

# Newsletter

Vol. 53 March 2016



## THE NORTHCAP UNIVERSITY (FORMERLY ITM UNIVERSITY, GURGAON)

### NCU Activities

#### NCU Students shine in Startup Competition of Happening Haryana



In the preliminary rounds, over 300 students from about 50 colleges and universities from 22 districts of Haryana participated and pitched their ideas for startups. In the semi-finals held at THE NORTHCAP UNIVERSITY from 4-6 March 2016, 10 teams were selected for the final round, out of which 5 teams were from NCU. The Executive Director of Startup Accelerator Chamber of Commerce, Mr Sumeer Walia was highly impressed with the students' enthusiasm performance and complemented the Vice Chancellor for taking a lead role in this direction.

#### National Science Day

To spread the message of importance of science and its applications among students the University celebrated National Science Day on 29 February 2016 which is organized every year in the honour of Indian Physicist and Nobel Prize winner, Sir CV Raman. The celebration of the National Science Day kicked off with the final round of the National Science Quiz, which was organized with an aim to motivate school children towards taking up science in their higher studies and contributing to the national mission. The preliminary rounds were held earlier in which about 1000 students from 22 different schools from Delhi/ NCR participated. The students also had a tour of the University and its various facilities including labs and library.

The Happening Haryana Global Investors Summit 2016, organized by Government of Haryana in association with the Startup Accelerator Chamber of Commerce, culminated at Hotel Leela Ambience, Gurgaon on 8 March 2016. The students of NCU performed excellently and bagged two of the top three positions in the Startup Programme of Happening Haryana. Team 'Tag on' comprising Shubham Gupta, Shubham Dawra, Shubhashree Das and Sugshosh Pandey (all from Dept. of CSE&IT) stood first in the competition, while Team 'Bloodline' comprising Vineet Gupta, Pranav Jain, Palash Chhabra and Artika Manchanda (also from Dept. of CSE&IT) stood third. Finance Minister of Haryana, Capt Abhimanyu awarded the winners with cash prizes, certificates of recognition and trophies. The budding entrepreneurs pitched their innovative and fresh ideas which were appreciated by one and all present. The event aimed to encourage students to realize their dream of becoming entrepreneurs. The final day of the Summit was graced by the presence of the Chief Minister of Haryana, Mr Manohar Lal Khattar, Education Minister, Mr Ram Bilas Sharma, Finance Minister, Capt Abhimanyu and many senior dignitaries from Govt of Haryana and industries.



On this occasion students of the University demonstrated their innovative ideas and research work in the form of science projects. Some of the main projects included toll gate, coconut cutter, submarine, robot, FM radio, polymer matrix, drug detection, water purification system etc. The exhibits were appreciated by the audience including the visiting school students.

Later, the school children attended a special lecture by Prof. A Sen Gupta who delivered a scintillating talk on 'Antarctica- A Fascinating Continent'. The school children were spellbound and awestruck at the unique information they got to know about Antarctica. The awards for the winners of Science Quiz were given by the Pro-Chancellor, Prof. Prem Vrat, while the Pro Vice-Chancellor, Brig. SK Sharma (Retd.) gave away the prizes for the winners of Science exhibition.

## Special lecture by Prof. Kehar Singh

A special lecture on 'From Physics to Optical Engineering' by Prof. Kehar Singh, SS Bhatnagar awardee and Honorary Distinguished Research Professor was organized on 18 March 2016. The lecture was divided in two sessions of fifty minutes each and was attended by faculty members and students of the Department. During the informative lecture, Prof. Singh emphasized on all-pervasive nature of optical techniques in various fields of engineering cutting across all disciplines. The topics covered during the lecture included: 2015 as the International year of light and light based technologies, what is optics/ photonics, application areas of optics such as communications, remote sensing, health, manufacturing, energy, environment, defence, astronomy, non-destructive testing, displays, agriculture etc. Glimpses on role played by optical coherence tomography, digital microscopy, negative refractive index metamaterials, light interferometry gravitational observatory, holographic videos etc. were also provided. [APS2016G001]



## International Women's Day Celebrated

To empower and celebrate the strength of women, the University celebrated the International Women's Day on 8 March 2016. The School of Law organized an event in association with Indian National Bar Council (INBA) and Prachi Educational Society (PES) in the morning session. Ms Rekha Lohani (IPS), DIG, CRPF and Ms Helene Tremblay, an internationally acclaimed inspirational speaker, author and photographer from Canada graced the occasion as special guests. Prof. (Dr) Rama Patnayak, President, Prachi Education Society, Professor Delhi University and a renowned social activist and Ms Archana Agarwal, National Bar Council were special invitees at the event.



The programme highlighted the achievements and challenges that women have encountered to gain acceptability and their efforts towards achieving an equal footing with men. Ms Lohani spoke about the strong women leaders of modern India who have played important roles in different fields. She emphasized that women should be self-motivated and nothing should dampen their 'self-drive'. Through a visual presentation Ms Helen Tremblay highlighted the status of women in many parts of the world. Prof. (Dr) Rama Patnayak (PES) appreciated NCU's sincerity towards women empowerment. Students, Mukul Sharma and Manmohit Grewal, BBA-LLB (H) were felicitated for their outstanding social work during their internship at Prachi Educational Society. Besides the lectures by the distinguished guests, there were performances by the University Choir, dedicated to the cause of women. This was followed by a debate, extempore and interpreting the picture competitions related to women issues. The event was coordinated by Mr Subhradipta Sarkar (SOL) and Dr Divyabha Vashisth (CLL).

To celebrate the spirit of womanhood, the celebrations continued in the afternoon in coordination with Columbia Asia Hospital, Gurgaon, which was coordinated by Ms Deepika Deswal and Dr Shilpi Wadhwa. Talk on 'Health and Fitness' was organized for girl students and female staff members and delivered by Columbia Asia Hospital's team of Rheumatologist, Dr Shaloo Bhasin Gagneja, Dietician, Dr Honey Khanna and Gynecologist, Dr Amita Shah. An interactive session followed the talks which highlighted several common issues related to women.

## Interaction with Prof. SG Deshmukh

On the sidelines of the Fifth Academic Advisory Board Meeting held on 20 February 2016, Prof. SG Deshmukh, Director, ABV IITM Gwalior, shared his insights on higher education. In an exclusive interaction with Ms Rekha Mathur, Sr Editor, Prof Deshmukh mentioned that the present 10+2+3 structure of education in India is good but there should be special emphasis on skills-based learning that will better equip students to meet India's rapidly changing scenario and growth expectations. To further



**Prof. SG Deshmukh**  
Director  
ABV IITM, Gwalior

strengthen 'learner centred education', higher priority should be given to choice based curricula and there should be increased use of ICT in education. Digital learning technologies are a vital component for expansion and quality, as blended learning and MOOCs have a large potential. Prof. Deshmukh observed that currently there is limited collaboration with the industry but must be strengthened to bridge the supply-demand gap. Sensitization sessions to professionals are important in a 'learner centred education'.

Sharing his views on the skills necessary to make a start-up successful, Prof. Deshmukh emphasized that perseverance and risk taking aptitude are important skills that an entrepreneur must possess. One should be passionate about the project that is being started up and a strong team back up is necessary for a venture to be successful.

## Eye Check-up Camp organized at NCU



The University hosted an on-campus 'Vision Investigation & Consultation Camp' in partnership with TITAN on 29 February 2016. The objective of the camp was to bring eye investigations to our doorstep. Around 150 students, faculty and staff members of the University participated in the camp and benefitted from the advice of the technicians. The camp was organized by Dr Shilpy Wadhwa and supported by Dept of Civil & Environmental Engineering.

## Mini Marathon



The University organized Mini Marathon on 5 March 2016, in association with Brahmakumaris and Haryana Police. The marathon was organized in line with 'Sashakt Neev', a campaign run jointly by Brahma Kumaris and Haryana Police, for women empowerment and

gender equality. About 400 participants joined the marathon, including students, faculty and staff of the University along with family and friends and members of Brahma Kumaris fraternity. The occasion was graced by the presence of Prof. Prem Vrat, Pro-Chancellor NCU, Sister Asha and Sister Urmil from Brahma Kumaris, Mr Alok Mittal, IG-NIA, and Mr TL Satyaprakash, DC Gurgaon.

The sprinters ran for 5.5 km with a social cause and message for all to remain healthy and fit. The highlight of the event illustrated the desire of the institutions involved to express their support for women empowerment and gender equality. The runners were provided with Certificates of Participation and refreshments after the marathon. Mr Chetana Oly (Rotary Public School), Mr Jagdeep Dhull (Dronacharya School) and Mr Shrawan Rathore (BBA, NCU) were winners in the male category, while Ms Jyoti Gulati (Brahma Kumaris), Ms Indu Badgujar (COR, NCU) and Ms Mamta Rohilla (SOM, NCU) were winners in the female category. The students, faculty and staff of NCU participated in the marathon with full enthusiasm and 'josh'.

## University gets First prize in Garden Competition for 15th time in a row

The University bagged the 1st prize in the Educational Institution category during the HUDA flower festival held on 5-6 March 2016. Our band of gardeners headed by Mr Suresh deserve all praise for the grand and colourful look which they have given to the garden. They diligently worked continuously and took care of the plantations in the University garden. They have made all the efforts to meliorate the garden by planting seasonal flowering plants and protecting them from odd weather and conditions.

It is a matter of great pride that our garden has stood first, continuously for the last fifteen years.



## Outreach Activities of Hony. Distinguished Research Professor



**Prof. Kehar Singh**  
Honorary Distinguished  
Research Professor

- Prof. Kehar Singh, Honorary Distinguished Research Professor, delivered an invited talk on 'Optical Holography: Fundamentals and Applications' at a workshop on 'International Year of Light and Light-based Technologies' held in Dehradun on 13-14 February 2016. The workshop was jointly organized by Doon University and IRDE (DRDO) Dehradun.

- ❑ Prof. Singh served as an expert member on the selection/assessment committee for the selection of Professors, Assoc. Professors, and Asst. Professors in Applied Optics and Photonics at the University of Calcutta, on 23 February 2016.
- ❑ Prof. Singh delivered a lecture on the Science Day on 29 February 2016 at CSIR-CSIO (Central Scientific Instruments Organization) Chandigarh.

## News from the School of Engineering and Technology



### Department of EECE

#### Departmental Activities

##### Guest Lectures

An expert lecture on 'Biological Effects of EM Radiations' by Dr Satya Kesh Dubey was conducted by Department of EECE on 18 March 2016. Dr Satya Kesh Dubey is currently working as a scientist in Microwave Measurement group at National Physical Laboratory, New Delhi and holds a PhD from IIT BHU. His areas of research include biological effect of EM radiations, electromagnetic induced transparency, e-field probes and sensors, SAR probes, micro strip antenna, millimetre wave, and computational modeling of biological tissue in EM radiations.

The lecture was attended by research scholars and students of 3rd and 4th year ECE and EEE along with Prof. Amitava Sen Gupta, Mentor RDIL and other faculty members. It was an informative session where students and faculty got an idea of the latest trends in this domain. The event was coordinated by Mr Mandeep Singh and Mr Saurabh Sachdeva, Assistant Professors, EECE Department. [ECE2016G003]



##### Workshops Organized

- ❑ A one-day workshop on PLC and SCADA was organized by Dept of EECE on 25 February 2016. The workshop was conducted by APTRON Solutions Pvt. Ltd. The workshop had four sessions and covered introduction & career prospects of automation, experience on programmable logic controller designing (PLC), tagging, simulation & practice exercises and SCADA tools & usage.

The workshop helped the students to get hands on experience on PLC & SCADA, which is nowadays in demand for automation in the industries. The students also learnt the programming software, program uploading/downloading and integration between these

concepts. Students also practiced the concepts and virtual simulation of Allen Bradley PLC kits. They were assigned some practice problems in the form of projects so that they can apply the gained knowledge towards automation. The workshop was coordinated by Mr Mandeep Singh and Mr Nitin Garg. [ECE2016WO007]

- ❑ The Department of EECE organized a workshop on GSM Evolution with emphasis on LTE (long term evolution) on 14 March 2016. The workshop was conducted by Mr Nishant, Sr Manager, Mobile Comm Technologies (India) Pvt. Ltd., Gurgaon. Mobile Comm is a US-based company working in the field of telecom solutions and corporate trainings.

The workshop gave an insight into the latest telecom technology and applications with an industry perspective. The industry requirements were also discussed in an interactive session. The enthusiastic students gained from the insights of the speaker and learned how to fulfill some of the industry requirements. The event was coordinated by Ms Anita Sharma.

- ❑ The Department organized a workshop on Virtual Labs by IIT Delhi for students of BTech First Year (ECE, CSE, ME, CE) and BTech 2nd, 3rd and 4th year (ME) on 8 March 2016. The expert team of three members Mr Sajeev Soni, Mr Ashish Ranjan and Mr Prateek Sharma gave knowledge of accessing and performing experiments on virtual labs to the students. They also demonstrated various laboratories under the disciplines of Chemical Science, Physical Science, Computer Science & Engineering, Electronics & Communication Engineering, Civil Engineering and Mechanical Engineering. The workshop was organized by Dr Neeraj K Shukla and coordinated by Ms Geetu Lalit, Mr Mandeep Singh and Ms Rakhi Nangia. [ECE2016WO009]

- ❑ The Department organized a workshop on 'Hands-on session on Matlab' for students of BTech EEE 3rd year on 17 March 2016. The workshop aimed to give a practical exposure to students on Matlab. The topics covered in the workshop were matrix operations, 2D and 3D plots, basics of programming e.g 'for loop', 'if else statements', 'case statements', declaring functions, image processing, arithmetic operations on images, spatial domain transformations etc. This workshop was coordinated by Mr Mandeep Singh and Mr Pankaj Rakheja. [ECE2016WO010]

## Industrial Visits

- On 26 February 2016, the Department organized an industrial visit to Nokia Siemens Networks, Gurgaon. Around 30 students of BTech ECE 6th sem and MTech ECE were taken for the visit to understand the concepts of wireless and mobile communications better. The students were first briefed about the components of GSM, WCDMA, LTE and their working and then they were introduced to the practical scenario in the labs. The students were very interactive and their queries were aptly responded to by Mr Kashif from the company. The visit was coordinated by Ms Anita Sharma, Ms Mona Aggarwal and Ms Naresh Kumari. [ECE2016V004]



- An industrial visit was organized for BTech 6th sem students on 26 February 2016 to Krishna Maruti Ltd., Manesar. The visit was useful for students to give them practical exposure to manufacturing of electronics components of car and assemblies for motor vehicles and their engines, stamping etc. which they study in their course curriculum. The visit was coordinated by Mr Pankaj Rakheja, Mr Sidharth Bhatia and Ms Amanpreet Kaur. [ECE2016V005]
- An industrial visit was organized for BTech 6th sem students on 4 March 2013 to Sonakoyo Steering. The Sona Group has engineering capabilities in the areas of electronic power steering, machining and assembly, precision forging, cold & hot forging and heat treatment. The group's range of products primarily consists of steering and driveline components for the automotive OEM segment namely passenger cars, utility vehicles, commercial vehicles and specialty vehicles. The students got an opportunity to visit research and development lab. The visit was coordinated by Mr Pankaj Rakheja, Mr Mandeep Singh and Ms Nidhi Sharma. [ECE2016V006].
- The Department organized an industrial visit for BTech EEE 6th sem students on 18 March 2013 to Maruti Suzuki Ltd. Students got an opportunity to visit 11 KVA substation plant, which has 3 gas based and 2 steam based plants. Students learnt about the working of transformers, circuit breakers etc. and visited the control room. The visit was coordinated by Mr Mandeep Singh, Mr Nitin Garg and Mr Pankaj Rakheja. [ECE2016V007].

## Alumni Interactions

- The Department organized an interactive session with our alumnus Mr Jagtar Singh (2011 batch) on 11 March 2016. Mr Singh



interacted with pre-final year students of BTech and delivered a special talk on 'System on Chip design verification and role of Intellectual Properties'. Mr Jagtar Singh is currently working as Design and Verification Engineer at Qualcomm Technologies India Pvt. Ltd. He has worked on the projects related to IP sub-system, SoC verification, development of complete verification suite for IP (AMBA of Synopsys) verification. The session helped the students understand the corporate world practices and future requirements of the industry so that they could prepare themselves for various companies. The event was coordinated by Mr Mandeep Singh and Ms Nidhi Sharma. [ECE2016WO012]

- The Department organized an interactive session of students with our alumnus, Mr Siddhartha Jaitley on 3 March 2016. Mr Jaitley delivered a lecture on 'Robotics' which helped the students understand the hardware interfacing of the peripherals with the controller. This further gave the possible solution and outcomes that robotics industry provides. The session was attended by pre-final year BTech students of EECE Department. The event was coordinated by Mr Mandeep Singh, Ms Ashu Gautam and Ms Sheila Mahapatra. [ECE2016WO013]
- The Department organized an Alumni Meet for the students of ECE and EEE 6th sem on 5 March 2016. Eight alumni from different batches visited the University to interact with the students. They talked to the students on how to prepare for different placement tests and interviews. The students raised a lot of queries about various companies and their recruitment processes, which were aptly responded to by the alumni. The students also asked about off-campus recruitment. The HoD EECE, Prof. Swaran Ahuja and Director SPA, Mr BK Gupta also participated in the alumni meet. The event was coordinated by Ms Anita Sharma. [ECE2016WO008]

## Pre-Placement Interviews

Pre-Placement Interviews (PPI) for the students of ECE and EEE 6th sem were conducted on 5 March 2016. Panels comprising faculty members and alumni interviewed the students who appeared for the mock interviews. Technical as well as HR questions were asked and tips given to the students for further improvement. The students were appreciative of the feedback they got from the interaction with alumni and placed students.

## Department of CSE and IT

### Departmental Activities

#### Guest Lectures

- A guest lecture on 'Deep Learning' by Prof. RK Agrawal, Dean, School of Computer & Systems Sciences, JNU, New Delhi was organized by the Department on 11 March 2016. During the lecture, Prof. Agrawal enlightened an audience of around 50 students and 10 faculty members on the vast applications of deep learning like computer vision, character recognition, automatic speech recognition, natural language processing and bio informatics. He explained the basic concepts of classification and neural networks and covered the concepts of deep learning based on set of algorithms that attempt to model high-level abstractions in data by using multiple processing layers with complex structures. He could capture the attention of the audience very well as he explained the concepts with practical examples on character recognition. The lecture was organized by Ms Rita Chhikara. [CSE2016G021]



- A special lecture on 'Importance of Mathematics in Engineering' by Prof. Karmeshu from JNU, New Delhi was conducted on 28 March 2016. Students of BTech CSE 2nd sem attended the lecture and interacted with the guest speaker. The lecture was coordinated by Mr Sandeep Singh. [CSE2016G022]

#### Other Activities

- The Society of Cyber Security Education and Research (SOCER) was launched to work in the domain of cyber security, cryptography, ethical hacking and related areas. The Society serves as an appropriate platform to exchange information and ideas by organizing talks of eminent speakers on the latest research topics,



conducting workshops, promoting research projects on cyber security and hacking, providing trainings and more. The Society offers courses in network security & cryptography, intrusion detection systems, cyber security, reverse engineering & malware analysis, secure coding & vulnerability, ethical hacking and SQL injection & web hacking. It functions under expert guidance of Dr Meena Kumari, Professor, Dept of CSE&IT.

- The Department conducted second phase of Pre-Placement Interviews (PPI) for 3rd year CSE&IT students on 5 March 2016. Six alumni working in reputed software industries like Gartner, Inc., Infosys-Business Technology Consulting, Guavus Network Systems, Tata Consultancy Services Limited and Evolphin Software were invited to conduct the PPI for 50 students. Students were given the detailed feedback regarding their technical/attitude parameters. The event was organized jointly by Alumni Cell and Industry Institute Interaction Cell.



- A team including Senior Data Scientist, Senior Data Analyst and HR Manager from Annik Technology Services Pvt Ltd visited the CSE/IT Department to conduct the internship interviews in the specialized field of data sciences and analytics for the final year students of Data Analytics group. The visiting team was impressed with the technical skills of students in the area of data sciences and offered placement to one of our students, Akshay Nagpal (12CSU022).
- The Department organized a session on 'Pedagogy Training' for the faculty on 19 March 2016 which was conducted by Dr Naveen Prakash. During the session Dr Prakash covered various aspects including importance of vision and mission for an organization. He also involved faculties in various activities based on case studies. The next session of this training series will be conducted in April 2016.
- The Department of CSE&IT has signed an MoU with Michigan Technological University (MTU), USA for the 3+1+1 program wherein a BTech student can complete his fourth year from MTU. He/she can also complete his post-graduation in one year from MTU. Teacher training and academic research programmes are also a part of the collaboration.
- The Department of CSE&IT is pleased to share that an MoU has been signed with Doctor Insta, a software venture based in Gurgaon offering us various opportunities for summer internship, joint projects and consultancy projects.

- ❑ The Department is pleased to share that an in-house BTech project of 'Temperature Monitoring' under the guidance of Dr Prachi has been deployed in the University that helps in monitoring of the temperature.
- ❑ To teach art & science of cryptanalysis of ENIGMA machine which was used in World War II, a movie screening of 'Imitation Game' was organized for students of BTech IT 6th sem and MTech Computer Science with specialization in Cyber Security, on 15 March 2016 in the auditorium. The audience experienced it as fun-filled, educational and enlightening event which was coordinated by Dr Meena Kumari.

### Faculty Activities

- ❑ Dr Naveen Prakash was invited as a resource person for Outcome based training at Siliguri Institute of Technology from 11-13 March 2016, to conduct the pedagogy training session for the faculty.
- ❑ Dr Prabha Sharma attended the Central Council Meeting of the Operational Research Society of India at Kolkata, on 12 March 2016.
- ❑ Dr Akansha Singh chaired a session on Evolutionary Algorithms for Image Processing applications on 18 March 2016 during 10th INDIACom 2016 organized by BVICAM, New Delhi. She also participated as a chairperson in a special session during the conference.
- ❑ Mr Anil Kumar Mishra was invited to deliver a live lecture on 'Principles of Software Engineering' on EDUSAT network which was telecast live through VYAS channel by Consortium for Educational Communication (CEC), an inter-university Centre of University Grants Commission (UGC).
- ❑ Ms Anuradha Dhull reviewed the manuscript for the International Journal of Rough Sets and Data Analysis (IJRSDA).
- ❑ Ms Anuradha Dhull, Ms Poonam Sharma, Ms Neha Sahu and Ms Jyotika Pruthi were part of technical program committee during INDIACom 2016 organised by BVICAM, New Delhi.
- ❑ Dr Charan Kumari has been promoted from Assistant Professor (Selection Grade) to Associate Professor.

## Department of Civil and Environmental Engineering

### Departmental Activities

#### Guest Lectures

- ❑ The Department organized a guest lecture for the students of 4th and 6th sem on 4 March 2016, conducted by Mr Ashok Garg, Deputy General Manager, Project Division, Engineers India Limited. Mr Garg has over three decades of experience in the field of engineering and project management on construction practices and management.

Through the lecture, Mr Garg shared his experiences with the students and discussed the problems faced at construction site in detail. He also shared some interesting videos and case studies on the subject. [CEE2016G004]

- ❑ The Department organized an expert session on 'Design of inter modal terminal at Varanasi along Ganga river' by Mr Ram Avtar Garg on 15 March 2016, for the students of 4th and 6th sem. Mr Garg has a vast experience of over 45 years, serving at varied posts in Irrigation Department UP, Utrakhand and Lok Nirman Vibhag Utrakhand.

During the interactive lecture, Mr Garg presented the actual project details of the design of inter modal terminal at Varanasi along Ganga river. He demonstrated the construction of well foundations used in the project and had an in-depth discussion on the project cost. The lecture was coordinated by Ms Purnima Bajpai. [CEE2016G005]



- ❑ The Department organized a guest lecture on Quality Control of Roads by Mr Om Prakash Sharma, IDSE (Retd Chief Engineer) on 17 March 2016, for the students of BTech 4th, 6th and 8th sem. The session was very informative as he shared and discussed the real time challenges and problems faced at the site during the construction of roads. He gave an overview about the Pradhan Mantri Gram Sadak Yojana (PMGSY). Mr Sharma also discussed various quality tests to be conducted to render the construction materials suitable for the construction of roads. During the interactive session, he discussed some case studies on the subject and responded to the queries of the students. [CEE2016G006]



### National Level Design Competition

The Department organized a National Level Design Competition for the students of Civil Engineering and Mechanical Engineering, in association with CADD Centre, Dwarka. The preliminary screening round was conducted at the University on 23 February 2016 in which a total of 70 students of both departments participated. A total of 20 students were



shortlisted for the second round. The second round at the zonal level was conducted on 3 March 2016 which witnessed participation of students from more than 30 colleges/ universities from Delhi/ NCR. The event was coordinated by Ms Purnima Bajpai.

Ashutosh Goyal, 2nd year student of Civil Engineering, qualified at the zonal level and moved to the state level conducted on 12 March 2016. The results are awaited. The students qualifying at the state level would later compete at national level at Bangalore. [CEE2016WO002]



### National Science Day

5 teams from Dept of Civil & Environmental Engineering participated in project exhibition held on the occasion of National Science Day on 29 February 2016. Laxman Yadav and Ankit Walia won the 1st prize in the competition for their project on 'Experimental Analysis of Permeable Concrete Pavement' under the guidance of Ms Garima Srivastava and were felicitated by the Pro Vice-Chancellor, Brig SK Sharma (Retd). The Department congratulates all the participants and the winners.



### Pre- Placement Interview

On 5 March 2016, the Department organized pre-placement interviews for the 3rd year students who will be appearing for placements in the next semester. The main purpose of conducting the PPI was to give the students an experience of appearing in an interview and also to make them understand the importance of preparedness during an interview.

The PPI was conducted by five alumni of the Department from different batches, working in different areas of Civil Engineering. The students were judged on the basis of their technical skills, HR skills, overall grooming,

GK, presentation etc. Feedback was provided to the students for their improvement. [CEE2016O005]

### Workshops Organized

The Department organized a workshop on Revit Architecture software on 24 February 2016 for the 2nd year students. The workshop was conducted by CADD Centre, MG Road, Gurgaon. The objective of the workshop was to make the students understand the software applications of estimation and costing. The workshop helped the students understand the importance of Revit Architecture software and its applications in the field of Civil Engineering.

Trainers from the CADD Centre illustrated the applications of the software and its practical approach in order to simplify the work at construction sites. The event was coordinated by Ms Purnima Bajpai.

[CEE2016WO003]



### Faculty Activities

- ❑ Ms Purnima Bajpai, Asst Professor was invited as a panellist for the discussion on 'Emerging Issues and Opportunities in Power and Transport Infrastructure' on 15 March 2016 held at IIT Delhi, where representatives from Ministry of Power, Ministry of Road Transport and Highways, Planning Commission, CERC, CEANHAI and Ministry of Railways were present. She gave a presentation on her area of research to the panel and was appreciated by all.
- ❑ On invitation, Prof. S Krishnamoorthi attended an event on 'Digital Landscape' co-hosted by Google and Unipro Education, a certified Google Partner on 14 March 2016 at Google, Gurgaon. The latest insights and trends including sessions from Google experts were held to show how digital platforms can help propel higher education further.

### Student Placement

The Department congratulates the following students of final year on their job placement during the last one month:

S. No.	Name	Company
1.	Mr Apoorve Gupta	SKC Infrastructure Pvt Limited
2.	Mr Ashish Ahlawat	SKC Infrastructure Pvt Limited



## Department of Mechanical Engineering

### Departmental Activities

#### Automotive Technical Festival – Saksham 2016

The SAE Collegiate Club of the University organized its technical-cum-automotive festival, 'Saksham' 2016 from 10-12 March 2016. The fest, based on 'Make in India' theme, witnessed support from dignitaries from core industries like Maruti, iCAT, Mahindra, John Deere, etc. About 250 students from over 30 different universities and colleges across North India participated in the fest and showcased their projects and technical skills. Technical events were a prime attraction in the fest and included SAENIS student convention, national level project display competition, battle of bots, cross-bow design and manufacturing, aero-model design and manufacturing, national design challenge, and others. Some leisure activities like LAN gaming event, mini-militia event and cultural performances were also organized for the entertainment of the audience. The automotive events with display of modified cars, TSD navigation rally and off-road rally event were appreciated by one and all.

The idea behind organization of this fest was to enhance the technical capabilities of the students. This vision is not only to teach students about the theoretical knowledge and the concepts but also to make them learn about the practical usage of that knowledge by making them apply to real life challenges. Being organized for the first time in North India, the event inspired the students to organize more such automotive-cum-technical festivals and encourage students to imagine and innovate. [MED2015WO008]



### Alumni Interactions

Mr Vijay Singh Dalal (alumnus 2015 batch) visited the Department on 16 March 2016. Mr Dalal interacted with the first year Mechanical Engineering students and motivated them to pursue higher education. Mr Dalal has been selected for Masters programme of EBS University for Business and Law, Germany. He shared his insights on pursuing higher education in engineering in foreign universities for PG programmes. The interaction was coordinated by the alumni team members Mr Anmol Bhatia, Mr Gagan Baradia, Ms Deepa Manani and Dr Sunil Hans (APS). [MED2016G002]

### Industrial Interactions

The Department organized an industrial visit to a Maruti Suzuki authorized workshop in Gurgaon on 16 March 2016 for students of Mechanical Engineering 8th sem. Students learnt about the latest technologies in the

field of repair and maintenance of vehicles, layout of workshops, procedures of various maintenance and preventive maintenance of the vehicles. They also got a practical exposure on opening and closing of job cards and inventory demand and consumption procedures. The visit was coordinated by Prof. JK Gera, Mr Ravinder Kumar and Mr Mukesh Kumar.



### Society Activities

- The Personage Society of Department of Mechanical Engineering organized a Group Discussion on 'Is Make in India initiative, fruitful?' on 5 February 2016. The students participated in the discussion with zeal and expressed their views for and against the motion. The session was worthwhile for the students to understand an Engineer's roles in Make in India initiative. It was a healthy discussion in which various new ideas were floated. The session concluded with the proposal that youth should be facilitated with proper skills & training to make this initiative fruitful. Mr Anmol Bhatia and Mr Gagan Baradia from Mechanical Engineering Department judged the students and their presentations. The session was coordinated by Ms Deepa Manani (faculty coordinator for Personage Society). [MED2016O008]
- A debate activity was organized under Personage Society on 15 March 2016, for students of B.Tech 6th sem. The competition was adjudged and moderated by Mr Anmol Bhatia and Mr Gagan Baradia. The teams were well prepared and they used various skills like overstatement, definitions, irony etc. to put forward their viewpoints. The participants, armed with statistics and data made their arguments emphatic with their right body language and gestures. The event was coordinated by Ms Deepa Manani. [MED2016O009]



## Department of Applied Sciences

### Departmental Activities

#### Educational visit to Krishi Unnati Mela

An educational trip was organized by Dr Rashmi Tyagi for 1st year BTech CSE students to Indian Agricultural Research Institute, New Delhi on 19 March 2016. An agricultural Mela was inaugurated by our Prime Minister, Mr Narendra Modi. The students learnt the practical aspect of topics related to the course Environmental Studies through exhibition of models, posters at the Mela. Some of the exhibits were related to sustainable agricultural techniques, like drip irrigation, variety of bio-fertilizers for different crops, types of bio-pesticides, models for vermin-compost production, various genetically modified crops, CO<sub>2</sub> incubators, poly-house and glass-house models, etc. They also observed the models of water conservation methods, various renewable energy systems like, wind mill, solar drying systems, etc. [APS2016V001]



### Mathemactive Society Activity 'Fit-in-One'

The Mathemactive Society organized an intellectual event on the occasion of the technical fest 'Saksham'. The event 'Fit-in-one' comprised two rounds. First round was a rapid fire round. 12 students were qualified for the second round in a tough competition. Six teams, each consisting of two students, were formed. The event was coordinated by Prof. Kalika Srivastava from Department of Applied Sciences. [APS2016O004]



### Faculty activities

- ❑ Dr Hukum Singh has been awarded the Recognized Reviewer Status of prestigious Journal of Elsevier (Optics and Lasers in Engineering) in January 2016. [APS2016O005]
  - ❑ Dr Bharti Arora was invited to take a session in one day lecture series at Maharaja Surajmal Institute of Technology (MSIT), New Delhi on 12 March 2016. She delivered a lecture on 'Insight into Structural Polymorphism of DNA'. [APS2016I001]
- Dr Arora was also invited to attend the Higher Education Technology Conference 2016 on 18 March 2016, organized by EdTech Review held at The Leela Ambience Hotel, Gurgaon. During the event, four panel discussions were held and attended by higher education institution leaders, wherein she participated on various sub-themes on behalf of the University. [APS2016CA002]
- ❑ Dr Amita Bhagat has been invited as the reviewer for 'Computers and Industrial Engineering', Elsevier.

### Society Activities

#### Inauguration of NCU's OSA Student Chapter



THE NORTHCAP UNIVERSITY's OSA Student Chapter celebrated its inaugural day through a ceremony on 4 March 2016. The event witnessed the presence of OSA NCU Student Chapter fraternity led by Prof. Kehar Singh, a prominent OSA Fellow. The ceremony marked its beginning with the traditional lamp lighting by the Guest of Honour, Prof. Singh, followed by a brief presentation on the emergence, evolution and objectives of the Optical Society, as well as NCU's OSA Student Chapter.

Prof. Kehar Singh addressed the gathering and talked about the importance of optics in contemporary technologies. The winners of the recently held Science Quiz Competition were given tokens of appreciation by the Chief Guest. The ceremony concluded with Prof. Kehar Singh wishing success for all the students and faculty associated with OSA and a vote of thanks by OSA's President. Dr Hukum Singh, Dept of Applied Sciences is the OSA-Chapter Advisor.

## Centre for Language Learning

### FDP on Communication Skills

A session on Faculty Development Programme on Communication Skills was conducted on 5 March 2016 by Dr Divyabha and Dr Payal Khurana. The focus of the session was on improving the oratory skills especially correct pronunciation, coherence of ideas, proper intonation and speech to improve verbal and non-verbal communication. [CLL2016FO001]

The second session of the FDP was conducted on 19 March 2016 by the same team. The session focused on the speaking skills of the participants because at the professional front it is communication and its related skills that help in a person's career curve. [CLL2016FO002]

## Network 'n+i' Engineering Education Seminar

The University organized Network 'n+i' Engineering Education Seminar on 14 March 2016, wherein PhD and Master's Degree study options in France were discussed. The seminar was attended by final year engineering students of the University. Ms Golda Malhotra, Coordinator for network n+i Engineering Studies in France interacted with the students and responded to their queries. She elaborated that Network 'n+i' is a single online portal for making a single application to 50+ elite engineering institutes in France. The Network trains highly qualified, multilingual engineers who can lead effectively on international projects in a multicultural environment. The n+i Network offers various packages and scholarship options for international students in France. The Seminar included information about all areas of engineering (like agriculture, telecommunications, civil engineering, mechanics, informatics, biotechnology, chemistry, materials, electronics, environment, etc.) The applications for the courses can be made online through the n+i website. Ms Malhotra briefly interacted with the Pro-Chancellor, Prof. Prem Vrat and the Pro Vice-Chancellor, Brig SK Sharma (Retd) after the event. [CLL2016WO001]



## Industrial Visit

An educational visit to Vegazva Engineering Pvt. Ltd was organized for students of CSE 1st and 2nd year on 26 February 2016. The students got an opportunity to interact with the alumni of the University at Vegazva Engineering and also got an exposure of corporate culture. They were also shown a presentation on 'Various Engineering Projects' of the company. They got a positive response for their interest in doing internship with the company. The visit was coordinated by Dr Shrutimita Mehta and Dr Kalika Srivastava. [CLL2016V001]

## News from the School of Management

### Departmental Activities

- ❑ School of Management organized Pre-Placement Interviews for its students on 19 March 2016. The students were given a detailed feedback for necessary improvement from employability point of view. [SOM2016O007]
- ❑ An industrial visit to Carrier Aircon (Gurgaon Plant) was organized on 11 March 2016 for the students of BBA and MBA. Carrier Aircon is world's leader in high technology heating, air-conditioning and



refrigeration solutions. The visit comprised a presentation about the organization showing their vision, core values, training for the employees, achievements and a tour of the factory. The company officials responded aptly to the queries of the students during the visit with a dedicated Q/A session at the end. The visit was coordinated by Dr Sushmita Biswal Waraich. [SOM2016V001]

### E-Cell Activities

The Entrepreneurship Development Cell (E-Cell) of NCU organized a lecture session, 'Journey of an Entrepreneur' by Mr Amit Chaudhary, Co-founder and COO, Lenskart, on 16 March 2016. The session was attended by around 100 enthusiastic students. In the interactive session with the students, Mr Chaudhary narrated his journey from student life at BIT Mesra to becoming an entrepreneur. He encouraged the students to give it a kick-start, if they are passionate about any venture. He stayed back for a mentoring session on students' request, many of whom were ready with their entrepreneurial ideas. Mr Chaudhary also gave away Certificates to participants of the Essay Competition organized earlier on 2 March 2016 by E-Cell. Vaibhav Kaushik (ME 6th sem) was declared winner of the competition. The event was coordinated by Vimal Dahiya (MBA 2nd sem), Harshit Goel (CSE&IT 4th sem), Priya Bhargava (MBA 2nd sem), Prateek (CSE 2nd sem) and Pankaj (CSE 2nd sem). [SOM2016G002]



### Faculty Activities

- ❑ Dr D R Agarwal, SOM, was invited by GD Goenka University as a chairperson in the 'International Conference on Flattening of the Globe: Propelled by E-Commerce and Supply Chain' held on 4-5 February 2016. About 10 research papers were presented in the technical session. He gave his valuable inputs on quantitative methods, which were well received by the participants. [SOM2016O008]



Dr Agarwal was also invited by the TV Channel Haryana News on 29 February 2016 to give his comments on the Union Budget 2016. The programme was a live telecast during which questions were asked from persons of different fields. He replied to the questions as a teacher of Economics. [SOM2016O009]

- ❑ Mr Mohd Hussain Kunroo, Asst Professor earned his PhD degree in Economics from Department of Economics, Jamia Millia Islamia, New Delhi. On 14 March 2016, he defended his PhD thesis on the topic 'Optimum Currency Area: An Empirical Analysis of Euro-zone and Non-Euro Countries'. [SOM2016H001]
- ❑ Dr Sushmita Biswal Waraich was invited to attend the Business Today HR Knowledge Forum on 9 March 2016 at ITC Maurya, New Delhi. There were panel discussions on job crisis and talent acquisition by senior managers from the corporate. [SOM2016O006]
- ❑ Ms Sunaina Sangwan, Dr Shilpa Sindhu and Dr Ruchi Nayyar, Asst Professors attended a short term course on 'Advances in Business Analytics', under Continuing Education Programme at Department of Management Studies, IIT Delhi from 19-22 March 2016. [SOM2016O010, SOM2016O011, SOM2016O012]
- ❑ Ms Jiveta Chaudhary and Ms Sunaina Sangwan have earned Diploma in Training and Development from Indian Society for Training and Development. It is the only professional course recognized by Govt. of India for training of trainers in the country and is designed to meet today's training/HRD challenges. It is recognized by the Ministry of Human Resource Development, Govt. of India, for the purpose of recruitment to superior posts under the Central Government and is approved by the Department of Personnel and Training (DoPT), Ministry of Personnel, Govt. of India under its Faculty Development Scheme and the Director (Training), DGR, Army HQ, Ministry of Defence, Govt. of India. [SOM2016O013]

## News from the School of Law

### Departmental Activities

#### Guest Lectures

- ❑ With an objective of highlighting the lacunae in the criminal justice delivery system, the School of Law organized a special lecture on 'What ails the Judicial System?' by Mr RS Dalal, IPS, Former Director General of Police, Haryana on 3 March 2016. During his lecture to the students of Law, Mr Dalal expressed concerns on the rise in number of backlog cases before the courts and unusual delay in the justice delivery process. He also emphasized on the fact that



the overflowing of litigation should be addressed urgently and judiciously. Having served as a senior officer in the Police force for long years, Mr Dalal shared his experiences including the challenges encountered during his service. He strongly urged everyone to combat perennial issues like corruption to build up a more accountable society. The students were motivated by a documentary shown by him which was based on various phases of his service in Police. Mr Dalal also encouraged them to join Indian Police Services to contribute meaningfully towards the society. [SOL2016G004]

- ❑ With an aim of highlighting the international and national provisions of Juvenile Law, the School of Law organized a special lecture on 'Right to Equality and Juvenile Justice Act 2014' on 10 March 2016 by Prof. Ved Kumari, Professor-in-charge Law Center I, University of Delhi.



Prof. Ved Kumari in her lecture compiled the various national and international legal instruments as well as legal provisions of other countries dealing with the issue. She gave an analytical view on the legal protections and penal provisions of our juvenile justice system. Considering the magnitude of the problem, she underlined that the number of factors including neglect and delinquency are common and interrelated, based on socio-economic and psychological issues. Prof. Ved Kumari also shared the summations of her experience of over 30 years in the field of juvenile law. [SOL2016G005]

### Workshop Organized



On 1 March 2016, the School of Law organized a workshop on 'Charting Your Way through Law School' in association with myLaw.net for the 1st and 2nd year students of Law. The workshop was organized to encourage and guide the students in planning their career during their studies at our Law School. The objective of the workshop was to discuss the basic skills that Law students particularly in their preliminary years require to develop

a strong foundation for their studies as well as in their legal career. Mr Nikhil Chandra, CEO of myLaw.net was the speaker and key resource person for the day. Sharing his experiences, Mr Chandra said that the students should start planning for their future right from the initial years including choosing their internships meaningfully. He insisted that Law students must have an analytical mind and good communication skills – both written and oral. At the end, a short aptitude test was also conducted for the participating students. [SOL2016W001]

### Faculty Activities

- ❑ Dr Praveen Kr Lohchab was invited to judge the National Moot Court Competition at SGT University, Gurgaon on 5 March 2016.
  - ❑ Dr Rahul Nikam, Assistant Professor was invited to National Law University of Assam, Guwahati, to deliver a series of lectures on 8 and 9 February 2016, for students of BA-LLB. The lectures were on different topics including company law, international trade law and moot court skills and orientation.
  - ❑ On invitation of University School of Law and Legal Studies (USLLS), GGSIP University, Delhi, Dr Arvind P Bhanu, Associate Professor went to judge All India USLLS First Year Students' Moot Court Competition 2016, held on 27 February 2016.
- Dr Bhanu was also invited as a judge at 4th International Moot Court Competition, 2016, organized by Amity Law School, Centre II, Amity University, Noida from 10-12 March 2016. The competition focused on laws related to the sports.

- ❑ IDBI, Connaught Place Delhi branch visited the University to run a drive for summer internship and selected 15 students from our University.
- ❑ Asahi India Glass, a company for core branches conducted their on-campus placement drive on 19 March 2016 for which results are awaited.

### Other Activities

- ❑ School of Professional Attachment believes that to sustain in today's competitive environment, it is essential to uplift the quality of students in both technical and soft skills. In an effort to sharpen up the presentation skills of the students, Aarohan Club organized 'Prastuti' 16', a powerpoint presentation competition. Over 100 students from all the three Schools of the University enthusiastically participated in the competition and showcased their presentation skills. The event was aimed at building confidence, teamwork, leadership skills, soft skills and public speaking among the students. The Pro-Chancellor, Prof. Prem Vrat, the Pro Vice-Chancellor, Brig. SK Sharma (Retd) and Director SPA, Mr BK Gupta inaugurated the competition and encouraged students with their motivating words.
- ❑ Deloitte, one of the important placement partners of NCU, organized a national level competition, 'Deloitte Collegiate Cyber Threat Competition' for young aspirants to sharpen their skills in Cyber Threat vertical. On 21 March 2016, Deloitte professionals visited the University to conduct the preliminary round of the competition. 120 students participated in the competition. Three groups qualified for the next round who will now compete with teams from other colleges.

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

### Placements during the month

- ❑ The festival of Holi was special for many students of the University bringing colour of joy and happiness of placement for them. On 14 March 2016, a team of senior human resource personnel from Tata Consultancy Services, along with technical experts visited the University to address pre-final year students and made them acquainted with the latest TCS industry practices. Students showed a great level of engagement, while raising many relevant queries from the delegates. This in turn led TCS officials to take back a positive feedback of our upcoming batch 2017 for the next year campus placements.
- ❑ Vegazva Group, an EPC firm visited the University on 16 March 2016 to conduct an on-campus placement drive. 9 students got selected in the organization.



## News from the Library

### Training on Knimbus Database



The Library and Information Resource Centre (LIRC) of the University organized a training programme on Knimbus Database on 9 March 2016. The training on the newly subscribed federated search engine was held to provide an overview of the tool and hands-on experience to users. Mr Saurabh and Mr Kaushal, Training Managers from Knimbus conducted the session, attended by faculty members of different departments of the University.

Knimbus team is also working on an Android app for our University, which is expected to be provided to us soon. As we know, Knimbus provides

access to subscribed content across over 13000 open access journals in a single window. Substantial content from Youtube, Wikipedia, Slide share etc. are available in single search tab through Knimbus. The training session was coordinated by Mr Deepak Sharma, Assistant Librarian who plans more such training programmes in the future for the benefit of faculty members.

## Research Papers Published

### Book Chapters

#### International

- ❑ **Bharti Arora**, Eun Ha Choi, Masaharu Shiratani and Pankaj Attri (2016) 'Cellulose: A Smart Material for Water Purification' in Smart Materials for Waste Water Applications, Chapter 13, pp. 335–346, Wiley-Scrivener Publisher, USA, ISBN - 9781119041184, **APS2016BC001**.

#### Journals

##### International

- ❑ **Sandeep Kumar Mogha**, Shiv Prasad Yadav and Sukh Pal Singh (2016) 'Estimating Technical Efficiency of Public Sector Hospitals of Uttarakh and (India)', International Journal of Operational Research, Vol. 25, No. 3, pp. 371-399, **APS2016J006**.
- ❑ **Anil Kumar Yadav**, **Sunanda Vashisth**, **Hukum Singh** and **Kehar Singh** (2015) 'An Asymmetric Cryptography System For Water marking Of Phase-Images Using Gyator Transform', Asian Journal of Physics, Vol. 24, No. 12, pp. 1611-1624, **APS2016J007**.
- ❑ K Thyagarajan and **Ruchi Gupta** (2016) 'Coherent Tunnelling Adiabatic Passage In Optical Fibres Using Superimposed Long-Period Fiber Gratings', Journal of Modern Optics, **APS2016J008**.
- ❑ Swati Arya and **Neeti Kashyap** (2016) 'QOS Based Routing Protocols- A Review', International Journal of Computer Science Engineering and Information Technology Research, Vol. 6, No.1, pp. 87-94, **CSE2016J005**.
- ❑ Payal and **Jyotsna Singh** (2015) 'Patterns of Calcium Signaling based on HH Model', International Journal of Engineering Research & Technology, Vol.4, No. 12, pp. 660-663, **CSE2016J006**.
- ❑ **Kusum Dangi** and **Supriya P Panda** (2016) 'Networking Aspects of Wireless Body Area', Advances in Computer Science and Information Technology, Vol. 3, No. 1, pp. 33-36, **ECE2016J001**.
- ❑ **Anjali Garg**, Kanwar Singh Sandhu and Lalit Mohan Saini (2016) 'Design and Implementation of Fuzzy Logic Controller for Static Switching Control of Voltage Generated in Self-Excited Induction Generator', Energy Systems Optimization, Modeling, Simulation, and Economic Aspects, Vol. 6, No. 1, pp. 1-17, **ECE2016J002**.
- ❑ **Arvind P Bhanu** and Ramesh Kumar Chhabra (2015) 'Right To Safe Travel for Women: A Human Right Prespective', Research Expo International Multidisciplinary Research Journal, Vol. 5, No. 12, pp. 96-103, **SOL2016J001**.

- ❑ Neeta Sharma and **Prem Vrat** (2016) 'Resource Wastage Due to Stock Induced Consumption Phenomenon: A Case Study of Water Supply System in a Cluster of Residences', Industrial Engineering Journal, Vol. IX, No. 2, pp. 15-21, **SOM2016J002**.
- ❑ **Saumya Dixit** and Anant Jyoti Badgaiyan (2016) 'Towards an Improved Understanding of Reverse Logistic: Examining Mediating Role of Return Intention', Resources, Conservation and Recycling, Vol. 107, pp. 115-128, **SOM2016J003**.
- ❑ **Prem Vrat** (2016) 'Strategic trigger to facilitate manufacturing excellence for success of 'Make in India' vision', RITES Journal, Vol. 18, No. 1, pp. 11.1-11.12, **SOM2016J004**.

#### National

- ❑ **Ritu Gupta** (2015) 'On Regulation of Celebrity Endorsing the Brands in India', NLU Law Review, Vol. 1, No. 1, pp. 125 - 138, **SOL2016J002**.

#### Conference Proceedings

##### International

- ❑ Pranay Bhardwaj, Ramnik Ahuja, **Kusum Grewal Dangi** and **Charu Rana** (2016) 'Analysis and Statistical Verification of Relation of Call Drop Rate and Handover Behavior to the User Density', Second International Conference on Computational Intelligence & Communication Technology, pp. 484-488, **ECE2016P003**.

#### Conference Presentations

##### International

- ❑ **Dipti Vaya** (2016) 'Development of polyurethane coating for protection of building to high velocity projectiles', International Conference on Materials Science & Technology, Delhi University, **APS2016C002**.
- ❑ **Payal Khurana** (2016) 'Dystopia Vs Utopia: Realistic Picture of Contemporary Human Society', Towards Praxis: Literature, Society and Politics, MELUS-India / MELOW and GGSIP University, New Delhi, **CLL2016C003**.

#### Summer Faculty Research Fellow Programme at IIT Delhi (2016)

IIT Delhi is inviting faculty fellows from Engineering Colleges, Science and Management Institutes in India to come and spend summer (during May - July 2016) for doing research work under the Summer Faculty Research Fellow Programme at IIT Delhi. Interested Faculty may apply for the Summer Faculty Research Fellow Programme at IIT Delhi. Please refer to ncuweblink for details:

<http://www.ncuindia.edu/images/research/Announcements/IIT%20CEP%204.02.2016.pdf>

#### Call for Fulbright-Nehru Fellowships (2017-18)

USIEF has announced its annual competition for Fulbright Nehru and other Fulbright fellowships for Indian citizens for the academic year 2017-18. Open to students, faculty and professionals, Fulbright-Nehru fellowships are being offered in various fields. The last date for application is 15 June 2016. Please refer to NCU weblink for details: [http://www.ncuindia.edu/images/research/Announcements/Call%20for%20Fulbright-Nehru%20Fellowships%20\(2017-18\).pdf](http://www.ncuindia.edu/images/research/Announcements/Call%20for%20Fulbright-Nehru%20Fellowships%20(2017-18).pdf)

## Student Activities

- Pranav Jain, student of 3rd year Computer Science was invited to Rashtrapati Bhavan on 19 March 2016 for a day long Hackathon for Social Innovation. He was one of the 95 selected participants across all age groups selected throughout the nation. The participants were personally mentored by Honourable President of India, Shri Pranab Mukherjee and other industry leaders. Pranav's team project works on the app, 'Monitoring of Loos in public places' which helps in keeping the toilets clean by use of smart sensors and lists all the nearby toilets in an area. The project has been selected by Chairman of New Delhi Municipal Council for implementation across the capital region.

Pranav has also been selected to receive the scholarship by Tata Trusts & Google India for the Udacity Android Developer Nanodegree programme.

Well done Pranav!



Pranav Jain (4th from left) along with other participants and Hon'ble President of India

- IIIT Delhi, in collaboration with THE NORTHCAP UNIVERSITY, IGDTUW, IIIT and Thapar University has started an Mtech Infosec group to bring researchers and techno crafts to a common gathering to exchange and share the recent developments in different fields of research and to make this accessible to all. On 19 March 2016, students from our University attended and actively participated in the session at IIIT Delhi which provided them with the details of the real world practices and future requirements of industry so that they can gear up and work in right direction.



- With an aim to inspire and impart research training and skills to PG students, Dr Arvind P Bhanu, School of Law, has guided Ms Pushti Gupta to write a Research Paper entitled 'A critical study of surrogacy in perspective of human rights'. She did notable research

in the area of surrogacy laws and presented the research paper in National Seminar on Science of Surrogacy and Prospect of Proposed Law in India, organized by Indian Society of International Law (ISIL), Delhi on 19 March 2016.



## Sports

- The Volleyball team of the University participated in the Inter-College Sports Fest, Triquetra 2016 organized by Netaji Subhas Institute of Technology NSIT, Delhi from 25-27 March 2016. The NCU team secured second position in the competition.
- Shubham Jain, student of BTech CSE participated in Table Tennis tournament during the inter-collegiate festival Converge organized by IIIT Noida from 5-6 March 2016. Shubham bagged the runner-up position in the tournament.
- The Judo Club of the University, under guidance of Ms Gurusikha Kundu, conducted training classes for the registered students. Ms Kundu and Ms Sunil Malik demonstrated the basic principles of Judo and trained the students on stance, gripping, moment pattern, and other techniques. The students were also taught off-balance and defence skills.



## Obituary



**Md Safiuddin**  
Security Officer  
(1948-2016)



**Mr Rohtash**  
KSB Staff  
(1974-2016)



**Pranshu Pandey**  
Student, BTech EEE  
(1995-2016)

We pray for their souls to rest in peace and give strength to their family members to bear their irreparable lose.

## Outreach Activities of Prof. Prem Vrat Pro-Chancellor, Professor of Eminence and Chief Mentor



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

- ❑ Prof. Prem Vrat was invited as Chief Guest in a Street Play Competition on 'Women Empowerment and Gender Equality' at Mothers Pride School, Dwarka, organized by Brahma Kumaris, Gurgaon Centre, on 1 March 2016.
- ❑ As an Independent Director at Air India, Prof. Prem Vrat attended the 71st Board Meeting of the Air India on 4 March 2016 and the 72nd Board Meeting of the Air India on 29 March 2016.
- ❑ Prof. Prem Vrat was invited as Chief Guest at Peace Palace, the Palam Vihar Centre of Brahma Kumaris on 7 March 2016 on Maha Shiv Ratri day. He participated in the flag hoisting ceremony during the event.
- ❑ Prof. Prem Vrat chaired the Meeting of Internal Screening Committee (Main) for Scientist 'F' for promotion of Scientist 'G' at Recruitment and Assessment Centre (RAC), Defence Research and Development Organisation (DRDO), Hyderabad on 9-10 March 2016 and at RAC, DRDO Timarpur, New Delhi on 12 March 2016.
- Prof. Prem Vrat attended the 3rd World Summit on Accreditation (WOSA-2016) on the theme of 'Quality Assurance through Outcome Based Accreditation' organized by National Board of Accreditation (NBA) at The Leela Ambience Hotel, Gurgaon during 18-20 March 2016.
- ❑ Prof. Prem Vrat was invited as the Guest of Honour on the 12th anniversary celebration of Shri Shakuntla Singh Memorial Rita Kumar Foundation, organized by Excelsior American School, Gurgaon on 19 March 2016. In the function, Rao Inderjit Singh, Minister of State Independent Charge of the Ministry of Planning and Minister of State in Ministry of Defence was the Chief Guest and Lt Col Rajya Vardhan Singh Rathore (Retd.), Minister of State, Ministry of Information and Broadcasting was the Special Guest of Honour.
- ❑ Prof. Prem Vrat was invited to preside over a discussion-cum-seminar on the burning topic 'Freedom of Expression and our

Responsibility', held on 20 March 2016 at CCA School, Gurgaon. The function was arranged under the auspices of a well-known literary organization 'Suruchi Sahitya Kala Parivar Samiti Gurgaon'. The learned speakers were Prof. Nirmala Jain of University of Delhi, Dr Sanjay Dubey, Director of Human Rights Commission, Government of India, New Delhi and Mr Sudhir Chaudhary, Editor of ZEE News, New Delhi. Prof. Vrat was also honoured by the organization for his outstanding services in the field of higher education, research and administration.

- ❑ Prof. Prem Vrat delivered a lecture on 'Operations Planning and Control' at IIT Delhi on 27 March 2016 as an Honorary Professor of IIT Delhi.
- ❑ Prof. Prem Vrat attended the 10th National Research Conference on 'Integrating Technology in Management Education' as a distinguished speaker at AIMA, New Delhi on 28 March 2016. During the conference Prof. Vrat also delivered the presentation on the title of 'New Learning Ethos & Impact of Internet and Social Media on Learning Culture in a Management School'.
- ❑ Prof. Prem Vrat attended the 60th Annual General Body Meeting of India International Centre at IIC, New Delhi on 3 March 2016.

## Outreach Activities of Brig. SK Sharma (Retd.) Pro-Vice Chancellor & Senior Professor



**Brig. SK Sharma**  
Pro Vice-Chancellor  
and Senior Professor

- ❑ Brig. SK Sharma (Retd.) attended the 3rd World Summit on Accreditation (WOSA-2016), organized by National Board of Accreditation (NBA) on 19 March 2016 at The Leela Ambience Hotel, Gurgaon on the theme 'Quality Assurance Through Outcome Based Accreditation'. Eminent speakers from industry, corporate and academia from India and overseas facilitated a free discussion on subjects of concern, including 'best practices' in accreditation and means to improve quality of education.
- ❑ Brig. SK Sharma (Retd.) attended the award ceremony of Startup Programme under Happening Haryana Global Investors submitted 2016, held at The Leela Ambience Hotel, Gurgaon on 8 March 2016.

