

# Newsletter



Vol. 95 September 2019

## THE NORTHCAP UNIVERSITY

(For internal circulation only)

### NCU Activities

#### ICCIDS 2019



The Department of Computer Science organized the International Conference on Computational Intelligence and Data Science, ICCIDS 2019 on 6-7th September 2019, in collaboration with Elsevier and University of Dayton, Ohio, USA. The conference was inaugurated by the Chief Guest, Prof. BK Kuthiala, Chairperson Haryana State Higher Education Council, Haryana. 800 submissions were received from reputed universities in various countries out of which only 275 research papers were accepted. The event brought together renowned experts in their respective fields to address the vital areas of Computational Intelligence and Data Science. The keynote speakers were



Prof. Yaw-ling Lin, Distinguished Professor, Department of Computer Science and Information Engineering at Providence University, Taichung, Taiwan and Prof. B K Murthy, Senior Director (Scientist G), Ministry of Electronics and IT (MeitY), Government of India. They highlighted the relevance of big data for businesses and showcased various case studies highlighting the importance of the computational intelligence along with data science in the real time scenarios. As the field matures, it's becoming an operational requirement in day to day lives of individuals. Dr Vijendra Singh and Dr Meghna Sharma were the organizing chairs of this conference. Dr Kavita Khanna, Head of Computer Science Department welcomed the delegates for the successful deliberations in the conference. (CSEO2019051)

#### Teachers Day Celebration 2019



A good teacher can inspire hope, ignite imagination and instill love for 'learning'. The NorthCap University, Gurugram celebrated Teacher's day with great fun and enthusiasm. The assembly began with a mesmerizing traditional dance "Alaripu". This was followed by the welcome address by Pro. Chancellor Prof. Prem Vrat on importance of a teacher in the development of the society, adding to the entourage Vice Chancellor. Prof HB Raghavendra, delivered an inspirational talk on the life of Sarvepalli Radhakrishnan, the second President of India who was a renowned academic philosopher, well-known diplomat, acclaimed scholar, and above all a great teacher.

It was not all, the students of School of Management added favour to the environment with electrifying dance performance, soulful song and staging an emotional skit. The skit highlighted the role of a teacher in shaping the life of a human being. The assemblage was brought to life with exciting games,



followed by awarding the hard working teachers with a token of appreciation on qualities such as punctuality, disciplined etc, which are the most sought after qualities in a teacher. The assembly was followed by a get-together near the main building foyer, where in exciting goodies were distributed. This marked the end of a wonderful day, marking a new beginning for the new year. The event was co-ordinated by Dr Jahanvi Bansal and Dr Priyanka Banerji.

### Engineer's Day 2019



Commemorating life and efforts of one of the greatest Indian Engineer, Bharat Ratna Sir M Visvesvaraya, The NorthCap University celebrated 52nd Engineer's Day with the theme 'Engineering for Change' dated 19 September 2019. Mr Sandeep Handa, Honorary Secretary, IE(I) Faridabad Local Centre, Chief Guest instigated the audience a need of large number of engineers in the coming time. Hon'ble Pro-Chancellor Prof. Prem Vrat and Vice Chancellor Prof. HB Raghavendra in their address to students congratulated all the engineers for their commendable efforts in shaping the anomalies. How important an engineer is, a student's group represented it through a skit.

Engineering for change for good, it develops a balanced growth in the society and to enhance the system one must not forget the contribution of the core branches of engineering says Prof. Prem Vrat, Pro Chancellor, Professor of Eminence, The NorthCap University. (CEE20190051)



### First Annual Innovation Festival

First Annual Innovation Festival of MIC Launch of AICTE Quality Initiatives & VC's meet on Student Induction Programme at AICTE was

organized on 11 September 2019. It was attended by Dr Esha Jain, Faculty member, School of Management. Hon'ble Dr Ramesh Pokhriyal, MHRD Minister chaired the event as a chief guest. The event held the inauguration of innovation exhibition, addresses on MIC and its future initiatives followed by release of SIH report and start-up policy document and launch of SIH 2020, ARIA 2020, IIC 2.0, Pratsahan Mudra Scheme and Vishwakarm Award.

### Village Visit under MHRD SAP Programme

A visit to village Dhundaheera and village Choma was conducted on 21 September 2019 to create awareness among people regarding the sanitation and ODF in the area. Dr Esha Jain from School of Management along with Dr Shatrughan Bhardwaj (Delegate from MHRD) and Arpil Sharma, President, NSS NCU Chapter conducted a visit to both the adopted villages of The NorthCap University and explored markets, chopals, dispensaries, primary health care centres, Anganwadis, and Government schools in the villages to check the ground zero reality of the areas. In addition, Dr Bhardwaj felicitated Dr Swaran Ahuja, Dean Academics, The NorthCap University with a memento as a token of appreciation. A fruitful discussion was also held to discuss the activities that University needs to conduct in the upcoming months for betterment and awareness of the public of both the villages.

### Health Camp

The NorthCap University's commitment towards preventive care and to promote health and hygiene, a free check-up camp for hair & scalp was organized in collaboration with RichFeel on 27 September 2019. It was proceeded with a consultation of students, staff and the faculty members from the experts as to what steps can be taken to improve the health of the hair with respect to diet. It was coordinated by Dr Shilpy Wadhwa, Medical Consultant, The NorthCap University.



### Viva-Voce

Ms Ruchi Gupta defended her PhD thesis on 31 August 2019 on the topic 'Evaluation, Delineation and Remediation of Contaminated Groundwater Resources in Jhajjar District, Haryana, India' working under the guidance of Dr Anil Kumar Misra and Dr Vaishali Sahu. (Reg.12CVD001) (CEE20190048)

## News from the School of Engineering and Technology

### Department of EECE

#### Guest Lecture

Mr Vivek, an Official from Mitsubishi Electric India (MEI) Pvt. Ltd, was invited for a guest lecture dated 19 August 2019 for students of EECE, ME and CSE. He imbued in students a spirit of competition, acting as a push for Mitsubishi Electric Cup 5.0 the session 2020 with the theme 'Visualizing IoT Solutions for Smart Automation' and will be hosted by BMS College of Engineering, Bangalore. Students were motivated enough to proactively participate in the event and give their 100%. It was coordinated by Dr Abhishek Pratap Singh and Dr Shaveta Arora. (ECE2019G007)



### Workshop

- A hands-on workshop on a session to PLC was organized for students from the Department of EECE, CSE and ME by the Department of EECE and ME on 14 August 2019. They were familiarized with the software, interfacing with the hardware, execution and display of output on the instruments provided by Mitsubishi Electric India Pvt Ltd. Dr Anjali Garg, Dr Abhishek Pratap Singh, Mr LN Joshi and Mr Ajay coordinated the event. (ECE2019W0012)



- The Department of EECE and IEEE, Robotics and Automation Society (RAS) organized a Line Following Robot (LFR) workshop on 3 September 2019 for students of the Department of CSE and EECE. Mr Pankaj Rakheja, Faculty, ECE delivered students some insights on the Line Following Robot, how it functions using array, Arduino board, motor driving IC and coding. This session was coordinated by Dr Naresh Kumari and Mr Pankaj Rakheja in esteemed guidance of Dr Sharda Vashisth, HOD, ECE. (ECE2019W0013)



- A workshop was organized by the Power and Energy Society of IEEE on 23 September 2019 titled 'Matlab and Its Applications'. Mr Akhilesh Kumar, an Assistant Manager Technical Support, DesignTech Systems Limited was the guest speaker discussed real-life applications with students. The session was coordinated by Dr Naresh Kumari with student coordinators Aparna Sharma, Vibhuti Dahiya, Arup Parida, Shubham Lamba and Yatharth Piplani. (ECE2019W0014)
- A workshop was organized by the department of EECE and IEEE NCU titled 'Advanced IoT workshop phase II' for students of ECE and CSE on 27 September 2019. The session gave students a practical exposure on IoT, interfacing OLED with NodeMCU, designing Graphical user interface in Blynk app and posting soil moisture sensor data on Blynk app using NodeMCU. Around 15 students attended the workshop from different years and branches. The session was coordinated by IEEE



student members Soumye Kumar, Udita Chauhan and Vatsalaya Upadhyay along with EECE faculty Dr Naresh Kumari and Mr Pankaj Rakheja, Faculty ECE. (ECE2019W0015)

### Expert Lecture

The Department of EECE organized an expert lecture on 'Ace your Interview and profile building' dated 7 August 2019 for the final year students. Ms Shikha Malhotra, a Certified Image Consultant (Conselle Institute of Image Management, USA) and Soft Skills Facilitator and Trainer (Scottish Qualifications Authority) talked about various tips to crack the interviews and how they can improve their resume. The session was coordinated by Dr Rekha Vig and Dr Shaveta Arora, Faculty, ECE. (ECE2019G008)



### Webinar

Dr Shaveta Arora delivered a live webinar on 'Future of Electronics and Communication Engineering' on 7 June 2019. She discussed various facilities available for BTech ECE program in the department of EECE at NCU with some career options after completing BTech in ECE. (ECE2019W0016)

### Faculty Activities

Faculty members and student volunteers from the Department of EECE & ME attended a technical session which was organised by ICAT Manesar on 16 August 2019 to brief the technicalities of the event "AWIM – A World in Motion". The session was held to motivate everyone to participate. The organizing committee includes some of the big industry names like Maruti, IOCL and ICAT on behalf of SAE India. Ms Amanpreet Kaur, Dr Shaveta Arora, Dr Satnam Singh, Mr Shivam Vats, Mr Rahul Malik, Mr Piyush Baweja and Mr Khushal Sharma attended the session. (ECE2019O015)



## Department of CSE

### Industrial Visit

- ❑ The Department organized an industrial visit to WizAR studio based in Gurugram on 30 August 2019. Students were familiarized with the process used to develop AR/VR based products. The opportunity gave students an understanding of the professional environment with the live scenarios. (CSEI2019005)



### Faculty Activities

- ❑ Ms Prerna Singal, Dr Sumanlata Gautam and Ms Monika Yadav, Faculty, CSE attended a conference, organized by Nagarro on Internet of Things dated 4 September 2019. (CSEO2019045)



### Visit

- ❑ Dr Anbu Rathinavel and Mr Ramakrishnan V from School of Design Thinking, Intellect Design Arena Ltd, Chennai visited the Department of Computer Science on 27 August 2019. Ms Jyotika Pruthi presented the course contents of Problem Solving and Design Thinking for their respective feedbacks regarding the course pedagogy. (CSEO2019046)



### Boot Camp

The Department organized a meet-up on Agile Principles entitled as 'Agile BootCamp@Gurugram' on 21 September 2019 with the collaboration of Agile



Network India. Agile Network India (ANI) is a Thought Leadership community and contributes to domains like Organization Improvement, Skill Development, and Innovation. 23 participants including various industry experts attended the event. The event held speakers like Vivek Swarnkar (Agile NCR Corporation), Ushant Rana (Accenture), Shobit Gupta (Guavus) and Rajesh Malhotra (Managing Director, Green wood Developers). (CSEO2019047)

### Code NCU: Round Two

In continuation to the Code NCU, a competition with 77 enthusiastic participants from different streams, the department held a second round on 27 September 2019. It was based on debugging which comprised of 20 questions in Python and Core Java. Students were required to find the bugs and make the code in running state. The shortlisted students from Round 2 will be eligible further to appear in the final phase of Round 3 which has been scheduled in the month of October 2019. The event was coordinated by Ms Poonam Chaudhary and Ms Srishti along with a team of student volunteers of the Department of CSE. (CSEO2019048)



### Design Day

The design day was celebrated on 16 September 2019 to promote the culture of problem solving and design thinking in the University. Students from the first year, CSE presented the projects with the implementation of design principles ranging from Empathize to Prototype. Faculty members like Dr Shaveta Arora, Dr Anjali Garg, Ms Jyotika Pruthi, Ms Neeti Kahsyap, Ms Garima Sharma, Ms Akanksha Kapoor and Dr Sujata, Ms Neeru Bahl, Director, School of emerging Technologies and Dr Kavita Khanna, HOD, CSE encouraged the students with their presence. The event was coordinated by Ms Jyotika Pruthi, Faculty, CSE. (CSEO2019049)



- ❑ Game Tech. AR/VR specialization students of Semester III Presented their final project of the course Digital Asset Creation in Room No 409 on 20 Sept 2019. The motive was to make students demonstrate knowledge in Polygon Modelling and Texturing by Creating 3D models and texturing using software like 3ds max, Photoshop- Towards Game Industry which was reviewed by: Nisha Arya, Industry Engagement Manager, Mentor – Game Tech. AR, VR , Dr Kavita Khanna, HOD – CSE, Ms Neeru Bahl, Director Emerging Tech. and Guest: Ms Vrinda Bahl (Growth & Strategy Manager MAGES Studio). (CSEO2019052)
- ❑ On 9 Sept 2019, the Computer Science Department of The NorthCap University organised a workshop on Cybersecurity. The workshop was

conducted by Mr Praveen Dubey, from AD Consultants. Mr Praveen Dubey has 10 years of experience in the corporate field, prior to which he served in the defence sector and in the R&D department. The discussions in the session hovered around the essentials of cybersecurity which were found quite intriguing and interesting by the students. There was live demonstration at all steps to give the students a better clarity of the concept. He covered various topics during the course of the workshop, such as threats, hacking, risks and a few other related topics. (CSEO2019053)



## Department of Applied Sciences

### Guest Lectures

Mr Paritosh Tyagi, Chairman, Retired Central Pollution Control Board, Ministry of Environment and Forest, New Delhi visited the University on 23 September 2019 to deliver a lecture on 'Environmental & Sustainability-Environment Management for Business Managers' to Managements students as a part of contextual learning process of the curriculum for students. (APS2019G002)

### Workshop

The Department organized a workshop on 'IPR-Basic Information and Patents-Initial steps for filing a patent application' on 24 September 2019. Mr Varun Sharma, Associate Partner, LexOrbis (IP Law Firm), New Delhi was the resource person. The workshop was attended by students and faculty members. Mr Varun provided information about various websites to search for patents published in India and abroad. The workshop was coordinated by Dr Renu Tuli, Faculty, APS. (APS2019W002)



### Metor-mentee Interaction



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

Faculty Mentor, **Prof. Kehar Singh**, Hony. Distinguished Research Professor visited the Department to motivate PhD research scholar and faculty members on 30 August 2019. Faculty members of the Department of APS, CSE and ECE have interacted about the current research area. Prof. Singh motivated them for research and about good publications in reputed journals. He also discussed various topics on optical image processing and other emerging areas. (APS2019O025)



**Prof. Kasturi Lal Chopra**  
Padma Shri  
BSc (Hons), MSc, PhD  
FNA, FASc, FNASc, FNAE,  
DSc(hc)  
Former Director, IIT Kharagpur  
SS Bhatnagar Awardee

Faculty Mentor, **Prof. KL Chopra**, Padmashree Awardee, Former Director IIT Kharagpur visited the Department of APS to guide PhD research scholar and faculty members on 28 August 2019. Faculty members and research scholars of Department of Applied Sciences have interacted about the current research area. Prof. Chopra motivated them for research in various topics like super capacitors, solar cell, piezo-electric materials etc. (APS2019O026)

## Department of Mechanical Engineering

### Expert Lecture Vehicle Development & Testing

The Mechanical Engineering Department, The NorthCap University organized an expert lecture on "Engine Technologies," on 13 August 2019, for Mechanical Engineering final year students, for contextual learning in Vehicle Development & Testing MEL 418. The lecture was delivered by Mr Gagan Kapoor, City Car Care, Gurugram. The lecture was attended by 47 students. The session was very interactive and students found it very informative. The session was arranged by Dr Rohit Singh Lather, Associate Professor, Mechanical Engineering. (MED2019G007)



### A session on "Recent Amendments in The Central Motor Vehicle Rules (CMVR)"

The Mechanical Engineering Department, The NorthCap University organized a session on an "Recent Amendments in The Central Motor Vehicle Rules (CMVR)," on 27 September 2019, in seminar hall, to educate the students about the recent amendments in the CMVR. The session was delivered by The Regional Transport Office (RTO), Government of Haryana, Gurugram and Mr Anurag Kulshrestha, Founder & President, TRAX, a road safety NGO. The session was attended by over 150 from engineering, law and BA students. Students were briefed about road safety and were encouraged to follow road safety rules. Student response to the session was overwhelming. The session was arranged by Dr Rohit Singh Lather, Associate Professor, Mechanical Engineering. (MED2019G008)

## Department of Civil & Environmental Engineering

### Faculty Activity

- ❑ Prof. Ram Karan Singh was invited as a keynote speaker in the International Conference on Computational Intelligence and Data Science (ICCIDS-2019) organized by Department of CSE, NCU in association with University of Dayton, Ohio, USA on 6 -7 September 2019. (CEE2019I001)
- ❑ Prof. Ram Karan Singh appointed as member in the Board of Referees for International Journal of Research and Innovation in Engineering Technology. (CEE2019O052)

### Expert Session

On 26 August 2019, an expert session by Mr Sharad Naik, Senior Technical Advisor, Acropolis Engineering Wisdom and Observer, NABL was organized by the Department of Civil and Environmental Engineering for the students of Final year, Civil Engineering. Mr Naik, In his talk highlighted the dire need to inculcate the habit of referring Indian Standards while testing materials. He insisted that there is an exponential growth in the industry for Civil Engineers as compared to the other disciplines. His talk motivated students to get themselves trained grab these opportunities. (CEE2019G008)



### Parent Faculty Interaction

Parent Faculty Interaction for Civil Engineering students was conducted on 26 August 2019. During the meeting, parents were informed about their ward's progress and attendance. The strength, interest and area of improvement of each student was also shared with the parents. They were also informed about the Parent Information System (PIS) to check their ward participation in various events and about the e-portfolio to increase the employability of students. (CEE2019O047)

### Visit to Indian Concrete Institute, Gurugram Center

On 30 August 2019, Mr Lokesh Choudhary and Mr Diptendu Roy, Faculty of Civil and Environmental Engineering Department attended the Inaugural ceremony of Indian Concrete Institute- Gurugram Centre, Sector 60, Gurugram. Civil & Environmental Engineering Department, The NorthCap University, which is an organizational member of ICI, was under the aegis of Delhi Centre before the commencement of this new Centre. The occasion was hosted in association with Ultratech Cement Limited, where several keynote speakers were invited who presented their perspectives on Construction & Demolition waste Utilization, Aditya Birla Group and Augmented products of Ultratech Cement Limited. The Chief Guest for the day Mr Rahul Hooda, (IAS), Additional Commissioner, MCG Gurugram also addressed the gathering of Academicians, Engineers, Scientists and stakeholders of Construction Industry on dire need of utilizing C&D waste in Construction Activities. (CEE2019V003)



### Industrial Visit

The Department organized an Industrial visit to Hindustan Prefab Limited, Govt. of India Enterprise under the aegis of Ministry of Housing and Urban Affairs on 3 September 2019. The activity was in line with the government initiative to



provide awareness on fast, durable and precast construction. There faculty members from the Dept, viz Mr Diptendu Roy, Mr Lokesh Choudhary and Mr Shubham Bansal accompanied the students of BTech. and Mtech programme attended the session. The session ended with vote of thanks from the CMD, HPL and he encouraged the students to take up internships and training in this area and strive to solve existing problems with sustainable technology. (CEE2019V004)

### Pre-PhD Seminar

Pre-PhD seminar of Ms Monica Malhotra, an enrolled student in the Dept. of Civil & Environmental Engineering was conducted on 10 September 2019. Her title of doctoral research is 'Experimental and Numerical Investigation of the effect of Pre-Existing nearby Conduit or Tunnel on the Load Carrying Capacity of Foundation'. The committee after the seminar recommended submission of her thesis for review. (Reg. 14CVD001)(CEE2019O050)

## News from the School of Management

### Session on Campus to Corporate

6 September 2019, an interactive session was organized by Dr B K Gupta, Director, School of Professional Attachment with his team for students of BCom(H) and BBA with respect to the issues pertaining to the placement process and the eligibility criteria of the industries. Students were advised to enhance their knowledge and soft skills in their domain areas and to update their CVs on SPA portal by coming Wednesday. Continuing with few mock interviews, they were given the idea as to what are their focusing areas. The session was coordinated by Dr Esha Jain, SPA coordinator for SOM. (SOM2019O010)



### Faculty Activity

#### One-Day Consultative Workshop

Dr Esha Jain, faculty from School of Management attended One-day consultative workshop on 'Practices of comprehensive sanitation management under Swachhta Action Plan-Engaging Higher Education Institutions' at Centre for Professional Development in Higher Education, UGC-HRD Centre Delhi on 4 September 2019. (SOM2019WA005)



## News from the School of Law

### Cyber Crime Awareness Week

Legal Aid Clinic, School of Law, organized Cyber Crime Awareness Week from 3-6 September 2019. Seminars were conducted, wherein, Dr Aprajita Bhatt (Assistant Professor, National Law University, Delhi) and Dr Sheetal Vohra, a leading IPR, Media, Technology and Cyber & Entertainment advocate were the guest speakers who enlightened students about the 'Cyber Security Challenges' and preventive measures to protect our self from data breach in this tech-savvy generation. The team of Legal Aid Clinic also spread awareness by performing Nukkad Natak and conducted quiz on Cyber Laws to make students of the University aware about the legal provisions for the safety. The event was coordinated by Ms Anushka Choudhary. (SOL2019WO007)



### Orientation cum Training Workshop

SCC Online is one of the India's premier online legal research solution providers. Mr Kapil Ajmani, Manager-Academic Sales along with his team Mohit Singh, Trainer- Learning Centre of SCC ONLINE conducted an Orientation cum Training Workshop for the teachers and students in the School of Law, NCU on 6 September 2019. He briefed the audience as to the importance of the database not only for research, internship and competition purposes but also for solving almost every problem with regard to the subjects that they study in their semester. The session was coordinated by Ms Deborisha Dutta, Assistant professor, School of Law, NCU. (SOL2019WO008)



### Legal Awareness and Survey at Sukhrali Enclave

The Legal Aid Clinic in association with District Legal Services Authority, Gurugram conducted a survey related to governance issues at Sukhrali Enclave on 7 September 2019. The team discussed the issues related to sanitation, health facilities and drug abuse with Mr Anoop Singh, Councilor of Sukhrali block and focused on spreading an awareness for free legal aid provided by the Legal Aid Clinic, School of Law. The camp was coordinated by Ms Anushka Choudhary. (SOL2019O046)



### Guest Lecture



The School of Law of the NorthCap University steered a Guest Lecture dated 11 September 2019 by Mr Sukhdeep Singh, an Assistant Controller of Patents & Designs at the Ministry of Commerce and Industry, Government of India. An interaction with students of 4th and 5th year, BBA.LL.B.(H) was held on 'Patents and related Industry Issues'. The lecture was coordinated by Ms Mahima Mahajan, Assistant Professor, School of Law. (SOL2019G006)

### Special Lecture



Prof. Steven Levett, a Senior Lecturer in Professional Practice at University of York, UK delivered a lecture for students of BBA-LLB(H) on 'Emerging challenges of techno-legal aspects to fix criminal liability in developed countries' dated 13 September 2019. It was coordinated by Dr Praveen Kumar, Assistant Professor (Sel. Grade). (SOL2019G007)

### Faculty Activities

Shiksha Dahiya (Assistant Professor), School of Law, attended one-week International summer Academy on 'Women's Empowerment for Sustainable Development' from 2-6 September 2019 by UNESCO Chair on Gender Equality and Sustainable Development at Koc University, Istanbul, Turkey. (SOL2019O044)



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

### Recruitment details

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
26-27 <sup>th</sup> August 2019	Fidelity International	CSE	Fidelity International offers investment solutions and retirement expertise to institutions, individuals and their advisers around the world	19 Selections
28 & 29 August 2019	Gemini Solutions	CSE	Gemini Solutions is a leading IT Consulting and Product Development firm.	8 Selections
30 August 2019	Optum	CSE, ECE	Optum, a part of United Health Group, is a pharmacy benefit manager and care services group.	8 Selections
2 & 3 September 2019	AXA XL India	CSE	AXA XL, the P&C and specialty risk division of AXA, is known for solving complex risks	1 Selections
4 September 2019	Publicis. Sapient	CSE, ECE	Publicis. Sapient, the digital business transformation hub of Publicis Groupe, helps clients drive growth and efficiency and evolve the ways they work.	2 Selections
5 September 2019	Capgemini	CSE, ECE	A global leader in consulting, technology services and digital transformation.	46 selections
6 September 2019	TCS	B. Tech (All Branches)	Tata Consultancy Services Limited (TCS) is an Indian multinational information technology (IT) service and consulting company headquartered in Mumbai, Maharashtra, India.	23 selections
10 & 11 September 2019	Real Time Data Services	CSE, ECE	Real Time Data Services Private Limited (RTDS) is a group of companies, thriving in the domain of global information technology by serving clients in domain of Cloud Computing and Communication.	22 selections
11 & 12 September 2019	EY Global Delivery Services	CSE, ECE	Global Delivery Services (GDS) consists of various service delivery centres from which our Client Service and Enablement Services teams operate to deliver strategic support to our EY member firms.	18 selections
16 September 2019	AVL India	CSE	AVL is the world's largest independent company for development, simulation and testing technology of powertrains.	1 selection
9 & 17 September 2019	Nagarro	B.Tech/M.Tech (CSE, ECE)	Nagarro provides outsourced software development services to companies ranging from early stage start-ups to Global 50 market leaders.	5 Selections
24 September 2019	Think Future Technologies	B.Tech/M.Tech (CSE, ECE)	Think Future Technologies is a global QA & Testing and Software development services company. Incorporated in India in 2006.	2 Selections



Optum Campus team during the process



Real time data services team being welcomed by SPA



Publicis.Sapient team being welcomed by SPA



Capgemini Campus team being welcomed by SPA



EY GDS Pre Placement talk





Fidelity International team during the Pre Placement Talk

### Student's Placement Experience for Session 2020



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

Hi, my name is Kartik Chauhan. I'm a student of NCU. I got placed at Capgemini as an Analyst. It was one of the best moments of my life. Here, learning wasn't just learning. It was more than that. The faculty here is one of the best I have ever come across. The faculty and the placement cell have helped us along every step. We were given practical knowledge about the corporate world and how to manage ourselves in it. They have trained us for every different scenario in the interview process. They have always supported us and lifted us when we failed. NCU helped me to lift myself to new heights which I never thought I'll achieve.

The message which I want to convey to my juniors and the future students of NCU is that you have to come out of your comfort zone. Once you are out, it will expand your boundaries of understanding, because this is a continuous process. Always make sure that you will never stop learning. As you gain knowledge, you will have learn how apply it to apply simultaneously to achieve a smooth transition in your life.

## Research Papers Published

### JOURNALS

#### INTERNATIONAL

- ❑ **Pankaj Rakheja\***, **Rekha Vig** and Phool Singh (2019) 'An asymmetric watermarking scheme based on random decomposition in hybrid multi-resolution wavelet domain using 3D Lorenz chaotic system', *Optik*, Vol. 198, pp. 163289, **ECE2019J024**.
- ❑ **Roshan Raman\*** and Naveen Kumar (2019) 'Experimental investigation to analyze the effect of induction length of diesel-acetylene dual fuel engine', *Energy Sources Part A-Recovery Utilization And Environmental Effects*, Vol. 41, No. 21, pp. 1-15, **MED2019J013**.
- ❑ Deeksha Thakur\*, AK Vij and Charu Shri (2017) 'Navigating Antecedents and Outcomes of Faculty-Student Rapport across Private Universities of NCR, India', *International Journal Of Advancement In Engineering Technology, Management and Applied Science*, Vol. 5, No. 1, pp. 34-41, **SOM2019J017**.
- ❑ Deeksha Thakur\*, A K Vij and Charu Shri (2017) 'Matching Teaching Pedagogy with Learning Styles of Students- Insights through Literature Review', *International Journal of Emerging Research in Management & Technology*, Vol. 6, No. 5, pp. 38-43, **SOM2019J018**.
- ❑ Siranjanmurthy M., **Esha Jain\***, Bhawna Nigam and Sushmita M. (2019) 'Efficient implementation of big data access control scheme with privacy-preserving policy', *International Journal of Innovative Technology and Exploring Engineering*, Vol. 8, No. 10, pp. 3385-3395, **SOM2019J019**.

### CONFERENCE PROCEEDINGS

#### INTERNATIONAL

- ❑ Shivani Yadav\* and **Hukum Singh** (2019) 'Image Encryption Using Hybrid Structured Phase Mask And Hybrid Mask Based On Affine And Fresnel Transforms', *AIP Conference Proceedings*, pp.1-8, **APS2019P001**.
- ❑ Deepika\*, **Hukum Singh** and Narendra Sahay Saxena (2019) 'Study Of Electrical Conduction In Nanostructured Se<sub>2</sub>.5Ge<sub>1-x</sub>Sn<sub>x</sub> (x=0, 0.3, 0.5) Thin Films', *Materials Today: Proceedings*, pp.928-933, **APS2019P002**.

Note: \*for Corresponding Author

### CALL FOR PROPOSALS

S.No	Call for Proposal	Last Date
1.	India-Japan Cooperative Science Programme (JCSP)- Indo-Japan Joint call for proposal	04.09.2019
2.	Department of Science & Technology (DST) - Solar Energy Research and Development (SERD-2019)	11.10.2019
3.	Department of Science and Technology, India (DST) and the Deutsche Forschungsgemeinschaft (German Research Foundation, DFG)- Indo-German Collaborative Research Activities in Chemistry, Mathematics & Physics	20.11.2019
4.	The Ministry of Science, Technology and Research (MSTR), Government of the Democratic Socialist Republic of Sri Lanka and the Department of Science and Technology (DST) - Indo-Sri Lanka Joint Research Programme	04.11.2019

## Student Activities

- ❑ Divyanshu Verma (16CSU110), BTech CSE being the youngest member among the participants along with Mr Rahul Yadav, CEO of Voxogenic Pvt. Ltd won a prize money of Rs 1,75,000 for preparing and presenting a project based on Alexa in one of the most reputed coding competitions, TechGig Code Gladiators 2019, organised by TechGig and sponsored by Amazon. CSEO2019050
- ❑ Final year students of Btech CSE presented their final project in Game Tech AR/VR of the course Digital Asset Creation on 20 September 2019. The motive was to make students demonstrate knowledge in Polygon Modelling and Texturing by Creating 3D models and texturing using software like 3ds max, Photoshop- Towards Game Industry which was reviewed by: Nisha Arya, Industry Engagement Manager, Mentor – Game Tech. AR, VR, Dr Kavita Khanna, HOD – CSE, Ms Neeru Bahl, Director Emerging Tech and Guest: Ms Vrinda Bahl (Growth & Strategy Manager MAGES Studio) (CSEO2019052)
- ❑ Neelam from Btech ECE was invited to attend OSA Student Leadership Conference and Frontiers in Optics + Laser Science (FIO + LS) 2019, featuring latest optics and photonics research and technology and workshops on career



development. It was held in Washington DC, USA from 13-19 September 2019.

"It has been a great experience attending the Student Leadership Conference and FIO + LS Annual Meeting as University Chapter Representative. I extend my heartiest thanks to OSA for inviting me" says Neelam (17ECU026), Btech ECE, Student Secretary, OSANCU Student Chapter. (APS2019O024)

- Avtar Singh (4th Year), Saubhagya Chauriha (4th Year) and Pratyush Arora (2nd Year) participated and bagged 6th position with the abled guidance of Ms Pallavi Bajpai, Assistant Professor, School of Law in the 2nd Noida International Moot Court Competition which was organized by Noida



International University on 4 September 2019. The moot proposition was on the Sabrimala verdict, one of the most controversial Judgements given by the Hon'ble Supreme Court and out of 62 teams 8 were the Semi-finalists. (SOL2019O045)

- Ruchika Sharma 17LLB068, Dipshikha Kumari 17llb026, Pratyush Arora 18llb035, Saubhagya Chauriha 16llb070, students of School of Law participated in Amity Client Counselling: language as a barrier vs facilitator and were the semi finalists. The broad area of law, for all the rounds, were based on civil, criminal, family, IPR laws etc and qualified for semi and finals. (SOL2019O047)



- In a fast shrinking world, it is imperative for students to get avenues to visit abroad and experience international education. Ms Sidhi, a student of BBA final year, School of Management has attended "2019 Summer Camp for Chinese Test" at Dongbei University of Finance and Economics, Dalian, China from 28th July-9th August, 2019. She was one among the 10 students who were selected from India to attend the camp. The camp was an amalgamation of two cultures where the students have got the opportunity to learn Chinese culture and gain hands-on experience on Chinese calligraphy. Indeed, such visits foster understanding and acceptance of an array of different cultural and community perspectives.



## Professional Society

### Mathemactive Society

Mathemactive Society of NCU organized a multi round aptitude as well as math quiz named 'MATHOGENICS' competition for the students of first year from all schools on 21 August, 2019 and 27 August 2019 in the Seminar Hall. 'NUMBER'S JUNGLE', 'TEXT TWIST', 'FIND ME IF YOU CAN' were the quiz-based rounds in which around 125 students participated in the event. The winners of the competition were given certificates as well as facilitated with trophies by the head of the department of APS. Jhalkesh Pathak (19CSU381), Rohit Dalal (19CSU260) and Aman Prakash (19CSU019) were the winner, first runner up and second runner up respectively. The event was coordinated by Aayush Jindal (President - Mathemactive team), Shreya Khurana (Vice president- Mathemactive team) under supervision of faculty coordinator Prof. Kalika Srivastava. (APS2019O023)



### CIPRAAT



Centre for Intellectual Property Rights Advocacy, Research and Training (CIPRAAT), School of Law, NCU organized an expert lecture on 23 September 2019 titled 'Liability of Online Market Places in Intellectual Property Right'. Ms Abha Kashyap, International Patent Agent and Managing Partner, Kashyap Partners and Associates as the speaker discussed the recent developments on IPR with negative and positive effects of technology on IPR. Further, focused on the issues which recently rose in the wake of technological effects. The Lecture was coordinated by Ms Unanza Gulzar. (SOL2019G008)

### NCU ENACTUS society wins the KPMG Business Ethics award

NCU Enactus society of the Department of Applied Sciences has been selected for KPMG Business ethics grant of Rs. 50,000/- for the year 2019-20. KPMG International is a global sponsor for Enactus and has been supporting the programme in more than 30 member firms.

Our Enactus society has been selected amongst 20 teams that were shortlisted all over the country.

Governing Body members, Pro-Chancellor, Vice-Chancellor, Student, Faculty & Staff of The NorthCap University congratulate the Enactus Society for winning this prestigious Business Ethics award for the year 2019-20.

## Sports

### Inter-Departmental Basket Ball tournament

#### Boy

The Inter-Departmental Basket Ball Tournament 2018-19 was held from Basketball 25 to 27 September 2019. The ECE was declared as winner. The Team members were Arjun Sehrawat 17ECU003, Aman 16ECU008, Piyush 19 ECU015, Vibhu Mehta 16ECU077, Shubham Soni 16ECU066, Saumay 19 ECU019, Manju Gouda 17MSP012, Nikhil Rana 17ECU013, Hupail 17ECU009, Kunal Rana 17ECU011, Dipender 17ECU006, Sarthak 19ECU019.

The Runner's-up was the CIVIL team.



## Outreach Activities of Prof H B Raghavendra, Vice Chancellor



### Prof. H B Raghavendra

Vice-Chancellor  
PhD, Indian Institute of  
Science, Bangalore  
MS (Research), IIT Madras  
BE, University of Mysore

Vice Chancellor, Prof H B Raghavendra attended The Global Education Summit organized by International Youth Fellowship and International Chamber of Media and Entertainment Industry and Centre for Education and Growth and Research on 10 September 2019. The topic of the forum was 'Character Education: The importance and necessity of Mind Education'. The focus of this summit was to discuss the direction in which the University should progress to educate skilled human resources who also possess an upright mind set. The resource person for the same was internationally renowned speaker Dr Kim Jae Hong, Director Education, International Youth Fellowship and President of International Mind Education Institute. The senior dignitary of the various institutions across the India was the invitee in the summit. The summit also honored in presenting the 'Global Education Award' to Prof. HB Raghavendra for his untiring contribution to promote higher education.



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



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

- ❑ Prof. Prem Vrat was the Chief Guest at the Teacher's Day celebration by Rotary Club in Hotel Taj Ambassador, New Delhi on 5th Sep 2019. He honoured the teachers selected for their excellent contributions to school teaching. He was also felicitated by the President of Rotary club of New Delhi on the occasion.
- ❑ Prof. Prem Vrat participated as an expert in the faculty selections for IIM Jammu on 07th Sep 2019 at Delnet New Delhi.
- ❑ Prof. Prem Vrat chaired the 6th meeting of the Board of Governors (BOG) of the Women Institute of Technology (WIT), Dehradun as its chairman BOG on 14th Sep 2019 at IRDT, Dehradun.
- ❑ Prof. Prem Vrat was session Moderator at the CII North Edu Summit "Heading from Education to Employability" at Hotel Leela, Ambience, Gurugram on the theme "What do educational Institutions need to do to Transform Themselves?" on 20th Sep 2019.

- ❑ Prof. Prem Vrat participated in the evaluation of presentation on 'Academic Leadership Development' programme at AICTE on 20th Sep 2019 and also shared his views on promoting innovation research and branding of the institution by its leaders.
- ❑ Prof. Prem Vrat delivered lectures at IIT Delhi on Supply Chain Management in September 2019 as Honorary Professor.
- ❑ Prof. Prem Vrat was Chief Guest at the Teachers Award function by Suruchi Sahitya Kala Parivar Samiti on 29th Sep 2019 at Vivekanand Arogya Kendra, Gurugram.
- ❑ Prof. Prem Vrat attended the meeting of National Board of Accreditation (NBA) committee on 30th Sep 2019 at NBA, HQ, New Delhi.



