

# Newsletter

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## THE NORTHCAP UNIVERSITY

(For internal circulation only)

### NCU Activities

#### IIIE confers Lifetime Achievement Award on Prof. Prem Vrat



**Prof. Prem Vrat**  
Pro-Chancellor,  
Professor of Eminence &  
Chief Mentor, The NorthCap  
University, Gurugram

With immense pride, we wish to inform you that the Indian Institute of Industrial Engineering (IIIE), New Delhi, announced the Lifetime Achievement Award to Prof. Prem Vrat, Pro-Chancellor. The award has been announced in recognition of Prof. Prem Vrat's admirable contribution in the field of Industrial Engineering. He carries a legacy of numerous awards and recognitions including Lifetime Achievement Award by IIT Roorkee, Uttaranchal Ratan Award, Lillian Gilbreth Award, SSI Gold Medal and many more.

The Lifetime Achievement Award will be conferred on Prof. Prem Vrat during the inaugural award function at IIIE's 59th National Convention at Aurangabad, Maharashtra on 14 September 2017.

The University congratulates Prof. Prem Vrat on this commendable achievement.

#### Initiation of MoU with Deakin University, Australia



Representatives from Deakin University, an Australian State University ranked by Quacquarelli Symonds (QS) amongst the top 2% of the Universities of the World, visited The NorthCap University, Gurugram on 26 July 2017 and met the Pro VC, Director SOET, Dean SOM and Dean

Academics. Deakin University identified NCU as a potential partner in India, amongst other ongoing partnerships with premier institutions.

The purpose of the visit was to explore possibilities of collaboration between the two Universities on various offerings such as Deakin Interactive Week, Higher Education opportunities, Scholarships for meritorious students, Workshops by Deakin academics, Semester Abroad Programme etc.

The process of collaboration is being followed up by the Director, SOET and Dean, SOM.

#### NCU students win 2<sup>nd</sup> Prize in an international event in China

NCU students competed in a global environment and won the 2<sup>nd</sup> Prize, the 'Excellence Award' in the Delta Cup 2017 held at Wujiang, Suzhou City, China, held from 23-26 July 2017. The NorthCap University's (NCU) project titled 'Self-Check-out System in Retail' is based on Smart Machines, Smart Robots and Smart Manufacturing using Delta Electronics components. The design is highly applicable for use in malls around the globe with a capacity to save shoppers time and increased sales.



NCU's Team 'TVN' comprising of Tanyam Popli, Vibhor Mittal and Shivam Nautiyal (ME) were guided by Prof. Ravindra Ojha, Director, School of Engineering & Technology and Dr Shiv Manjaree Gopaliya, Assistant Professor, Department of Mechanical Engineering. The team was highly appreciated by the expert panel, particularly for their concept, design and technical knowledge about the system. Team TVN received a trophy

along with a cash prize worth 2000 RMB, apart from 300 RMB for securing a place in the Top 10 in online voting.

More than 75 Asian teams from China, Taiwan, India and Thailand competed and this was the first time when India participated for the 'Delta Cup' with NCU's TVN being selected pan India for this prestigious competition.

## 'Making Education Relevant' discussed by eminent academics

A panel discussion was held by EDU TV on the topic 'Making Education Relevant' on 3 July 2017. The distinguished panellists included Prof. Prem Vrat, Pro-Chancellor, The NorthCap University, Gurugram; Prof. Kamlesh Mishra, VC Ansal University, Gurugram and Prof. Suniti Sen Gupta, Dean FMS, University of Delhi. The session was moderated by Mr Shashank Vira.

The panellists emphasized on the need to improve the quality of faculty and research and to make education more relevant. Role models for universities such as Nalanda University were recalled and it was felt that great universities have outstanding faculty, liberal funding, freedom and flexibility. The role of human values in education in addition to knowledge and skills was stressed.

Another panel discussion was organized on the topic 'Transition from School to Universities' by EDU TV at DPS, Sector-45, Gurugram on 17 July 2017. Eminent panellists included Prof. Prem Vrat, Pro-Chancellor, NCU; Prof. PB Sharma, VC Amity University, Gurugram; Prof. Kamlesh Mishra, VC Ansal University and Prof. Satyanarayan, VC, BML Munjal University, Gurugram. The session was moderated by Dr Vinnie Jauhri, Microsoft. Students of DPS interacted with the panellists and participated actively.

To make education more relevant the panellists were of the view that it should be multi-disciplinary, less structured, more flexible and participating in which the role of the faculty should be to inspire, involve and transform students to become better persons and more employable.

## NCU emphasizes importance of aligning engineering education with business needs



**Brig. SK Sharma**  
Pro Vice-Chancellor,  
NCU, Gurugram

In an exclusive interview of eminent 'Visionary Leaders' conducted by CSR-GHRDC published under the title 'In conversation with the Beacons of Engineering Education' in their Special issue in July 2017, Pro Vice-Chancellor, Brig. SK Sharma (Retd.) offered his insights and perspectives on how Engineering education can be made more effective and relevant to the 21<sup>st</sup> century. He shared his views on how it can be made more innovative, flexible and responsive and aligning engineering education with

business needs of today's global market.

He stressed on the importance of acquiring soft skills in engineering education as an engineer today does not work in a vacuum but in a multidisciplinary team. He highlighted the initiatives taken by NCU by running courses to develop Communication Skills, Personality Development, Human Values and Ethics. He emphasized on the importance of extra-curricular activities and student led clubs that hone talents, encourage leadership and build teamwork skills of students.

## Fresh Batch Orientation Programme - 2017

The University conducted the Orientation Programme for the new batch of students admitted to all the three Schools on 22 July 2017. The event was graced by the presence of the Pro-Chancellor, Prof. Prem Vrat; the Pro Vice-Chancellor, Brig. SK Sharma (Retd); Registrar, Col Bikram Mohanty (Retd), Directors of Schools, Heads of Departments along with faculty members and staff of the University. The programme started with lamp lighting and Saraswati Vandana. After the welcome address by Dr Payal Khurana, Prof. Prem Vrat addressed the students



and motivated them about the importance of education and hard work. Brig Sharma talked about student activities at NCU, the infrastructure and facilities offered by the University. Col Mohanty briefed the students about discipline and anti-ragging measures. The briefing to the students continued with examinations, evaluation/grading system, placements, psychological counselling etc. by respective Functional Heads.

Later, the Departments guided the students to the various facilities in the University and Departments. The students familiarized themselves with the University by a walkthrough.

It was a day of excitement for the new students as they entered the world of higher learning. Expectedly, the students had mixed emotions of anxiety, with lots of excitement and expectations. The University warmly welcomes the fresh batch of students and wishes them all the best during their stay at the University.

The event was coordinated by Dr Kalika Srivastava, Dept of APS, Dr Divyabha Vashisth, CLL and Ms Kiran Mrig.

## The NorthCap University continues its Zero Tolerance Policy towards Ragging



The University held its Anti-Ragging Committee meeting on 20 Jul 2017 under the Chairmanship of the Vice-Chancellor, Brig S K Sharma (Retd). The Committee had a wide representation with members from the University's Administration, Faculty, Hostel Wardens, Local Police Station, Parents, members from the Press and local NGOs. The VC

congratulated all the members present on the unblemished record of zero incident of ragging since its inception and reiterated the University's resolve to remain free from the ugly menace of ragging. He informed all members that Anti Ragging squads from amongst Faculty, Administration and Technical staff members had been constituted and duly briefed on what constitutes ragging, with a vigil to be mounted to ensure meticulous implementation of anti-ragging measures and redressal mechanism in case the need arises.

The Vice-Chancellor, Brig S K Sharma (Retd) informed the members that Student Anti-Ragging Counsellors from across all Programmes at the University had been appointed to help act as an interface between the freshers and existing students and ensure no harassment is meted to them. The local Police representative was requested to depute a beat constable especially in the evening after classes to obviate any scope of indulgence in ragging by senior students.

## Rotation of HODs/Academic Heads

In furtherance to the policy of rotation of Heads/Academic Heads so as to create a continued talent pool of recognizing their leadership quality, the University has appointed Dr Kavita Khanna, Associate Professor as the Head, Department of CSE&IT and Dr Sharda Vashisth, Associate Professor as the Associate Head, Department of EECE, since 21 July 2017. We wish the incumbents all success and thank the outgoing academicians for their contribution.

## NCU Alumnus scripts a professional success story



**M**r Jayant Jawa, Information Technology, NCU (formerly ITM University, Gurgaon) Class of 2002, followed by Huthwaite University, is Sales and Marketing Manager for Daikin Middle East and Africa and Strategic Planner at Daikin Industries Ltd and is based out of UAE. Mr Jayant visited NCU on 13 July 2017 and had a meeting with the Pro Vice-Chancellor, Brig. SK Sharma (Retd), Prof. Ravindra

Ojha, Director, SOET and Head, Dept of CSE&IT.

Mr Jayant briefed about the world-class training centre that M/s Daikin has set up in Neemrana, Rajasthan which is helpful in the development of faculty and students of colleges and universities in India. He also mentioned that Daikin has big plans to grow in India and is exploring the possibility of supporting universities in training and skill-development by setting up World-class COE (Centres of Excellence). NCU expressed its interest of establishing such a Centre and is exploring possibilities of collaboration with M/s Deakin.

Mr Jayant Jawa plans to visit the University again in October 2017 to interact with students and share his experiences with current students.

## PhD Viva-Voce

The PhD Viva-Voce of Ms Anju Bala, PhD scholar, Department of Civil & Environmental Engineering on the topic 'Estimation of Evapotranspiration through surface energy balance model using satellite data' was held on 10 July 2017. It was conducted under the guidance of Dr Anil Kumar Misra and Dr Amit Srivastava, Department of CEE. The event was attended by a large number of faculty members and research scholars.

## News from the School of Engineering and Technology

### Department of EECE

#### Student Speak



**Mr Himanshu Sharma**  
MTech VLSI  
(Class of 2017)  
Application Consultant (I) in SNPS  
Salary Package: Rs 12 LPA

*"Being a part of MTech programme in (VLSI) NCU, has been a life changing event for me. Under the guidance of faculties such as Neeraj Shukla, Charu Rana and Vandana Khanna, the dream of being in VLSI industries has come true. What is most appreciable about the faculties here is they are motivators, enablers to new technical skills and supportive. Dr. Neeraj Shukla is gem of VLSI skills and helps his students as much as he can. The labs here are occupied with all the latest Cadence tools which has enabled me to do practical work and learn. Every quarter there were Industrial meets in which engineers from the VLSI companies came and shared their experiences and enlightened us on important technical issues. The most important part of the Programme were the presentations on varied topics each week. I myself got opportunities to present PPTs on assigned topics, which helped me to overcome my hesitation to speak publicly. So my advice is - **Join the MTech programme here at NCU and change your professional life.** Once again thank you Neeraj Sir and all the faculties of NCU for your great support and technical guidance. Thanks NCU.*

#### Mr Shivam Garg joins Mentor Graphics



**Mr Shivam Garg**  
BTech EECE  
(Class of 2016)  
Salary Package: Rs 11 LPA  
in Mentor Graphics

### Department of CSE and IT

#### Orientation Programme for Students

The Department organised an orientation programme for 1<sup>st</sup> Year BTech (CSE) students on 22 July 2017. Dr Kavita Khanna, Head, Dept of CSE&IT gave the students a brief overview of the Department. The faculty members informed the students about various clubs and other activities in which they could participate in the Department. The students were taken on a round of the campus and they were really excited to start their new journey in the Department. The event was coordinated by Ms Sumanlata Gautam and Ms Geetika Munjal with the support of all the CSE&IT faculty members and technical staff.

#### Student Projects

Five students of 3<sup>rd</sup> Year BTech worked on real-time projects with Universal Technical System Pvt Ltd (UTS). They successfully completed modules of products and presented their work on 14 July 2017 in the presence of industry experts from UTS, Pro Vice-Chancellor, Brig. SK Sharma (Retd), DSOET, Prof Ravindra Ojha, Head, Dept of CSE and

other CSE faculty. Members appreciated the work of the students which was highly motivating for them. This initiative was taken up by Dr Supriya Raheja.



### Industrial Visits

- ❑ Ms Rita Chhikara visited National Informatics Centre, Electronics Niketan, NIC, MMTC Ltd, India Meteorological Department and World Wildlife Fund. [CSE2017IV001]
- ❑ Ms Garima Sharma visited DEN Networks, Okhla, Caretel Infotech Ltd, Naraina, CBSL Group and Dignitas Digital on 14 July 2017. [CSE2017IV002]
- ❑ Dr Kavita Khanna visited Nokia Solutions and Networks India Pvt Ltd and DSM Sinochem Pharmaceuticals to take a feedback of students who were doing internship and had a healthy discussion about the latest technologies they were working upon and to extend Nokia-NCU association for the long term. [CSE2017IV003]
- ❑ Dr Charan Kumari visited ASVISERLogic, Gurugram, DAN Electronics Pvt Ltd, Gurugram and Anlight Consulting, Welldone Tech Park, Gurugram on 14 July 2017. [CSE2017IV004]
- ❑ Ms Geetika visited Mando for internship feedback and had a discussion with Ms Shweta Goel on 13 July 2017. [CSE2017IV005]



- ❑ Ms Jyotika Pruthi and Ms Richa Chhabra visited Airtel and Incuspaze on 23 June 2017 and met Mr Yashraj Bhardwaj and discussed about the progress of the students and the website that

was developed by the students for the Company. The work of the students was well appreciated. [CSE2017IV006].

### Faculty Activities

- ❑ Ms Jagdeep Kaur received a Certificate of Recognition for Outstanding Service in the Technical Programme Committee of Springer's International Conference on Information, Communication and Computing Technology (ICICCT-2017) held at JIMS New Delhi.
- ❑ Ms Jyotika Pruthi's poem 'Letter from daughter to divorced parents' was published by the online portal 'The Uncommon Box' with an outreach of 10,000 viewers.

### New Faculty Member

- ❑ Ms Priyanka Rastogi joined the Department as Assistant Professor. We welcome her to the Department.

## Department of Civil and Environmental Engineering

### Industrial Visits

- ❑ Mr Shubham Bansal and Mr Akx Malik visited Rajiv Chowk, Gurugram on 4 July 2017 where Gawar Construction is undertaking the NHA1 project. [CEE2016V004]
- ❑ A team of faculty members visited Skyway Infra Pvt Ltd. which is constructing a 50 MLD Sewage Treatment Plant at village Dhanwapur in Gurugram. [CEE2016V005]
- ❑ Ms Purnima Bajpai and Ms Megha Kalra visited the Central Soil and Material Research Station, New Delhi, where two students Neev Bathla and Kartik of Final year CE are interning. They visited the Indira Gandhi Hospital construction project site, undertaken by L&T and PWD at Dwarka. The team also visited The Engineers India Ltd office at Bhikaji Cama Place, New Delhi. [CEE2016V006]
- ❑ Ms Purnima Bajpai and Mr Shubham Bansal visited RITES Ltd, Gurugram. They also visited the DLF Crest site located in Sector 54 and the DLF Leighton project in Sector 64 Gurugram where two students Vishwajeet and Ashish were working. The faculty also visited three sites/offices on 11 July 2017 viz., GMR Ltd, Udhana Bhawan, IGI Airport where one student, Anushree has been working; BJP Head Quarters being constructed by L&T Infrastructure, Deen Dayal Upadhyay Marg, New Delhi; Tata Housing project in CP, New Delhi where Aneesha has been working, directly associated with Mr Ciby James, ASQ Northern Head, on a paid internship. [CEE2016V007]
- ❑ Mr Akx Malik and Mr Lokesh Chaudhary visited NHA1 at Udyog Vihar Gurugram; office of Millennium Engineers & Contractors, Gurugram and DLF at sector 42-43 metro station, Gurugram. Faculties met Mr Alam, Assistant Project Manager of the DLF team working at the project for diversion of drainage systems. [CEE2016V008]

### Staff Development Programme

The Department of CEE organized a two day Staff Development Programme (SDP) on skill enhancement of technical staff from 13-14 July 2017. A session on Soil Testing was conducted in the Soil Mechanics lab by Mr Lokesh Choudhary, Assistant Professor. Tests such as water content determination, specific gravity, grain size distribution, compaction test etc. were discussed. Another session was organized on cement testing and its practical applications by Ms Megha Kalra wherein she

explained the type of cement and its applications. Various test procedures were explained as per the Indian Standards and tests like consistency, initial and final setting time, specific gravity and shrinkage were carried out by the staff.

Ms Purnima Bajpai conducted a training session which involved the testing of coarse aggregates. She explained some of the significant tests of aggregate like impact test, sieve analysis and abrasion test. In the Transportation Engineering Lab Mr Shubham Bansal provided a hands-on training on Bitumen Tests and explained its underlying theory. The apparatus, procedure and practical application of Penetration Test, Ductility Test and Softening Point Test were explained and tests were conducted by lab technicians on VG-40 bitumen, for practical exposure. [CEE2017O015]

### Faculty Activities

- Ms Purnima Bajpai attended a one day conference on Power Transmission and Distribution (T&D) organized by the Ministry of Power in New Delhi on 12 July 2017. The session was chaired by Mr Vishal Kapoor, Director, Ministry of Power, GOI and Mr Ashok Kumar Rajput, Chief Engineer, Central Electricity Authority. The conference was an excellent platform for getting information on latest trends in the Industry and also for networking with industry experts ranging from the Ministry to the Private sector. [CEE2017CA004]
- Mr Shubham Bansal attended the 'National Roads & Highways Summit 2017' on 6 July 2017 at PHD Chamber of Commerce and Industry, New Delhi. Mr Sanjiv Nair, IAS, Director General, NECTAR, GOI enlightened the distinguished guests about the MoU signed by NHA with ISRO and NECTAR for the use of spatial technology for monitoring and managing National Highways. The summit also resulted in networking sessions. [CEE2017CA005]
- Mr Akx Malik was enrolled as a member of Young Leaders Program to be held at Ambedkar University, Delhi [CEE2017O016]



### New Faculty

Mr Diptendu Roy has joined as an Assistant Professor in the Dept. of CEE. We welcome him to the Department.

## Department of Mechanical Engineering

### Workshop

- Society of Automotive Engineers in association with the International Center for Automotive Technologies organized the 'Efficycle' workshop on 8 July 2017 at NCU. Coordinators of the workshop were Dr Ashwini Sharma and Mr Gagan Baradia. (MED2017WO003)



- Society of Automotive Engineers (SAE) in association with the International Center for Automotive Technologies (iCAT) organized the 'Efficycle' workshop on 8 July 2017 at NCU. Concepts used in research projects, regulations for the Efficycle competition and events to be considered for developing the project vehicle were discussed. A possibility for internships, placements and conferences was explored with iCAT. The coordinator of the workshop was Dr Ashwini Sharma. (MED2017WO003)

### Industrial Interaction

- Mr Manoj Kr Gopaliya visited Maruti-Suzuki, Gurugram and their Manesar plant on 13 July 2017 to review the progress of industrial training of BTech ME 6<sup>th</sup> Sem students. He also met Mr Saravanan G, Manager-Engine Design & Development, Gurugram Plant and Ms Richa Chitkaria, Dy Manager-Plant Control, Manesar Plant during the visit. (MED2017V012)
- Mr Gagan Baradia and Mr Jagpravesh Dahiya visited Talbros Automotive Components Ltd, Faridabad on 5 July 2017 to review the internship progress of BTech students. They also discussed about future internship and project opportunities with the HR Head of the company. (MED2017V013)
- Mr Anuj Kr Jain visited RICO Auto Industries, Gurugram on 17 July 2017 to review the progress of industrial training of BTech, ME 6<sup>th</sup> Sem students. He also discussed future internship and live industrial project opportunities with the Manager-HR, Mr Sandeep Mohan. (MED2017V014)



### Faculty Activity

As the North Zone In charge, Dr Ashwini Sharma along with the Imperial Society of Innovative Engineers hosted the 'e-mobility expert talk' at IIT Delhi on 8 July 2017. The event witnessed the launch of ESVC-18 which is Asia's biggest Electric Solar Vehicle Challenge. (MED2017O011)

### New Faculty

Mr Arjyayoti Goswami and Dr Vikas Sharma, joined the Dept as Assistant Professors (Sel Grade) and Ms Akanksha Mathur joined as Assistant Professor (Sr Scale). We welcome them to the Department.

## Department of Applied Sciences

### Faculty Activities

- Dr Hukum Singh, Associate Professor will present a research paper in the 24<sup>th</sup> Congress of the International Commission of Optics (ICO-24) to be held from 21-25 August 2017 in Japan, Tokyo. It is one of the most important scientific and technical meetings on Optics and Photonics around the world, where many renowned Nobel laureates will present their



research work. Dr Hukum Singh is being sponsored by the International Commission of Optics (Japan) and DST (SERB, New Delhi).

- Dr Seema Thakran attended a conference to honour Prof. Rajendra Bhatia, on his retirement, for his important contributions to mathematics at the Indian Statistical Institute, Delhi Centre from 30-31 May 2017. Since Prof. Bhatia's work has been in diverse domains the conference also had a mix of operator theory, complex geometry, quantum computation, mathematical physics and many other branches of mathematics which have benefitted from his work.

## News from the School of Management

### Invited talk



Mr Peter de Jager, a world renowned speaker, orator and management consultant from Ontario, Canada gave an invited talk to the School of Management on 25 July 2017 at the University auditorium on the topic 'Problem Solving'.

"Problems don't get solved until someone owns up and says it is a problem and finds a solution" was the opening of the interesting talk. For one to solve a problem, right conditions must be set up first to implement a solution. You become a problem solver if you know how your brain works. Humans are generally not good at processes. So understanding problems in their true raw nature is how it all starts. You understand the 'givens' then ask yourself, 'what do I want to do with them' and 'to what end'. Get an understanding and agreement of what the problem is. This step when done with attention solves half the problem itself. What 'operators' do you use for the 'givens' to solve which 'problem' are the steps towards getting an understanding of the problem to be solved and agreement with it.

During the course of his lecture, Mr Jager illustrated the different ways of how the brain processes a problem situation with examples. He concluded his lecture by saying that problems often arise out of our own perceptions and desires. It helps to be watchful of how we think.

The students appreciated the highly interactive session and looked to more such invited talks in the future. [SOM2017G002]

### New Faculty

Dr Sonali Yadav joined SOM as Assistant Professor (Sel Grade). Dr Shelly Singhal, Dr Deergha Sharma and Dr Preeti Chawla joined SOM as Assistant Professors (Sr Scale). We welcome them to School of Management.

## News from the School of Law

### Faculty Activity

At the launch of the 100<sup>th</sup> issue of 'Careers 360' magazine, Ms Shabana Shabnam, Assistant Professor represented NCU's School of Law on 14 July 2017 at New Delhi. Mr Amitabh Kant, CEO, NITI Aayog released the special issue along with White Papers on different domains such as Universities, Engineering, B-School, Legal Education and Medicine. Mr Kant delivered the keynote address followed by a panel discussion on 'The future of Higher Education in India' by eminent academicians. (SOL2017O006)

### New Faculty

Ms Deborisha Dutta joined as Assistant Professor in the School of Law. We welcome her to SOL.

## Library

Ministry of Human Resource Development under its National Mission on education through ICT has initiated a pilot project 'National Digital Library' (NDL) which provides a framework of virtual repository of learning resources with a single window search facility. NDL has been designed to benefit all kinds of users like students (of all levels), teachers, researchers, professionals etc. This virtual repository of learning resources hosts contents from multiple subject domains like Technology, Computer Science, Languages, Mathematics, Physics, Literature, Research and others.

NDL includes more than 95000 + thesis by researchers from different Indian universities, more than 262 Audio lectures in English, more than 18000+ Video lectures from 11 sources, more than 33000+ Question Papers from 23 sources and many others like law judgments, web courses etc. Information can be personalized based on the education level, choice of language, difficulty level, media of content and such other factors. This is thus like 'customized service' provided in a 24x7 integrated environment where learners can find out the right resource with least effort and in minimum time.

It is pleasure to announce that The NorthCap University, has got access to explore the e-resources available in the National Digital Library of India. The NDL system is accessible to all users for general browsing. However, one needs to register with a user id and password and login using those for accessing some classified materials.

Users can access the National Digital Library - <https://ndl.iitkgp.ac.in/>

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

A healthy and sustained corporate linkage is a vital indicator of the overall grooming and job placement of students. The School of Professional Attachment (SPA) has been constantly and vigorously moving forward to establish such professional linkages with



the corporate world which includes MNCs, Indian corporates both in the private as well as Government sector, SMEs and good Startups.

SPA has been expanding horizontally to widen the base of hiring companies to ensure adequate opportunities and to protect the interest of the students in case of downsizing of a particular sector. Almost 100 new companies, across various domains and job profiles, have carried out placement drives for the Class of 2017.

During the month, Daikin Air-conditioning India Pvt Ltd. (DAIPL) is a 100% subsidiary of Daikin Industries Ltd, Japan, a global leader in the manufacturing of commercial-use and residential air conditioning systems. The company has carried out an on-campus placement drive at NCU and gave confirmed offers to three BTech Mechanical Engineering students.

Meanwhile placement process has been initiated for the following companies and is under progress:

- Golf Design India • Plasser India • Rivigo • Nagarro
- Cadence • Jaro Education • Raaj Unocal Lubricants Ltd

## Research Papers Published

### Journals

#### International

- Antariksh Anand\*, Yogita Gigras and Anuradha Dhull (2017) 'WIFI Aided Indoor Navigation Versatile Robot', CiiT-International Journal of Artificial Intelligent Systems and Machine Learning, Vol. 9, No. 5, pp. 93-97, CSE2017J036.
- Sandeep Singh\*, Prabha Sharma and Phool Singh (2017) 'Stability of Tumor Growth Under Immunotherapy: A Computational Study', Biophysical Reviews and Letters, Vol. 12, No. 2, pp. 1-17, CSE2017J037.
- Shruti Gupta\* and Jyotsna Singh (2016) 'Effect of Applied Current on Sub-Thalamic neuron', CSI( Computer Society of India) Transaction on ICT (Information and Communication Technology), Vol. 4, No. 2, pp. 183-185, CSE2017J038.
- Sumanlata Gautam\* and Latika Singh (2017) 'Development of Spectro-Temporal Features of Speech in Children', International Journal of Speech Technology, CSE2017J039.
- Jyotsna Singh\*, Phool Singh and Vikas Malik (2017) 'Sensitivity Analysis of Discharge Patterns of Subthalamic Nucleus in the Model of Basal Ganglia in Parkinson Disease', Journal of Integrative Neuroscience, CSE2017J040.
- Suman Bhatia\*, Phool Singh and Prabha Sharma (2017) 'Hodgkin-Huxley Model Based on Ionic Transport in Axoplasmic Fluid', Journal of Integrative Neuroscience, CSE2017J041.
- Amanpreet Kaur and Komal Narang\* (2017) 'An Adaptive Wavelet and Level Dependent Thresholding Using Median filter for Medical Image Compression', International Journal and Magazine of Engineering Technology Management and Research, Vol. 4, No. 5, pp. 406-412, ECE2017J010.
- Shubham Dawra\*, Tushar Khatri, Charu Rana and Pankaj Rakheja (2017) 'Design and Simulation of I2C Master Core', International Journal of Advanced Engineering Research and Applications, Vol. 3, No. 2, pp. 82-85, ECE2017J011.
- Srishty Chauhan\*, Tanmay Madan, Vishruta Makhija, Pankaj Rakheja and Charu Rana (2017) 'Simulation of Communication

Network Using Cisco Packet Tracer', International Journal of Advanced Engineering Research and Applications, Vol. 3, No. 2, pp. 62-66, ECE2017J012.

- Deepti Jangra\* and Amanpreet Kaur (2017) 'Analysis of Channel Capacity for Heterogeneous Network based on Femto Cells using Path Loss Models', International Journal of Advanced Engineering Research and Applications, Vol. 3, No. 2, pp. 67-75, ECE2017J013.
- Anmol Bhatia\*, Gagan Vijay Singh, Anmol Madaan and Akansha Bhatia (2017) 'An Experimental Study to Achieve Minimum Surface Roughness While Machining P20 Tool Steel Using Wire EDM', International Journal of Advance Research and Innovation, Vol. 5, No. 2, pp. 243-246, MED2017J017.
- Aashna Vijay\* and Geetika Munjal (2017) 'Statistical Techniques for Breast Cancer Classification: A Review', International Journal of IT-Based Health Management, Vol. 3, No. 2, pp. 17-22, CSE2017J042.

#### National

- Ruchi Nayyar (2017) 'Effective Social Media Strategies for Academic Institutions', Indian Journal of Computer Science, Vol. 2, No. 3, pp. 7-15, SOM2017J010.

#### Conference Presentation

##### International

- Jyotsna Singh (2016) 'Effect of Intrinsic Parameters on Dynamics of STN Model in Parkinson Disease: A Sensitivity Based Study', SoCTA (Soft Computing: Theories and Applications) 2016, Amity University Jaipur, CSE2017C004.
- Jyotsna Singh (2016) 'Analysis of the Firing Behavior of STN-GPe Network in Parkinson Disease', Second International Conference on Computing and Communication Systems, I3CS-2016, NEHU (North Eastern Hill University) Shillong, CSE2017C005.
- Suman Bhatia\*, Phool Singh and Prabha Sharma (2016) 'Hodgkin Huxley Model Revisited to Incorporate the Physical Parameters Affected by Anesthesia', SoCTA (Soft Computing: Theories and Applications) 2016, Amity University Jaipur, CSE2017C006.

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## Obituary



**Mr VP Sandlas**  
Ex Chief Controller DRDO  
and Mentor, NCU, Dept of EECE  
(1945-2017)



**Manuj Mehta**  
Student, BTech CSE  
(1995-2017)

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

## Student Activity

### BBA-LLB student wins Best Delegate award at MUN 2017



Karan Kataria, 1<sup>st</sup> Year, BBA-LLB won the 'Best Delegate' award at MUN (Model United Nations) 2017 held from 14-16 July 2017 at KR Mangalam World School, Gurugram. Karan represented Shri Mohan Bhagwat of RSS in AIPPM Committee.

## Outreach Activity 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 two day 'National Convention on Digital Initiatives on Higher Education' from 9-10 July 2017 at Vigyan Bhawan, New Delhi. Three major initiatives in Digitally delivered education i.e. SWAYAM, SWAYAM PRABHA and the National Academic Depository (NAD) were launched.

Swayam is a Free Online Education Portal which is currently offering 323 courses and can be accessed at [swayam.gov.in](http://swayam.gov.in). Swayam Prabha is the DTH version of Swayam, delivering

courses through 32 Television Channels. NAD which NCU is adopting from 2017-18 onwards will provide a 'Digital Locker' to each student where all his/her academic records will be held in safety and available for downloading. Students will not have to carry their important documents around.

During the National Convention the Pro Vice-Chancellor delivered a presentation on NCU's Digital Initiatives to the Vice-Chancellors of Private Universities in the presence of the Hon'ble Minister HRD, Chairman UGC and Secretary MHRD. NCU's presentation on Digital Initiatives was one of ten selected Pan India for delivering during the National Convention.

- ❑ Brig SK Sharma (Retd) attended the Annual General Meeting of IIT Kharagpur Alumni Association on 8 July 2017 and was elected Vice-President for a term of 2 years for the Delhi Chapter.

## 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 participated in the SIDBI MDP faculty and participants' get-together at a luncheon at IIT Delhi on 1 July 2017.
- ❑ Prof. Prem Vrat was invited as a Chief Guest in the Faculty Development Programme on 'Human Values and Professional Ethics' organized by Noida

Institute of Engineering & Technology at NIET, Greater Noida Campus on 4 July 2017.

- ❑ Prof. Prem Vrat attended the Annual General Body (AGM) meeting of IIT Kharagpur Alumni Association at IIT Delhi on 8 July 2017.
- ❑ Prof. Prem Vrat was the Chief Guest on the 'Accolades Day' on 15 July 2017 at The Mother International School, New Delhi. He presented awards to outstanding students and faculty and his inspirational speech was highly appreciated by all.

