Eight was founded in 2013, by a group of like-minded people from Harvard Business School, IBM and Jumbo Group. The quest was to provide innovative solutions in a simple to use format for the education institutes and others. Technology, made simple – this is what we work for.	7 selections
07 November 2019	Protiviti	B.Tech (CSE, ECE)	Protiviti (www.protiviti.com) is a global consulting firm that provides consulting solutions in finance, technology, operations, data, analytics, governance, risk and internal audit. Through our network of more than 70 offices in over 20 countries, we have served more than 60 percent of FORTUNE 1000® and 35 percent of FORTUNE Global 500® companies.	1 selection
11 November 2019	GenX Info Technologies	B.Tech (CSE), M.Sc (Physics, Math)	GenX was established in 2004 with an idea to build a reputable brand in the fields of application development and business process outsourcing services. We have our delivery center in Gurgaon, India & partner office in London, UK. We are focused on creating cost effective winning solutions for companies across the globe.	7 selections
14 November 2019	NCR Corporation		NCR Corporation (NYSE: NCR) is a leading software- and services-led enterprise provider in the financial, retail, hospitality, telecom and technology industries. NCR is headquartered in Atlanta, Ga., with 34,000 employees and does business in 180 countries.	6 selections
15 November 2019	Express Roadways	B.Tec (All Strea), MBA, BBA, B.Com	Express Roadways – India's one of the fastest growing Logistics Companies is renowned for its domain expertise and experienced employees in the Transportation sector. Express Roadways understand your logistics and distribution requirements the best and offers the most suitable logistics model and solution for you.	6 selections

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
15 November 2019	Tata Consultancy Services	B.Tech (All Branches) M.Sc, B.Com	Tata Consultancy Services (TCS) is an IT services, consulting and business solutions organization that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT, BPO, infrastructure, engineering and assurance services.	5 selection
21 November 2019	JLL	ECE	Jones Lang LaSalle Incorporated or JLL is an American professional services and investment management company specializing in real estate. Since March 2014 it has officially marketed itself under the abbreviation "JLL".	Result Awaited



GenX Info Technologies campus team being welcomed by SPA



NCR Corporation Campus team during the Pre Placement Talk



Express Roadways senior management being welcomed by SPA



Jones Lang LaSalle - JLL campus team along with our alumni being welcomed by SPA

### Student's Placement Experience for Session 2020



**Kartik Chauhan**  
Placed with: Capgemini  
Analyst  
Batch 2016-20  
BTech - CSE

"My name is Kartik Chauhan. I got placed at Capgemini as an Analyst. It was one of the best moments of my life. Here, learning wasn't just learning. It was more than that. Faculty here is one of the best I have ever come across.

The faculty and the placement cell have helped me along every step. We were given practical knowledge about the corporate world and how to manage ourselves in it. They have trained us for every different scenario in the interview process. They have always supported us and lifted us when we failed. NCU helped me to lift myself to new heights which I never thought I'll achieve.

The message I want to convey to my juniors and the future students of NCU is that you have to come out of your comfort zone, just to expand its boundaries, because this is a continuous process.

Every single day you have to learn new things and your horizon applying the acquired knowledge in your real life, which will be helpful to you. NCU is truly a very good platform for you if you want to succeed in your career."

## Research Papers Published

### JOURNALS

#### INTERNATIONAL

- ❑ Deepika\*, **Hukum Singh**, Narendra Sahay Saxena (2019) 'Laser-Induced Optically Modified Se58Ge27Pb15 and Se58Ge24Pb18 Thin Films', Radiation Effects and Defects in Solids, pp. 1-10, DOI: <https://doi.org/10.1080/10420150.2019.1679143>, **APS2019J026**.
- ❑ Deeksha Thakur\*, Charu Shri, A. K. Vij (2018) 'NCR, India Vaking Up! – Andragogical Recommendations', Journal of Contemporary Research in Management N(PSG Institute of Management, Coimbatore), Vol. 13, No. 1, pp. 11-22, **SOM2019J022**.
- ❑ Deeksha Thakur\*, Charu Shri, A. K. Vij (2019) 'Impact of Faculty Student Rapport on Classroom Environment', Asian Journal of Interdisciplinary Research, Vol. 2, No. 3, pp. 46-55, **SOM2019J023**.
- ❑ Deeksha Thakur\*, Charu Shri, A. K. Vij (2019) 'Factors affecting Faculty Student Rapport- A Study of Private Universities or Institutions in National Capital Region, India', Asian Journal of Interdisciplinary Research, Vol. 2, No. 4, pp. 27-36, **SOM2019J024**.
- ❑ Parul Munjal\*, **Deergha Sharma** (2019) 'Environmental Performance Reporting in Commercial Banks of India: Exploring Association with Financial Performance', International Journal of Innovative Technology and Exploring Engineering, Vol.8, No.12, pp.4390-4395, **SOM2019J025**.

### CONFERENCE PROCEEDINGS

#### INTERNATIONAL

- ❑ Shivani Yadav\*, **Hukum Singh** (2019) 'Asymmetric Cryptosystem Based On Fractional Fourier Transform Domain using Triple Random Phase Encryption', Communication and computing system Proceedings, pp. 104-111, **APS2019P003**.

### CONFERENCE PRESENTATION

#### INTERNATIONAL

- ❑ **Shrutimita Mehta** (2019) 'Post Colonial Feminism: Understanding the Mechanics through the works of Githa Hariharan, Golden Jubilee and 14th International Conference of ELTAI on the theme of Right to English, Amity University, Noida, **CLL2019C005**.
- ❑ **Divyabha** (2019) 'Art, Evolution and Experimental Aesthetics: Steps towards Aesthetic Appreciation', Golden Jubilee and 14th International Conference of ELTAI on the theme of Right to English, Amity University, Noida, **CLL2019C006**.
- ❑ **Satnam Singh** (2019) 'Effect of power level on the processing of Ni based casting through microwave heating', 4th International Conference on Emerging Trends in Mechanical & Industrial Engineering, The NorthCap University Gurgaon, **MED2019C005**.

Note: \* for Corresponding Author

## CALL FOR PROPOSALS

S.No	Call for Proposal	Last Date
1.	Department of Science & Technology (DST) - Women Scientists Scheme – A (WOS-A)	Scheme opened throughout the Year
2.	Council of Scientific and Industrial Research (CSIR)-Nehru Science Postdoctoral Research Fellowship Scheme	Scheme opened throughout the Year
3	Department of Science & Technology (DST) - India-Israel CFP 2020-22 for joint research cooperation	05.12.2019

## Professional Societies

### Economics: An Evergreen Discipline of Study



The Economic Collective Club, School of Management, The NorthCap University, organized The Economic Conclave on "Economics: An Evergreen Discipline of Study", Cream Bell being the Industry Partner, on 20 November, 2019 at The NorthCap University

Students from DAV and Indira Gandhi Senior Secondary School came and participated in the event.

The experts being:

1. Ms Sonia Pant, IES officer, an alumni of Kirorimal College and Delhi School of Economics, Delhi University, explained the concept in a very striking way and shared the variety of career opportunities in the field of Economics. She mentioned that Economics is mathematical, involves sophisticated models, makes use of enormous data sets and is invoked in the formulation of social and economic policies in such a way that the science of mechanics is invoked in the building of bridges. She also laid emphasis on Behavioral Economics, Quantitative Techniques, Mathematical Economics and their current utility.
2. Mr Pankaj Kumar, National Technical Expert, UNIDO, an alumnus of IIT Delhi, gave a new career dimension of Economics to the students in the form of Energy Economics, which is the need of the hour. He elaborated a beautiful bond between Science and Economics starting with  $E = MC^2$ , and how the Global Economy is running after this new amalgamation of Energy and Economics.

The objective of the conclave was to provide a platform for multidisciplinary inputs to debate and discuss the current challenges, trends, sustainability, strategy and use of technology in economics. (SOM2019C0003)

### Synergy Club Topic for Debate

Synergy Club Topic for Debate: "India should be established as a Cashless Society. Yes or No?"

Synergy Club, School of Management organized "Fin-Argument, Debate Competition" on 14 November 2019.

The objectives of the event were:

1. Demonstrate parliamentary debate and policy debate styles
2. To make students have deeper knowledge through exchange of thoughts in the given platform.

The students from BTech, BBA, B.Com and B.A. (Honors) participated in the Group discussion. There were total 30 participants for the competition. It started with a brief introduction by Ms Ruchi, Branch Head, Syndicate Bank, NCU Branch, who was the judge for the event along with Dr. Esha Jain and Dr. Priyanka Banerji.

The event was organized by Dr Jahanvi Bansal. (SOM20190012)

## Student Activities

- ❑ Meghna Luthra, MTech in Computer Science and Engineering and B-Tech in Information Technology with 6+years of comprehensive professional technical teaching and hands-on experience in Technology to engineering Graduates joined the Department of Computer Science on 1st November, 2019. Her areas of interest are: Image Processing, Pattern Recognition, Data Science, and Machine Learning & Business Analytics.



- ❑ The NCU Chapter of Computer Society of India organised a TechQuiz on 7 November 2019. The motive of the quiz was to encourage inquisitive students to expand the scope of their knowledge about technology. The quiz was centred around tech giants, apps and websites that have been dominating the market since the past few years. Vineet Singla, Viyom Bansal grabbed the first position. (CSEO2019060)



- ❑ IEI CSE & ECE student chapter organized an activity on 'Innovative Ideas' as a part of one week "Water Conservation and No Single use Plastic" Campaign on 3 Oct 2019. In this, Students shared innovative ideas on "what people should do so they can conserve water and stop usage of plastic?" Many students came forward with their innovative ideas and shared their opinion on how this campaign will give people a wake-up call to do something for the earth. (CSEO2019066)



- ❑ A Survey on Sustainable Development was conducted on 4 October 2019 under 'Water conservation and No single-use of plastic' campaign organized by CSE & ECE IEI student chapters. The primary objective of the event was to conduct a survey among college students and observe what are their views on Sustainable Development and their contribution towards it. Students shown active participation and filled up the survey form. It contained MCQ questions about what role



as the youth of the Country they play in preserving the natural resources. Students shared the online survey form with their classmates and friends and about 60 responses were observed followed by a lucky draw of five winners who were given a jute bag as a prize which encouraged them to discontinue using plastic bags. (CSEO2019067)

- ❑ IEI CSE & ECE student chapter, The NorthCap University, Gurugram organized a campaign on "WATER CONSERVATION AND NO SINGLE USE OF PLASTIC" from 1st to 5 Oct 2019. Under this campaign, a quiz was organized for the students on "ENVIRONMENTAL AWARENESS" on 1 Oct 2019. About 50 students participated. Winners got a jute bag as a prize which encouraged them to discontinue usage of plastic bags. The event helped students to learn more about the alternatives of Single use plastic. (CSEO2019069)



## Moot Competition

- ❑ GD Goenka University organized an International Commercial Arbitration Moot Competition from 8-10 November 2019. A team comprising of 3rd year BBA.LLB students Tanish Arora, Vinayak Jairam, Sahil Bhardwaj was adjudged as participants. (SOL20190056)



- ❑ To mark Law Day at the University, School of Law, organized a quiz on Constitutional Law which was held on 14 Nov 19, and it was won by Mr Karan Kataria, III year BBA.LLB student. (SOL20190057)

## Sports

### Inter-Departmental Cricket tournament

#### Boys

The Inter-Departmental Cricket Tournament 2018-19 was held from Cricket 06 to 08 November 2019. The Winners Boys were the ME Team which consisted of Gagan 18MEU006, Adit 16MEU003, Manoj 16MEU037, Yogansh 16MEU076, Parthendra 16MEU046, Aayush 16MEU015, Amit 16MEU009, Himanshu, 19MEU011, Yogesh 16MEU078, Yash 18MEU086, Sombhav 16MEU060, Mayank 18MEU009, Rajat Avasthi 16MEU052, Sarthak 18MEU017, Rajat Chawla 18MEU013, Shubham 16MEU065.

The Runner's-up were the SOL team.



## 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 North Zone Vice Chancellors Meet 2019-20 of Association of Indian universities (AIU) at Shri Mata Vaishno Devi University, Katra during November 16 & 17, 2019. The theme of the North Zone Vice Chancellors' Meet was 'Developing Employability and Entrepreneurship as Cornerstones in Higher Education'.
- ❑ Prof. H B Raghavendra along with Prof. Swaran Ahuja and Prof. Hemant Trivedi met Prof. B K Kuthiala, Chairperson, Haryana State Higher Education Council, at Panchkula on 21st November, 2019 for presenting a proposal on "Study Quality of PhD. Theses in Universities of Haryana State".
- ❑ Prof. H B Raghavendra attended preliminary meeting of the Committee constituted by Govt. of Haryana, Higher Education Department to examine the various aspects regarding amendment in Haryana Private Universities Act, 2006. The meeting was held on 9th November, 2019 at India Habitat Centre, New Delhi chaired by Dr Prashant Bhalla, President, Association of Private Self-Financing Universities in Haryana.
- ❑ Prof. H B Raghavendra along with Prof Ram Karan Singh met Dr.Sanjay Seth, Senior Director & Ms. Shabnam Bassi, Associate Director, TERI GRIHA, Council, at New Delhi on 28th November, 2019 for possible collaborations with "TERI GRIHA, Council".

## 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 Chaired the 2nd Expert committee meeting on "Smart Manufacturing Industry 4.0 platform – the Road ahead" of Ministry of Heavy Industry and Public Enterprises, Department of Heavy Industry (DHI), at Udyog Bhawan, New Delhi on 1st Nov 2019.
- ❑ Prof. Prem Vrat attended the 50th Annual convocation of IIT Delhi on 2nd Nov 2019. Dr. Kailasavadivoo Sivan, Chairman, ISRO was the Chief Guest.
- ❑ Prof. Prem Vrat attended the felicitation function of distinguished alumni awardees for the year 2019 at IIT Delhi in the Main Guest of IIT Delhi followed by dinner on 2nd Nov 2019.
- ❑ Prof. Prem Vrat attended the Book Launching function on a book entitled "Administration of Justice in Ancient India" on 3rd Nov 2019 at the National Law University, Dwarka, New Delhi invited by Vice-Chancellor, Prof. Ranbir Singh.
- ❑ Prof. Prem Vrat was Guest of Honor at the 14th Annual Awards Function of University of the Fraser Valley, Canada's Chandigarh campus on 07th Nov 2019. His Excellency Nadir Patel Canada's High Commissioner in India was the Chief Guest. President & Vice-Chancellor of University of the Fraser Valley, Canada, Dr. Joanne MacLean, among Vice-Chancellors of Punjab and Punjabi Universities were also present.
- ❑ Prof. Prem Vrat attended the 7th Leadership Conclave of IIT Delhi Alumni Association on 11th Nov at Hotel Leela, Chanakyapuri, Mr. Nitin Gadkari was the Chief Guest and Ambassador of Israel was the Guest of Honour and the theme of the conclave was "Disruptive Technology and Leadership".
- ❑ Prof. Prem Vrat Chaired the 3rd Expert committee meeting on "Smart Manufacturing Industry 4.0 platform – the Road ahead" of Ministry of Heavy Industry and Public Enterprises, Department of Heavy Industry (DHI), at Udyog Bhawan, New Delhi on 18th Nov 2019.
- ❑ Prof. Prem Vrat attended the meeting of INAE Forum an "Technology Foresight and Management" at INAE, Headquarter, Gurugram on 21st Nov 2019.
- ❑ Prof. Prem Vrat was Chief Guest at the WITCON-19; an International Conference on ECE at the WIT, Dehradun on 22nd Nov 2019 and he also delivered a keynote address.
- ❑ Prof. Prem Vrat delivered the lectures on "Supply Chain Management" at IIT Delhi as Honorary Professor on 05th 8th and 13th Nov 2019.
- ❑ Prof. Prem Vrat chaired the meetings of the Expert Committee Constituted by Department of Heavy Industry, Government of India on preparing a roadmap for Industry 4.0 held on 25th and 26th Nov 2019 at FSM, IIT Delhi.

