

# Newsletter



Vol. 88 February 2019

## THE NORTHCAP UNIVERSITY

(For internal circulation only)

### NCU Activities

#### Eighth Advisory Board Meeting

**E**ighth Advisory Board Meeting of the University was held on 22 Feb 2019, involving the panel of eminent scholars, educationalists and the industry experts from across the countries. Honourable members shared and discussed the progress that the University has made during the year and exchanged views with refreshing ideas/advices on the actions to take for improving academic life and other essential deliverables so that the University could achieve its utmost goal of attaining pre-eminence in India as well as globally.

Their discussion centred to the major aspects like the lack of experienced faculty, traditional teaching standards and introduction of internship programmes for the students. Their progressive ideas have always been helpful to shape and enhance the holistic academic growth, curriculum development and spectrum of services in this Premier University.

Members of the board interacted with the faculty members and students on the Dean's list, sharing their thoughts and inspiring them to be innovators, ground breakers and nation builders.



#### TEDx

**I**n an effort to take audience through the plethora of ideas, TEDx The NorthCap University, where x = independently organized TED event was organized on 16 Feb 2019 at The NorthCap University, Gurugram around the theme Envision: Express: Enact. In the spirit of ideas worth spreading, self-organized events that bring people together to share a TED-like experience.

The speakers included Baba Sehgal, Smita Jayakar, Vani Kabir, RJ Jassi, Gurpreet Singh Tikku, Vikramjit Singh Roprai, Vanky Kataria, Zenobia Khodajji, Himanshu Bakshi, Shantanu Prakash, Rajat Chauhan and Devender Khari. "The beauty of this platform lies in the way; it brings together the blend of diverse group of high calibre speakers to generate new exciting ideas" says Jyotika Pruthi, Curator, TEDx The NorthCap University.



#### Thought Lab

**T**hought lab was established to manage stress, to encourage pure, positive and creative environment for the betterment of the students hosted B K Sister Denise from UK on 11 Feb 2019. The visit was coordinated by Dr Payal Khurana. (CLL20190002)



## Career Counselling

A career counseling session was conducted in Government Girls College, Sector-14, Gurugram, for the final year students of BSc (H) Mathematics on 20 Feb 2019. Around 40 students from Mathematics background attended the session which was conducted by Dr Anshu and Dr Seema Thakran, Department of Applied Sciences. (APS20190005)



## Viva-Voce

A PhD viva-voce of Mr Manoj Kumar, Scholar of the Department of Applied Sciences, NCU on the topic 'Digital Image Forgery Detection using 3D Lighting Fingerprints' was held on 9 Jan 2019 in the university. It was under the guidance of Dr Sangeet Srivastava, Assistant Professor, Department of Applied Sciences, NCU. (14CSD001)

## News from the School of Engineering and Technology

### Department of EECE

#### Industrial Visit

The department of Electrical, Electronics and Communication Engineering organized an industrial visit to Huawei India, Unitech Park, Sohna Road on 18 Feb 2019 for the students in their IV and VI semester. Col. R S Dubey, CEO, AD Consultants, training partners of Huawei delivered a lecture on practical implementation of Network Technology in industry and after that he demonstrated the working and application of Wireless System, Types of Data Transmission, Hardware and Software requirements, Datacom, Router, Switches, Security and Firewall. The visit was coordinated by Dr Anjali Garg and Dr Mona Aggarwal.



#### Faculty Activity

Dr Anjali Garg and Mr Ajay, Dept of EECE, Mr Anmol Bhatia and Mr L N Joshi, Dept of ME attended a workshop on SCADA organized by Mitsubishi Electric India (MEI) Pvt. Ltd from 26-27 Feb 2019. This workshop was conducted under the banner of MOU between NCU and MEI and covered installation of SCADA software, programming of software, interacting with different PC's, graphical representations, clocks, designing etc with hands on practice on various components used in SCADA. The workshop covered Graphworks, MxOPC, GXworks, work scheduling, data set values etc which is the part of the software provided by MEI to NCU. (ECE2019WA001)



## Department of CSE and IT

### Faculty Activities

- ❑ Dr Kavita Khanna and Ms Jyotika Pruthi were invited to attend 12th ASSOCHAM National Education Summit on 21 Feb 2019 at L -Meridien, New Delhi under the theme "Making India a Global Knowledge Powerhouse: Catalysing Reforms and Innovation". The emphasis was on the inclusion of e-classrooms, experiential learning, mentor-mentee model, flipped classrooms in the curriculum. Addresses by Prof. (Dr) MP Poonia, Vice Chairman, AICTE, Sh Prakash Javadekar, hon'ble Minister for Human Resource Development and Sh Pranab Mukherjee, Hon'ble Former President of India highlighted the changes necessary in the current teaching pedagogy. (CSEO2019005)
- ❑ Faculty of CSE is undergoing a 18 day FDP on Web-Development starting from 21 Feb 2019 till 30 March 2019. The FDP is being conducted by Mr Ravi, covering web technologies like HTML5, CSS3, jQuery and MEAN Stack. (CSEO2019006)
- ❑ Dr B Chandra visited the Department of Computer Science on 12 Feb 2019 for mentor mentee meeting. She discussed about bagging and boosting techniques and helped all the mentees with their respective research problems. (CSEO2019007)

### Externship

Dr Jagdeep Kaur served as a member of Technical program committee from 14-16 Feb 2019 for an IEEE international conference on "Machine Learning, Big Data, Cloud & Parallel Computing" organized by the Department of Computer Science, Faculty of Engineering and Technology at Manav Rachna International Institute of Research and Studies deemed to be the University of Faridabad, Haryana. (CSEO2019003)

## Department of Civil & Environmental Engineering

### Workshop

A hands-on workshop on the design of G+4 building was organized under IEI-Chapter of Civil and Environmental Engineering department for BTech 3rd, 4th year and MTech 1st year scholars on 5 Feb 2019. The students were given a brief of the product Midas Gen followed by a hands on exercise on analysis of simple structures and portal frames, steps followed in analysis of a building as per IS 456, loading conditions as per IS 875-Part 3 (Wind Loads), IS 1893- Part 1 (Wind Loads) were discussed and designed in Midas Gen software. The application of loads, namely dead load and live load to the beams and columns, followed by the design of the multi-bay building model was performed and after that the section details of beams and columns were assessed as per the minimum requirements of the code. The session was bridge between the classroom and real life problems. The event was coordinated by Mr Diptendu Roy, Faculty Advisor. (CEE2018W0008)

### Training

Mr Shubham Bansal attended a four days training program on "Laboratory Quality Management System & Internal Audit as per ISO/IEC-17025-2017 (Latest Revision)" from 28-31 Jan 2019 chaired by Mr D S Tewari (Former Director NABL, Dept. of Science & Technology Govt. of India). The programme was specially designed for the benefit of NABL accredited laboratories in the field of testing and calibration providing opportunities to understand various aspects of laboratory accreditation. (CEE2018O026)



### Alumni Interaction

Mr Kabir Sethi (Batch 2011-2015) interacted with students of VI semester on the topic "Follow your passion". He is presently working as First Grade Pilot with Indigo and shared his experience of learning at various stages. He emphasized on participation in extracurricular activities like sports, society fests, momentum etc. along with academics to develop team work and coordination skills. He suggested students to interact with other students and faculty members of the other branches to gain interdisciplinary interest. He shared the importance of summer internship for practical exposure and motivated them to learn and gain experience. He emphasized on importance of sports and encouraged students to participate in intra and inter University tournaments. (CEE2018O025)

### Faculty Activity

Dr Vaishali Sahu attended one day Conference on "Renewable Energy-Challenges and Way Forward" organized by PHDCCI on 7 Feb 2019 at PHD House, New Delhi. The Objective of the conference was to bring together Government decision makers, industry representatives, developers, academicians, investors & other stakeholders to discuss the key issues related to renewable energy segments including Solar, Wind, Biomass, Hydro and ocean energy. Interactions with various government officials and industrialists resulted into various opportunities such as, summer internship in National Institute of Ocean Technology (NIOT), agreed by Dr Purnima Jalihal, Scientist G, NIOT. Mr Tanmay Bishnoi, Head – Standards & Research, Skill Council for Green Jobs, Govt. of India suggested that the National Skill Development Corporation can be approached for Skill Development Program funding. (CEE2018O027)

## Department of Applied Sciences

### Guest Lecture

Lectures on "Lasers: From Einstein's Vision to Today's Reality" and "Nonlinear Optical Phenomena: From Fundamentals to Applications" delivered by Dr Sib Krishna Ghoshal, Associate Professor of Physics at the Faculty of Science, University Teknologi Malaysia were organized for the students and the faculty members of BTech, BSc and PhD on 4 Feb 2019. Dr Ghoshal encouraged the students to have a hands on experience on lasers and nonlinear optical materials by doing undergraduate and postgraduate projects in these areas. The lectures were coordinated by Dr Sunita Sharma. (APS2019G001)

### Faculty Activities

- Dr Sunita Sharma presented her research work in an International Conference on Advanced and Basic Sciences (ICABS 2019) in GDC Memorial College, Bahal from 7-9 Feb 2019. Her paper was adjudged as the best paper in oral presentation. She was offered to collaborate her research activities at Bhabha Atomic Research Centre, Mumbai. (APS2019O003)
- Dr SK Ghoshal Associate Professor, Faculty of Science, Physics Department Advanced Optical Materials Research Group, University Teknologi Malaysia (UTM) visited the Central Research Facility on 4 Feb 2019. Dr Ghoshal appreciated the facility and suggested to add sputtering unit to the lab, Time Resolved Photoluminescence and XRD. Moreover, he appreciated Dr Sunita Sharma for facilitating the process of MOU of NCU with UTM so that students can visit the university and can utilise the resources. (APS2019O004)

## Department of Mechanical Engineering

### Workshop

A workshop was conducted for the BTech first year students of Central University Haryana, Mahendergarh from 19 – 28 Nov 2018. Fifty students of CUH were trained in various labs/workshop of the Mechanical Engineering Department, The NorthCap University. The training gave a practical exposure to the participants with the makings in Machine Shops, Sheet Metal Shop, Foundry Shop, Carpentry Shop, Welding Shop and CAD Lab. The event was coordinated by Mr Ravinder Kumar. (MED2019WO002)

### Guest Lecture

Prof. Mark Jolly, Professor of Sustainable Manufacturing, Sustainable Manufacturing Systems Centre, Cranfield University, delivered a guest lecture on "Sustainable Manufacturing: The Future" to BTech 3rd year ME students on 12 Feb 2019. The event was coordinated by Dr Abhishek Pratap Singh. (MED2019G001)



### Faculty Activity

An interdepartmental knowledge sharing session was carried out among the faculty members of The NorthCap University on 16 Feb 2019. The main agenda of meeting was to discuss the scope of interdepartmental lectures as collective role in research and teaching for the benefit of the students. (MED2019O004)

## Centre for Languages Learning

### France Tour

A 'Choose France Tour' was organized on 9 Feb 2019 at Le Méridien, New Delhi by The French Embassy and The French Institute, India, coordinated by Dr Divyabha for the students of second and third year to facilitate higher studies in France.

This served as a great networking opportunity and motivation where students got counselled by 40 leading French Institutions amongst engineering, culinary arts, fashion or management in France so that they can get an insight about whom to look for in future.



### Academic Collaboration: French Embassy

Dr Manoj Gopaliya (Dy Dean Academics) and Dr Divyabha (Coordinator n+i) attended a meeting on behalf of the NorthCap University with EPF Graduate School of Engineering on 19 Feb 2019 at the French Embassy for Academic Collaboration and signing of MOU with n+i. Dr Jean-Michel Nicolle, President of EPF Graduate School of Engineering and President of Network N+I, cordially invited NCU to develop academic and scientific cooperation. (CLL2019O004)



## News from the School of Management

### National Seminar : Prospects of Business Analytics

A National Seminar on 'Prospects of Business Analytics' was organized on 15 Feb 2019 by the School of Management in association with Max Life insurance Company. The main aim of the seminar was to provide students with the comprehensive overview of what it takes to build, deploy business analytics solutions in an organization and the job prospects in near future. Prof. Prem Vrat addressed the audience in addition to the following industry experts: Mr Indranath Mukharjee, Mr Manish Malhotra, Mr Anurag Dixit, Mr Nitin Jain, Mr Karan Chadha and Mr Atul Kulshreshtha. The seminar was coordinated by Dr Esha Jain, Faculty of the School of Management. (SOM2019WO003)



### Guest Lecture

A lecture on 'Career Opportunities in the Financial Markets' was delivered by Mr Sushil Alewa, a certified trainer of financial education, SEBI, to the students of BBA and BCom on 8 Feb 2019. He gave a basic introduction to the security market, the three different sectors of the economy and also about the need for investing in the various sectors for economic growth. He explained finer details of Equity and Commodity Markets, its connections with the Cash Market, Future Market and Option Trading.

## News from the School of Law

### Law Review

School of Law, NCU organized a Law Review on 31 Jan 2019 in the august presence of the chief Guest, Prof.(Dr) K Elumalai, Head of the School of Law, IGNOU. The event was engaged with the addresses of Prof. Prem Vrat Hon'ble Pro-Chancellor, Prof. (Dr) HB Raghavendra, Hon'ble Vice Chancellor and Dr Subhradipta Sarkar, Editor NCU.

NCU Law Review journal is a peer-reviewed biannual academic publication. This publication is an endeavour to serve as a forum for the promotion and circulation of views on the contemporary legal issues among the members of legal profession, academicians, and students. (SOL2019O006)



### Faculty Activity

- Ms Unanza Gulzar, Assistant Professor at SOL, presented her paper titled "Judicial interference and pro-arbitration judicial stance in India" in the National Conference on Alternative Dispute Resolution organized by Sharda University which was held on 22 Feb 2019. She also presented her paper titled "A Journey from WTO-GATS with respect to World Tourism: Excavating into disappeared Past" in International conference organized by Delhi University which was held from 21-23 Feb 2019. (SOL2019O010)

### Guest Lecture

A guest lecture on 'Human Trafficking and Migration' was delivered by Prof.(Dr) K Elumalai, Director, School of Law, IGNOU on 31 Jan 2019. Dr Elimalai stated that India is considered as the hub of this crime in Asia and as per the statistics of the government. He shared the details on human trafficking that, it is the third largest organized crime after drugs and the arms trade across the globe. He also mentioned about the initiatives such as enacting law against trafficking, setting up Anti-Trafficking Nodal Cell in the Ministry of Home Affairs to act as a focal point for communicating and the decision follow-ups by the State Government to eliminate this crime. (SOL2019G001)



### Workshop

School of Law organized a workshop on "Introduction to Juvenile Justice Act: Law and Principles" in association with Bachpan Bachao Andolan and LatestLaws.com on 7 Feb 2019. The Workshop was conducted by Mrs Jyoti Mathur, Director-Training, Kailash Satyarthi Children's Foundation, and Ms



Chhaya Khosla, Advocate, LatestLaws.com. Mrs Mathur deliberated on the principles of juvenile justice and critically analyzed the procedure laid down in the recently enacted Juvenile Justice (Care and Protection) of Children Act, 2015 to deal with juveniles in conflict with law. Ms Chhaya Khosla, a member of LatestLaws.com and former Panel Advocate of Delhi Legal Services Authority shared some of her experiences and challenges of dealing with delinquent juveniles who are produced before the Juvenile Justice Board. The workshop was coordinated by Ms Unanza Gulzar and Ms Archana Sarma. (SOL2019WO002)

### Legal Aid Camp

School of Law, the Northcap University organized a Legal Aid Camp in association with the District Legal Services Authority, Sonipat at Girls Government Senior Secondary School, village Nahara, Sonipat on 16 Feb 2019, coordinated by Ms Anushka Choudhary.

The camp was addressed by Mr Prashant Kumar (Panel Lawyer DLSA Sonipat); Ms Meenu kumari (Panel Lawyer DLSA Sonipat); Mr Deepak Kumar (Para Legal Volunteer DLSA Sonipat); Ms Anushka Choudhary; Dr Shubradipta Sarkar; Dr Balwinder Singh; Dr Praveen Lochab and Ms Pallavi Bajpai and Mr Anil Goyal, District Science Specialist, Sonipat under the objective to spread awareness for the women's rights with various schemes and policies to empower them. The camp was concluded by providing legal aid to the locals. (SOL2019O009)



### Seminar

Computers have become an integral part of our lives. With an objective to its complete utilization, SOL organized an exclusive and unique education and career building initiative with Microsoft Corporation under the programme 'Computer Se Karo Computer Se Badho' (<https://computersebadho.com/>) on 13 Feb 2019. The

program enlightened our students on how to integrate technology into their daily lives. The main speaker for the program was Mr Jalaj Jindal, a representative from Microsoft, explained the students about the new advancements and features introduced by Microsoft, providing access to LinkedIn Career courses for free through [www.computersebadho.com](http://www.computersebadho.com) etc. (SOL2019WO003)



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

**Real Time Data Services:** An Information Technology Company, having footprints in more than 40 countries worldwide conducted a selection process for our students on 1 Feb 2019 for which the result is awaited.

**Protivit:** A Global Consulting firm, helping companies to solve problems in finance, technology, operations, governance, risk and internal audit conducted the selection process for BTech students on 4 Feb 2019 where one student was extended with the job offer.

**Ameriprise Financial:** A legal group, providing support on legal matters to the US, UK and India based attorneys and business leadership conducted a selection process for our BBA-LLB students on 6 Feb 2019 for which the result is awaited.

**ThoughtFocus:** A software engineering and business process management firm with offices in the US, India and the Philippines, helping clients in the financial services, manufacturing etc conducted a selection process for our BTech- CSE & ECE students on 7 Feb 2019 for which the result is awaited.

**Scanta:** A company, harnessing the power of augmented reality and blockchain technology conducted a selection process for our BTech-CSE & MBA students on 8 Feb 2019 where two students were extended with the job offer.

**Meyer Corporation:** A company, developing, manufacturing and distributing high quality kitchenware conducted a selection process for our BTech-all branches, BBA, BCom & MBA students on 8 Feb 2019 for which the result is awaited.

**Lawyered:** A legal tech initiative designed to change the way people interact with and within the legal industry conducted a selection process for BTech-All branches, BBA & MBA students on 12 Feb 2019 where two students were extended with the job offer.



Lawyered campus team during the process.

**India Accelerator:** A seed-stage accelerator program, bringing the building blocks for a start-up under one roof conducted a selection process for BTech-All branches, BBA & MBA students on 12 Feb 2019 where one student was extended with the job offer.

**Panacea Healthcare:** A joint venture of alumni of AIIMS, PGI, IIT & National University of Singapore in Association with OurHealthMate, Singapore conducted a selection process for BTech-All branches, BBA & MBA students on 13 Feb 2019 where one student was extended with the job offer.

**Encore Capital Group:** An international specialty finance company with operations and investments in 17 countries conducted a selection process for BTech-All branches students on 15 Feb 2019 where one student was extended with the job offer.

**Madan Media India:** A Broadcasting Media providing Radio Broadcasting, Media

Consultant and Engineering services to Corporates, News agencies and individuals conducted a selection process for our BTech-CSE & ECE students on 16 Feb 2019 for which the result is awaited.

**RIVIGO:** A unified logistics platform, helping companies to reinvent their business models conducted a selection process for our BTech-CSE students on 19 Feb 2019 for which the result is awaited.

**Wipro:** A leading global information technology, consulting and business process services company conducted a selection process for BTech-CSE, ECE, EEE & ME batch of 2018 on 21 Feb 2019 where one student was extended with the job offer.

**Makemytrip:** A pioneer in India's online travel industry serving the US-India travel markets, offering a range of best-value products and services conducted a selection process for our BTech-CSE & ECE students on 22 Feb 2019 for which the result is awaited.

## Student Speak



**Sonia Saraswat**  
Placed with: EY  
Analyst - Advisory Services  
Batch 2015-19, B.Tech-CSE

"All these years in college have given me both hard and good times. From crying about attending classes early in the morning to sitting in the cafeteria chilling with friends for hours. From not drinking coffee at all, to becoming a coffee addict, waking up all night studying for exams! From being so carefree and childish to responsible and mature.

All these times have added up to what I am today. I think being yourself, and being confident about it, is the key that worked for me. I'm really thankful to all the people who have been a part and support of my journey!"

## Library

### Books Procured for Jan-June 2019 Semester.

List of the books procured for the Semester of Jan-June 2019 are,

School of Engineering and Technology	-	15 titles 126 copies
School of Law	-	25 titles 151 copies
School of Management	-	05 titles 35 copies

The details about the procured titles/books have been shared with all the faculty members.

A new Book Bank Scheme has been implemented from the current semester in which the students can get book of their choice in Rs 50 for the complete semester.

## Research Papers Published

### JOURNALS

#### INTERNATIONAL

- ❑ **Neeti Kashyap\***, A Charan Kumari and **Rita Chhikara** (2019) 'Service discovery and selection in Internet of Things- A review', Recent Patents on Engineering, Vol. 13, No. 1, pp. 1-8, **CSE2019J004**.
- ❑ **Sumanlata Gautam\*** and Latika Singh (2019) 'The development of spectral features in the speech of Indian children', Sadhana - Academy Proceedings in Engineering Sciences, Vol.44, No.1, pp.15, **CSE2019J005**.
- ❑ **Sumanlata Gautam\*** and Latika Singh (2018) 'Variations in relationship between fundamental frequency and intensity in speech of children during development', Journal of Cultural Cognitive Science, Vol. 2, No. 1, pp. 59-69, **CSE2019J006**.
- ❑ **Rakhi Nangia\***, **Neeraj Shukla** and **Ambika Sharma** (2018) 'Optical and structural properties of Se80Te15Bi5/PVA nanocomposite', Journal of Molecular Structure, Vol. 1177, pp. 323-330, **ECE2019J001**.
- ❑ **Naresh Kumari\***, **Nitin Malik** and A N Jha (2017) 'Modified Firefly Algorithm and Fuzzy based FOPID controller for Load Frequency Control of a power system', International Journal of Manufacturing Technology and Management, pp. 1-25, **ECE2019J002**.
- ❑ **Anjali Garg\*** (2019) 'Ancillary Services, Scope and Prospects in Power Sector', International Journal of Information, Communication and Computing Technology, Vol. 6, No. 2, **ECE2019J003**.
- ❑ **Naresh Kumari\***, **Nitin Malik** and A N Jha (2018) 'Multi-area interconnected power system load frequency control using ELQR based state feedback gain

controller', *Evolving Systems*, pp. 1-13, **ECE2019J004**.

- ❑ **Pankaj Rakheja\***, **Rekha Vig** and Phool Singh (2019) 'Optical asymmetric watermarking using 4D hyperchaotic system and modified equal modulus decomposition in hybrid multi resolution wavelet domain', *Optik*, Vol. 176, pp. 425-437, **ECE2019J005**.
- ❑ Tanisha Tyagi, Prashast Sharda, **Naresh Kumari\*** and **Pankaj Rakheja** (2018) 'Artificial Intelligence: Science of Today and Technology of Tomorrow: Review', *International Journal of Advance Research and Innovation*, Vol. 6, No. 4, pp. 286-288, **ECE2019J006**.
- ❑ Bhargava Yasasvi, Charu Rana\* and **Pankaj Rakheja** (2018) 'Implementation of Parity Checker Using CMOS Logic Techniques', *International Journal of Advance Research and Innovation*, Vol. 6, No. 2, pp. 94-96, **ECE2019J007**.
- ❑ Vaishnavi Yadav, Vani Madaan, Amitanshu Chugh, **Pankaj Rakheja\***, Amanpreet Kaur and Charu Rana (2018) 'Touchscreen and SMS Based Door Locking System', *International Journal of Advance Research and Innovation*, Vol. 6, No. 2, pp. 92-93, **ECE2019J008**.
- ❑ Prachi Dewan\*, **Rekha Vig** and **Neeraj Shukla** (2018) 'Hardware Software Co-simulation Models for Traffic Sign Detection', *Journal of advanced research in dynamical and control systems*, No.2, pp.285-291, **ECE2019J010**.
- ❑ Anshul Vats, **Mona Aggarwal\*** and **Swaran Ahuja** (2018) 'Outage and Error Analysis of Three Hop Hybrid VLC/FSO/VLC Based Relayed Optical Wireless Communication System', *Transactions on Emerging Telecommunications Technologies*, DOI: doi.org/10.1002/ett.3544, **ECE2019J011**.
- ❑ Lavisha, Nidhi Sharma, Mouktika Kurupudi and **Vandana Khanna\*** (2018) 'GPS Based Tourist Guide System', *International Journal of Advanced Engineering Research and Applications*, Vol.4, No.6, pp.111-114, **ECE2019J012**.
- ❑ Ashish Kaushik, Dhruv Bawa and **Vandana Khanna\*** (2018) 'Automatic Lemonade Dispenser Machine', *International Journal of Advanced Engineering Research and Applications*, Vol.4, No.6, pp.107-110, **ECE2019J013**.
- ❑ **Anmol Bhatia\***, Mayank Kak, Kunal Arora and Karan Jatwani (2018) 'Design of Walkable Bike', *International Journal of Advance Research and Innovation*, Vol. 6, No. 3, pp. 190-191, **MED2019J005**.
- ❑ Ritu Dhingra\* and **Balwinder Singh** (2018) 'House Sparrow Populations and Local Protection of Biodiversity', *IUCN Academy of Environmental Law Journal*, Vol. 9, **SOL2019J001**.
- ❑ Mahima Gupta\*, Charu Shri and Anshu Agarwal (2015) 'Strategy Formulation for Performance Improvement of Indian Corrugated Industry', *Journal of Applied Packaging Research*, Vol. 7, No. 3, pp. 61-75, **SOM2019J002**.
- ❑ Mahima Gupta\* and Charu Shri (2016) 'Modeling of Changes: A Case Study on Corrugated Packaging Firm', *International Journal of Advanced Packaging Technology*, Vol. 4, No. 1, pp. 226-245, **SOM2019J003**.
- ❑ Mahima Gupta\* and Charu Shri (2016) 'Productivity Assessment to Improve Performance: An Empirical Study from a Corrugated Box Manufacturing Unit', *International Journal Of Emerging Research in Management and Technology*, Vol. 5, No. 9, pp. 20-29, **SOM2019J004**.
- ❑ Mahima Gupta\* and Charu Shri (2018) 'Developing a Conceptual Framework for Performance Evaluation of Corrugated Packaging Firms in India', *Journal of Packaging Technology and Research*, Vol.2, No.1, pp.45-60, **SOM2019J005**.
- ❑ Mahima Gupta\* and Charu Shri (2018) 'Understanding Customer Requirements of Corrugated Industry using Kano Model', *International Journal of Quality and Reliability Management*, Vol. 35, No. 8, pp. 1653-1670, **SOM2019J006**.
- ❑ Karishma Chaudhary\* and **Prem Vrat** (2019) 'An investigation into Consumer behaviour towards E-Waste Disposal Practices in India', *Industrial Engineering Journal*, Vol.12, No.1, pp.14-29, **SOM2019J007**.

#### BOOK CHAPTER

##### INTERNATIONAL

- ❑ **Prachi\*** (2018) 'Detection of Botnet Based Attacks on Network: Using Machine Learning Techniques' in *Handbook of Research on Network Forensics and Analysis Techniques*, Chapter 7, pp.101-116, IGI Global, ISBN-978-15-22-541-00-4, **CSE2019BC001**.

##### NATIONAL

- ❑ **Unanza Gulzar** (2018) 'Draft Surrogacy (Regulation) Bill, 2016: A Scuffle between Women Empowerment and Women Exploitation' in *Women, Law and Technology*, Chapter 9, pp.119-130, Victorious Publishers, ISBN-978-93-

87294-26-4, **SOL2019BC001**.

#### CONFERENCE PROCEEDING

##### INTERNATIONAL

- ❑ **Prachi** and Suchita\* (2018) 'Dissection of Ransomware', 5th International Conference on " Computing for Sustainable Global Development", pp. 860-865, **CSE2019P001**.
- ❑ Lakshay, Mayank and **Prachi\*** (2018) 'Botnet Detection via mining of network traffic flow', *International Conference on Computational Intelligence and Data Science (Procedia Computer Science)*, pp. 1668-1677, **CSE2019P002**.
- ❑ Rakhi Nangia\*, **Neeraj Shukla** and **Ambika Sharma** (2018) 'Analysis of AC Conductivity and Dielectric Relaxation of Solution Grown PVA Film in Desired Frequency and Temperature Window', *National Conference on Advanced Materials and Nanotechnology - 2018*, pp. 20036-4, **ECE2019P001**.
- ❑ **Pankaj Rakheja\***, **Rekha Vig** and Phool Singh (2019) 'A hybrid multiresolution wavelet transform based encryption scheme', *Recent Advances in Mathematical Sciences and its Applications ,AIP Conference Proceedings*, pp. 20036-5, **ECE2019P002**.

#### CONFERENCE PRESENTATION

##### INTERNATIONAL

- ❑ Jyoti Dabass\*, **Rekha Vig** and **Shaveta Arora** (2018) 'Applications of type II fuzzy sets- A mathematical review on breast cancer imaging modalities', '2nd International Conference on communication and computing systems', CRC press (Taylor & francis group), **ECE2019C001**.
- ❑ Jyoti Dabass\*, **Rekha Vig** and **Shaveta Arora** (2018) 'Application of advanced fuzzy set in Medical image analysis: A review', 4th International Conference on computing communication and automation, IEEE, **ECE2019C002**.
- ❑ **Pankaj Rakheja\***, **Rekha Vig** and Phool Singh (2018) 'Cryptosystem based on Double Random Phase Encryption in Hybrid Transform Domain', 3th International Conference on Soft Computing: Theories and Applications 2018 (Series: Advances in Intelligent Systems and Computing), Springer, **ECE2019C003**.
- ❑ Manju Dabass\*, **Rekha Vig** and **Sharda Vashisth** (2018) 'Five-Grade cancer classification of Colon Histology Images via Deep Learning', 2nd International Conference on Communication and Computing Systems 2018, Taylor and Francis, **ECE2019C004**.
- ❑ Manju Dabass\*, **Sharda Vashisth** and **Rekha Vig** (2018) 'Review of Histopathological Image Segmentation via current deep learning approaches', 4th International Conference on computing communication and automation (ICCCA-2018), IEEE, **ECE2019C005**.
- ❑ Sanskriti Gupta\* and **Rekha Vig** (2019) 'Detection and Correction of Head Motion and Physiological Artifacts in BOLD fMRI: A Study', 9th International Conference on Cloud Computing, Data Science & Engineering 2019, IEEE, **ECE2019C006**.
- ❑ **Rohit Singh Lathar\*** (2018) 'Performance and emission and assessment of a multi-cylinder S.I Engine using CNG & HCNG as fuels', *Hydrogen Power Theoretical & Engineering Solutions International Symposium*, Nanyang Technological University, Singapore, **MED2019C003**.

##### NATIONAL

- ❑ **Unanza Gulzar** (2019) 'A Critical Evaluation of Child Soldiers in India under International Humanitarian Law and Human Rights', *National Conference on Inetrnational Humanitarian Law Celebrating 70th Anniversary of Geneva Conventions 1949*, Vivekananda Institute of Professional Studies, New Delhi in association with International Committee of the Red Cross , **SOL2019C001**.

Note: \* for Corresponding Author

#### CALL FOR PROPOSALS (Feb-2019)

S.No	Call for Proposal	Last Date
1.	The United States – India Educational Foundation (USIEF) - Fulbright-Nehru Academic and Professional Excellence Fellowships 2020-2021	15.07.2019
2.	Royal Society Funding Schemes - Newton International Fellowships Scheme 2019	27.03.2019
3.	DST -Science and Engineering Research Board- DST 2019 BRICS Calls for Proposals For Multilateral R&D Projects	29.04.2019
4.	Department of Science & Technology-SwarnaJayanti Fellowships 2018-19	31.03.2019

## Student Activity

### National Social Summit

A team of students comprising 22 NSS volunteers from NCU attended the National Social Summit organized by IIT Roorkee from 8-10 Feb 2019. There were various events in which the students participated such as, Case Study competition, panel discussion on Erosion of Syria's Education System, Model United Nations, Hackathon, dance, slam poetry. Students who secured second position in case study presentation on 'Women's Education', Hackathon competition and fourth position for their presentation on 'Corporate Social Responsibility' won the cash prizes.



NSS Volunteers who visited IIT Roorkee for National Social Summit

### Arguendo 2019

- Students of School of Law participated in ARGUENDO 2019 organized by the Institute of Legal Studies, The Panjab University from 31 Jan – 3 Feb 2019. Four students Jatin Hooda, Saubhagya Chauriha, Aman Kampani, Vanshika reached to the quarter final stage in 'The Trial Advocacy Competition'. In the 'Client Counselling' competition our two students, Ruchika Sharma and Radhika Panhotra reached to the Semi-final stage. (SOL2019O004 - SOL2019O005)



### Symfiesta Negotiation Competition

- The Symfiesta, National Negotiation Competition was organized by the Symbiosis Law School, Noida on 15-17 Feb 2019 in which Mayank Dahiya and Amardeep Chaha, the students of The NorthCap University participated and were judged by the eminent lawyers and judges. Participants were to assume the role of lawyers in negotiating problems based on the real life. They were up against a team from OP Jindal University in the final round and achieved an award of Rs. 5000 as the runners up leaving behind 26 teams from all over the country. (SOL2019O008)



### Rotaract Club

Rotaract Club of NCU conducted its DRR official visit (DOV) on 31 Jan 2019. There was an insightful interaction with DRR Ashima Agarwal who appreciated and suggested better mechanisms with respect to an enhanced participation and the future projects for the Club. It proved to be a healthy one hour discussion wherein various data including monthly reports, flagship projects and account statement were shared. (SOL2019O007)



### Fest

The Subcommittee of Professional Society organized a society fest for the current session on 30 Jan 2019. Stalls of all professional societies were arranged so that the students were aware about the societies at NCU. This gave a platform to the students to showcase their achievements. Students displayed their projects made for the different events under the society activities. About 130 students showed interest in registering or registered during the fest. This event was coordinated by Dr Akanksha Mathur, Mechanical Engineering department. (MED2019O003)



### Yoga Meditation Workshop

A Yoga meditation workshop was organized on 31 Jan 2019 in collaboration with Yogoda Satsang Society of India. The main aim was to spread awareness about Yoga and meditation to ease the balance in all aspects of life. The workshop was under the able guidance of Mr Hemant Kaushik and Ms Pranati Purohit, faculty of the NorthCap University and they awarded the participation certificates to the students. (APS2019O001)



## Professional Societies

### Mathemactive Society

A multi round aptitude and maths quiz 'Mathagascar' was organized by the Mathemactive Society of NCU for the students of BTech, BSc(H) Maths, BSc(H) Physics, and MSc Maths. The competition was to test the aptitude, accuracy along with the speed of the students apart from the basic maths concepts and 143 students participated out of which 9 students made it to the final round. The first round 'Maniac Of Numbers' was held on 28 Jan 2019, second and the third round 'Mathematrix' and 'Do Or Die' respectively, were held on 4 Feb 2019. The winners of the competition were the B Tech students, Manik Kakkar, Shubham Kataria and Amit who achieved 1st, 2nd and 3rd positions respectively. The event was coordinated by Dr Anshu and Prof. Srivastava. (APS2019O002)

## 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 was invited as a Keynote Speaker for the International Conference on Leadership held at St. Joseph Institute of Management, Bangalore (NIRF Rank within 100) from 8-10 Feb 2019. Prof. Raghavendra delivered his Keynote presentation highlighting on the Transforming Leadership Concepts, Characteristics, Challenges and Tools for Accomplishments.
- ❑ Prof. H B Raghavendra attended the 93rd Annual General Meeting of the Association of Indian Universities (AIU) and National Seminar on 'Autonomy for Excellence in Higher Education' held at Shiksha 'O' Anusandhan (Deemed to be the University) Bhubaneswar from 16-18 Feb 2019. The sub-themes of the Seminar were Social Development and Sustainability; Ranking, Rating & Research; Promotion of Sports and Sports Culture; Internationalization as a Strategy for Excellence and Faculty Selection & Development.



The major resolutions taken by AGM on Higher Education are:

- To remove discrimination between students of Private and Government universities while granting recognition and scholarships by MHRD, GoI.
- 2 (f) status of the University is adequate to get grants from UGC/MHRD/AICTE. Not to insist on 12 (B). Memorandum to be submitted to MHRD.
- Anomaly in pay scale of university Vice Chancellors and Directors of IIT and IIM has to be looked into by MHRD.

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



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

- ❑ Prof. Prem Vrat attended the AICTE-INAE programme committee meeting for the selection of distinguished visiting professors for various AICTE approved institutions as well as research scholars from among faculty members of engineering colleges for pursuing PhD with AICTE scholarship at CSIR, DRDO, AEC.
- ❑ Prof. Prem Vrat attended the selection committee meeting as the nominee of Honourable President of India (as visitor) of IIT Hyderabad for appointment of full professor in Mechanical and Aerospace engineering department of IIT Hyderabad on 11 Feb 2019.

- ❑ Prof. Prem Vrat attended the 18th meeting of the Management Evaluation and Accreditation Committee (MEAC) of National Board of Accreditation at NBA, New Delhi on 18 Feb 2019.
- ❑ Prof. Prem Vrat delivered 4 sessions of 90 minutes each at IIT BHU, Varanasi on the following themes:
  1. Visioning and Strategic Planning.
  2. Effective decision making for academic excellence.
  3. Transformational Leadership-sharing of experience.
  4. Performance measurement for academic excellence at individual and institutional level.

These lectures were delivered on 25 and 26 Feb 2019 for 'Leadership for Academicians Programme (LEAP) supported by Ministry of Human Resource Department (MHRD), Government of India for senior academicians who as potential directors/Vice-Chancellors of IIT/NIT etc. are groomed to develop leadership skills. They will have 2 weeks at IIT BHU and one week at Penn State University, USA.

Prof. Prem Vrat received outstanding appreciation for his inspiring lectures and was honored with a shawl and plaque of IIT-BHU.

- ❑ Prof. Prem Vrat attended a panel discussion on "Impact of Swachh Bharat on Environment and Health" as invited by Deeparjan Charitable Trust. The Chief Guest Dr Satya Pal Singh; Minister of State, Ministry of Human Resource Department (MHRD), Government of India inaugurated the programme held at India Habitat Centre on 27 Feb 2019.



Prof. Prem Vrat chaired the first Advisory Board meeting of KIET Group of Institutions in Ghaziabad on 2 Feb 2019.

