

# Newsletter



Vol. 91 May 2019

## THE NORTHCAP UNIVERSITY

(For internal circulation only)

### NCU Activities

#### Scholarship: Awarding 62 Millennials of the Dean's list

On 14 May 2019, The NorthCap University organized a Scholarship Distribution ceremony for students of the Dean's list. Hard-work honours the roles we choose and appreciations takes us much further, a heartiest congratulations to the meritorious students said Prof. HB Raghavendra, Vice Chancellor. Offering financial aid, meritorious students were awarded with the cheques and certificates as a part of an encouraging gesture by our Hon'ble Pro Chancellor, Prof. Prem Vrat and Vice Chancellor, Prof. H B Raghavendra accompanied with the Registrar, Col. Bikram Mohanty. The ceremony marked a new milestone, for students, helping them to take a step further in their career prospects.



#### Inauguration of Specializations, CSE

23 April 2019, witnessed the success of revolutionary ideas, an advancement in reforming a whole new design of growth for our student's polished tomorrow, creating opportunities for the corporate environment. Considering all the requirements of the corporate sector, hon'ble Prof. Prem Vrat, Pro-Chancellor, Prof. H B Raghavendra, Vice-Chancellor, accompanied with Ms Neeru Bhal, Director, Centre for Emerging Technologies, Dr Kavita Khanna, HOD CSE launched a trend of new specializations such as Data Science & Artificial Intelligence, IoT & Cloud Computing, Cyber Security, Full Stack Development and Game Tech, AR & VR polishing the course of Computer Science, adding new layers of advancements. Mr BK Gupta, Director, School of Professional Attachment shared few insights on placements, motivating students for their



future endeavours. Following with that, Ms Hitankshi Thukral, Head Marketing and Communications sighted the audience with the design of each specialization, highlighting its importance in everyday lives.

To understand specializations, students of The NorthCap University performed a skit as to how can each be used and what all benefits do these hold. In continuation, our guest speakers Mr Ravi Kamath, Senior System Software Engineer, NVIDIA, Mr Manuj Chandra, Lecturer, Industry Mentor MAGES, Singapore / The NorthCap University, Dr Junaid Ahmed Siddiquee, ICT Expert, Ericsson, Mr Prabhankar Tripathi, Cyber Security Expert, Lucideus and Mr Amit Srivastava, Founder, Brain Mentors Pvt Ltd shared their field of study as to how these can benefit students in their future. Proceeding towards the next step, everyone walked through the design centre which showcased the specializations which the course offers.

#### Farewell 2019: A Bridge of Memoires

4 May 2019, The NorthCap University organized farewell for final year students of School of Engineering and Technology, School of Management and School of Law, attended by hon'ble Prof. Prem Vrat, Pro Chancellor, Dr HB Raghavendra, Vice Chancellor, Prof. Swaran Ahuja, Dean Academics, Col Bikram Mohanty, Registrar, HODs and faculty. Every beginning has an end and every end is a new beginning said hon'ble Vice Chancellor. The day witnessed heart-warming performances by the Encore Musical Group of the University and bhangra performance by students. Though there was an atmosphere of joy and excitement, yet it was tinged with nostalgia. Adding further gravitas with sweet frolics here and there, juniors distributed the titles as a token of their love and thanks for the memories.



## A Get Together, Rewarding NIRF Ranking

The University came together to celebrate its milestones achieved in the recent NIRF ranking, conducted by Ministry of Human Resource Development (MHRD), Government of India for the year 2019. The University has been ranked 117 in the Engineering category and under the rank band of 151-200 in the University category in All India NIRF ranking survey 2019. The NorthCap University, has also been ranked Second amongst the Cleanest Higher Educational Institutions in the Country in the University (Non Residential) Category. To honour the occasion, a get together cum dinner was organized for all stakeholders along with their families on 18 May 2019 at the University premises. Everyone got a chance to meet and share their experiences at NCU.



## VIVA-VOCE

- ❑ A PhD Viva-voce of Ms Suman Bhatia, Scholar of the department of Computer Science and Engineering under the guidance of Prof. Prabha Sharma, Sr Professor and Dr Phool Singh, Assistant Professor, Central University, the department of Applied Sciences was held titled 'Modelling and Simulation of Action Potential in Axoplasmic Fluid: A Computational Study' on 3 May 2019. (Regn No. 11CSD009)
- ❑ A PhD Viva-voce of Ms Naresh Kumari, Scholar of the department of Electrical, Electronics and Communication Engineering under the guidance of Dr Nitin Malik, Associate Professor, the department of EECE and Prof. AN Jha, former professor, the department of EECE, IIT Delhi titled 'Load Frequency Control of Multi-Area Interconnected

Power System Networks using Different Control Techniques' was held on 9 May 2019. (Regn No. 10ECD003)

- ❑ A PhD Viva-voce of Ms Mehak Khurana, Scholar of the Department of Computer Science and Engineering under the guidance of Dr Hukum Singh, Associate Professor, the department of Applied Sciences, and Dr Meena Kumari, Ex Scientist, DRDO titled 'Secure Optical Image Encryption Schemes Using Different Transforms for Information Security' was held on 30 May 2019. (Regn No. 13CSD004)

## Facilitation of CUCET and CLAT Examinations

The NorthCap University facilitated the exams of CUCET and CLAT, approached by Central University Mahendergarh & National Law University, Delhi for more than 2000 students on 25 & 26 May 2019. Furthermore, to guide students and parents, the marketing team of the University organized a counselling camp at café 10 for students about the courses of their interest.

## News from the School of Engineering and Technology

### Department of EECE

#### Career Counselling

On 16 May 2019, Ms Amanpreet Kaur and Mr Pankaj Rakheja from the department of EECE delivered a career counselling session for students of class 10th, 11th and 12th at District Institute of Education & Training, Gurugram. Session was conducted on career opportunities after class 10 and 12 in all the streams like Science, Arts, Medical, Commerce & Management. (ECE2019O006)

#### Skill Development Programme

To structure the course of high-end education, the department of EECE has organized a six week skill development summer programme starting from 18 May 2019 on Internet of Things and Artificial Intelligence. The training modules are delivered by Dr Shiram KV, 'Intel IoT Innovator' and 'Intel Software Innovator' group, Dr Baskar and Mr Vamsee. It gives student a hands-on experience in embedded system, Linux, Internet of Things, Cloud computing, Azure, Python with Numpy, Pandas and Scipy along with machine learning for IoT. (ECE2019O007)



### Department of CSE

#### Session

A talk by Dr Mohit Kumar, Principal Data Scientist, Naukri.com (Info Edge India Pvt Ltd) was delivered titled 'Data Science: Challenges and Solutions in Production Environment' on 4 March 2019. It acknowledged the audience comprising of students and the faculty members about the areas like Domain research, address research problems, data collection, analytics model, deployment on production and monitoring of results. The session was



coordinated by Dr Vijendra Singh with Dr Prachi, Ms Meghna, Ms Hitesh, Mr Anand Gupta and Ms Manvi. (CSEO2019003)

### Project Exhibition

The Department organized a project exhibition on 16 May 2019 which showcased the skills required by students during their course on 'Web Development' which focused on web development technologies like HTML5, CSS3, Java Script, Bootstrap and Angular JS. They demonstrated their hard work, dedication and intelligence by proposing Web based solutions for various real world problems. Hon'ble Dr H B Raghavendra, Vice Chancellor, Mr Swaran Ahuja, Dean Academics, Ms Neeru Bahl, Director School of Emerging Technologies encouraged students by gracing the occasion and giving their valuable inputs for enhancing the projects. (CSEO2019022)



### Faculty Activities

Dr Vijendra Singh has been appointed as an academic advisor of St. Petersburg State Marine Technical University, Peterburg, Russia. This academic collaboration will allow us to implement International projects, held conferences and other scientific and commercial events. (CSEO2019020)



Ms Hitesh Yadav received an award from CISCO Networking Academy for five years of active participation and dedicated service in Cisco Networking Academy. (CSEO2019021)

Ms Jyotika Pruthi received an award from Indian Education Awards organized by IIT Patna under the category of 'Top 10 Young Teachers of the Year' on 4 May 2019 for her contributions in the field of teaching not only through her classroom but also through her poetry and storytelling sessions to students of government schools. (CSEO2019023)



Ms Jyotika Pruthi represented TEDxTheNorthCapUniversity in TEDx India Organizers Workshop 2019 which was held in Pearl Academy of Fashion, Jaipur on 27 & 28 April 2019. (CSEO2019024)



## Department of Civil & Environmental Engineering

### Himalayan Innovation Challenge at IIT Mandi

On 25 and 26 May 2019, a Himalayan Innovation challenge under the theme 'Start-ups for Himalayas' was organized by IIT Mandi in which 52 teams from different states were selected. Mr Diptendu Roy, Assistant Professor, CEE and Mr Polepally Govardhan, PhD Scholar, representing The NorthCap University presented their Innovative idea of a sustainable brick unit by the name "CSERB- Smart brick" in front of illustrious panel members of the IIT Mandi Catalyst. Mr Saurabh Mittal, Senior Advisory, IIT Mandi Catalyst shared his experience of how an idea can be transformed into a finished product. (CEE20190034)



### A Field Trip cum Survey Camp

3 May 2019, focusing on 'Mapping with Total Station', a Field Trip cum Survey Camp for students was organized to Tau Devi Lal Memorial Park, Gurgaon by the department of Civil & Environmental Engineering. Proportioning on both theoretical and practical aspects of the application of Total Station, it registered the concepts of Leveling, Centering, Contouring, Measurement of horizontal and vertical angles on the site. (CEE20190035)



**Faculty Activity**

Dr Archanaa Dongre and Dr Vaishali Sahu accompanied with Mr Abhijit Ghosh, Sr Vice President (Highways), Sandeep Khurana DGM (Bridges), Anchal Srivastava, Assistant Highway Engineer attended a meeting with Indian Technocrat Ltd, Engineering consultants, New Delhi on 17 May 2019. The discussion was based on BTech curriculum, student internship, placement and faculty externship. Mr Abhijit Ghosh offered summer internship to students of third year in ITL. The meeting was arranged and coordinated by Dr Archanaa Dongre and Mr Anchal Srivastava. (CEE2019O036)



**Mentor Mentee**

A faculty mentor, Prof. SK Kaushik, Ex: Distinguished Research Professor, IIT Roorkee, visited the department of Civil & Environment Engineering to guide PhD research scholars and members of the faculty on 8 May 2019. Prof. Singh discussed their research work and topics on Impact analysis, geo-polymer concrete, CSEB etc. about publishing in SCOPUS indexed journal, Institution of Engineers, Indian Road Congress, Indian Geotechnical Journal, Indian Concrete Journal etc. (CEE2019O037)

**Centre for Languages Learning**

**Literary Fest**

Dr Payal Khurana, Head, CLL and Dr Shrutimita Mehta were invited to judge Inter-school debate, Being Shakespeare and on the spot limmerick competition at the Literary fest in which 24 schools participated. The events were held at N K Bagrodia School, Dwarka. (CLL2019O005)

**Department of Mechanical Engineering**

**Parent-Teacher Meet**

The department organized a Parent-Teacher Meet for students of BTech on 27 April 2019. Since parents are the principal stake holders, the meeting was organized with the aim to make them familiar with the overall performance of their wards including co-curricular and extra-curricular activities. They were also sensitized to use the 'Parent Information System' (PIS) proactively. The PTM was presided over by Head of the department, Prof. Pramod Bhatia, whereas Dr Satnam Singh, Dr Manoj Gopaliya, Dr Akansah Mathur and Dr Amit Arora and Dr Rohit Singh Lather chaired the meetings with the parents of first, second, third and final year students respectively. It was coordinated by Dr Amit Arora. (MED2019O011)



- Ms Archana Sarma, Assistant Professor was invited to deliver two special lectures titled 'Forensic Evidence' for the students of LLM at National Law University, Delhi on 29 & 30 March 2019. (SOL2019O030)
- Dr Subhradipta Sarkar, Associate Professor was invited to School of Law, Ansal University for delivering a special lecture on 'Realist and Philosophical School of Jurisprudence' on 30 April 2019. (SOL2019O032)
- Dr Shabana Shabnam, Assistant Professor, was invited to participate in a talk in which Prof. Upendra Baxi and other legal luminaries spoke, titled 'Methodology of Muslim Law Reform and the Role of Islamic Jurists' organized by The Indian Law Institute on 1 May 2019. (SOL2019O033)



**Career Counselling**

7 May 2019, to furbish young minds a career counselling session was organized at Career Launcher, Rajouri Garden in which students training for CLAT were counselled to be a part of The NorthCap University for further studies. Dr Shabana Shabnam, Dr Balwinder Singh and Dr S Sarkar, Faculty, School of law accompanied with Mr Ishaan Nandwani from Marketing Department attended and guided students. (SOL2019O034)

**Special Lecture**

Mr Kiri Atri, Protection Associate, United Nations High Commissioner for Refugees (UNHCR) delivered a special lecture titled 'The Displacement in 21st Century and Practice Of Refugee Protection- UNHCR Perspective' on 26 April 2019. He explained the work of UNHCR in India in general and cited several case studies involving the Rohingyas and the initiatives taken by UNHCR in tackling the situation. The programme was coordinated by Dr Subhradipta Sarkar, Associate Professor. (SOL2019G004)



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

**Placements during the month of May 2019**

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
7 May 2019	TOPPSCHOLARS (Jaro Education)	BTech (All Branches)	Jaro Education is a leading EdTech company and pioneer in the executive education space	1
14 May 2019	Postdot Technologies	ECE	Postman is the only complete API development environment.	1

**News from the School of Law**

**Faculty Activities**

- Ms Unanza Gulzar, Assistant Professor, presented a paper titled 'A Critical Appraisal of Net Neutrality Issues and Concerns in India' in National Seminar on Cyber Crime-Issues and Challenges at Jamia Milia Islamia held on 9 March 2019. (SOL2019O029)

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
17 May 2019	Channelpay	BTech/MTech (All Branches)	Channelpay is the fastest growing retail marketing services firm in India.	1
24 May 2019	Fidelity International	BTech (CSE, ECE)	Fidelity International offers world class investment solutions and retirement expertise to institutions, individuals and their advisers.	1
24 May 2019	ICAT	BTech (ME,ECE)	The International Centre for Automotive Technology (ICAT), Manesar in the Northern region is a division of NATIS (NATRIP Implementation Society)	1

### Pre placement interactive session with Wipro

A Pre-placement interactive session was organized with Wipro by School of Professional Attachment on 26 April 2019 for students of BTech pre final year (All Branches, 2020 pass out batch) at the auditorium.



Mr Ashok Kumar Sangwan, Senior Manager - Delivery Enablement, Wipro being welcomed by SPA & during the session

### Student's Placement Experience for Session 2019



#### Radhika Bhatia

Placed with: AVL  
Trainee-Electronic  
Control System & Software  
Batch 2015-19  
BTech-CSE

My journey at NCU has been wonderful. From the time of attending classes till the time spent in cafeteria with friends, participating and dancing in fests are the ones to remember, to cherish moving forward.

The moment I got placed in AVL, it felt success, that my journey after opting Engineering at NCU fulfilled the motive, it was a dream come true. After clearing the aptitude test, I was motivated enough to work, considering the work culture, I was happy being placed in a technical company and I feel this is what an engineer strives for. I am thankful to my parents, being the perfect support system for me and specifically the SPA society, preparing me for the placement interviews and helping me throughout the process.

## Research Papers Published

### JOURNALS

#### INTERNATIONAL

- Tarul Garg\*, Nurhayat Ispir and P.N.Agrawal (2019) 'Bivariate q-Bernstein–Chlodowsky–Durrmeyer type operators and the associated GBS operators', Asian-European Journal of Mathematics, Vol. 13, No. 1, pp. 1-20, **APS2019J004**.
- Rajni Rohila\* and R C Mittal (2018) 'Traveling and Shock Wave Simulations in A Viscous Burgers' Equation with Periodic Boundary Conditions', International Journal of Applied and Computational Mathematics, Vol. 4, pp. 1-15, **APS2019J005**.
- Aditya Sharma Ghrera (2019) 'Quantum Dot Modified Interface for Electrochemical Immunosensing of Procalcitonin for the Detection of Urinary Tract Infection', Analytica Chimica Acta, Vol. 1056, pp. 26-33, **APS2019J006**.
- Poonam Lata Yadav\* and Hukum Singh (2019) 'Security Enrichment of Optical Image Cryptosystem Based on Superposition technique using fractional Hartley and Gyator Transform domains Deploying Equal Modulus Decomposition', Optical and Quantum Electronics, Vol. 51, No. 140, pp. 1-24, **APS2019J007**.
- R. Girija\* and Hukum Singh (2019) 'Triple-Level Cryptosystem Using Deterministic Masks And Modified Gerchberg-Saxton Iterative Algorithm In Fractional Hartley Domain By Positioning Singular Value Decomposition', Optik, **APS2019J008**.
- Vaibhav Mishra and Tejpal Singh Chundawat\* (2019) 'Synthesis and Antimicrobial Activity of 1-(benzo[b]thiophen-4-yl)-4-(2-(oxo, hydroxy & fluoro)-2-phenylethyl)piperazine and 1-(benzo[d]isothiazole-3-yl)-4-(2-(oxo, hydroxy & fluoro)-2-phenylethyl)Piperazine Derivatives', Turkish Journal of Chemistry, Vol. 43, pp. 713-729, **APS2019J010**.
- Anju Arya, Vaibhav Mishra and Tejpal Singh Chundawat\* (2019) 'Green Synthesis of Silver Nano-particles from Green Algae (Botryococcus braunii) and its Catalytic Behavior for the Synthesis of Benzimidazoles', Chemical Data Collections, DOI: <https://doi.org/10.1016/j.cdc.2019.100190>, **APS2019J011**.
- Khushbu Gupta and Tejpal Singh Chundawat\* (2018) 'Time and Size Dependent Biogenically Synthesized Nanoparticles using fungus Fusarium oxysporum: A Review on their Preparation, Characterization and Biological activities', Nanoscience and Nanotechnology - Asia, Vol. 9, DOI: 10.2174/2210681208666180911105559, **APS2019J012**.
- Anju Arya and Tejpal Singh Chundawat\* (2018) 'Metal Nanoparticles From Algae: A Green Approach For The Synthesis, Characterization and their Biological Activity', Nanoscience and Nanotechnology - Asia, Vol. 9, DOI: 10.2174/2210681209666181212153701, **APS2019J013**.
- Anju Arya, Khushbu Gupta and Tejpal Singh Chundawat\* (2019) 'In Vitro Antimicrobial and Antioxidant activity of Biogenically Synthesized Palladium and Platinum Nanoparticles using Botryococcus braunii', Turkish Journal of Pharmaceutical Sciences, DOI: DOI: 10.4274/tjps.galenos.2019.94103, **APS2019J014**.
- Amanpreet Kaur, Saloni Agrawal\*, Shlok Sharma and Pankaj Rakheja (2018) 'Autonomous Vehicle for Collision Avoidance using V2V', Journal of Telecommunication, Switching Systems and Networks, Vol. 5, No. 2, pp. 15-24, **ECE2019J009**.
- Pankaj Rakheja\*, Rekha Vig and Phool Singh (2019) 'An asymmetric hybrid cryptosystem using hyperchaotic system and random decomposition in hybrid multi resolution wavelet domain', Multimedia Tools and Applications, Vol. 78, No. 4, pp. 1-26, **ECE2019J016**.
- Ghanishtha Narang\*, Mona Aggarwal, Hemani Kaushal and Swaran Ahuja (2019) 'The probability of error in FSO communication system using Differential Chaos Shift Keying', Physical Communication, Vol. 34, pp. 220-226, **ECE2019J017**.
- Srishti Singhal, Sushant Nagpal and Vandana Khanna\* (2019) 'Design of Active Filter using CMOS based IInd Generation', Journal of VLSI Design Tools & Technology, Vol. 9, No. 1, pp. 15-21, **ECE2019J018**.
- Karishma Yadav, Vandana Khanna\*, Gaurav Shingwani and Ishita (2019) 'Implementation of Different Low Power Techniques on CMOS Inverter and NAND Circuits', Journal of VLSI Design Tools & Technology, Vol. 9, No. 1, pp. 38-43, **ECE2019J019**.
- Naman Fulara, Nishant Vashistha, Pranveer Singh Bhullar and Naresh Kumari\* (2019) 'Hand Gesture Controlled Vehicle', International Journal of Advanced Engineering Research and Applications, Vol. 4, No. 12, pp. 254-261, **ECE2019J020**.
- Harpreet Singh Sachar and Praveen Kumar Lohchab\* (2019) 'Paradigms of Corporate Criminal Liability', International Journal for

Management, IT and Engineering, Vol. 9, No. 4(2), pp. 15-24, **SOL2019J007**.

- ❑ **Ruchi Nayyar, Shitika\***, A K Vij and Seema Sanghi (2019) 'Sculpting the role of Emotional and Spiritual Intelling for Retention: A study of Higher Education System In India', International Journal of Information Systems and Management Sciences, Vol. 2, No. 2, **SOM2019J011**.

#### NATIONAL

- ❑ **Bilal Ahmed and Praveen Kumar Lohchab\*** (2018) 'Enforcement of Right to Bail in Criminal trials in India: A Critical Analysis of Judicial Discretion in India', Lexigentia, Vol. 5, No. 1, pp. 28-35, **SOL2019J004**.
- ❑ **Vijayveer Singh and Praveen Kumar Lohchab\*** (2018) 'Case Comment: Haryana State Industrial & Infrastructure Development Corporation Ltd. V Mawasi', Lexigentia, Vol.5, No.1, pp.113-121, **SOL2019J005**.
- ❑ **Radhakrishnan K. and Praveen Kumar Lohchab\*** (2018) 'Protection of Patent Rights Abroad', All India Reporter, **SOL2019J006**.
- ❑ **Bilal Ahmed and Praveen Kumar Lohchab\*** (2018) 'Judicial Activism: A Tool to Protect and Widen the Scope of Civil Liberties Provided under the Indian Constitution', Bharati Law Review, Vol.6, No.4, pp.95-108, **SOL2019J008**.

#### BOOK CHAPTER

##### INTERNATIONAL

- ❑ **Shaveta Arora**, Vignesh Kothapalli, Madasu Hanmandlu and Gaurav Gupta (2018) 'Information Sets for Edge Detection' in Encyclopedia of Image Processing, 1st Edition, Chapter 22, pp. 378-394, Taylor and Francis, CRC Press, ISBN- 978-14-82244-90-8, **ECE2019BC001**.

##### NATIONAL

- ❑ **Subhradipta Sarkar** (2018) 'Recognition and Protection of the Rights of Women Refugees: An International Perspective' in Women and Law, Chapter 18, pp. 263-282, Satyam Law International, ISBN- 978-93-87893-24-3, **SOL2019BC002**.

#### CONFERENCE PRESENTATION

##### INTERNATIONAL

- ❑ **Aditya Sharma Ghrera** (2019) 'Lateral Flow Assay Immunoassay for Detection of Urinary Tract Infection', Symposium on Advances in Chemical Sciences, Royal Society of Chemistry and Vellore Institute of Technology, **APS2019C006**.
- ❑ **Yachana Gupta and Aditya Sharma Ghrera** (2019) 'Gold Nanoparticle Based Lateral Flow Immunoassay Development for Detection of Bacterial Infection', 2nd International conference on Innovations in Chemical, Biological and Environmental Sciences, Department of chemistry, Arya P.G College, Panipat, Haryana, **APS2019C007**.
- ❑ **Yachana Gupta and Aditya Sharma Ghrera** (2019) 'Application of Gold Nanoparticle for Development of Bacterial Infection Specific Lateral Flow Immunoassay', International Conference on Advanced Materials, Jamia Millia Islamia, **APS2019C008**.
- ❑ **Aditya Sharma Ghrera** (2019) 'Lateral Flow Assay based on Antibody-Modified Quantum Dot Probes for the Detection of Urinary Tract Infection Biomarker', International Conference on Advanced Materials, Jamia Millia Islamia, **APS2019C009**.
- ❑ **Tarul Garg** (2018) 'Better Rate of Convergence by Variants of Durrmeyer type operators', International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2018), Department of Applied Mathematics at Delhi Technological University, Delhi, India, **APS2019C010**.
- ❑ **Trapti Neer** (2018) 'Bivariate Discrete Beta Operators of Kantorovich Type Based on q-Integers', International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2018), Department of Applied Mathematics at Delhi Technological University, Delhi, India, **APS2019C012**.

- ❑ **Pranati Purohit** (2018) 'Optimization of a Piezoelectric Mechanical Amplifier Actuator for Nano-indentation', International Conference on Nanostructured Materials and Devices (ICNSMD 2018), Society for Technologically advanced Materials of India (STAMI) and University of Delhi, **APS2019C013**.

- ❑ **Manju Dabass\*, Sharda Vashisth, and Rekha Vig** (2019) 'Review of Classification Techniques using Deep learning for Colorectal Cancer Imaging Modalities', 6th International Conference on Signal Processing and Integrated Networks (SPIN 2019), IEEE, **ECE2019C007**.

- ❑ **Jyoti Dabass\*, Sharda Vashisth, Rekha Vig and Madasu Hanmandlu.** (2019) 'Manmogram image enhancement using entropy and CLAHE based intuitionistic fuzzy method', 6th International Conference on Signal Processing and Integrated Networks (SPIN 2019), IEEE, **ECE2019C008**.

- ❑ **Unanza Gulzar** (2019) 'A Journey from WTO-GATS With Respect to World Tourism: Excavating Into Disappeared Past', International Conference on Inetrnational Trade Law, Faculty of Law, Delhi University and Indian Institute of Foreign Trade, New Delhi, **SOL2019C002**.

#### NATIONAL

- ❑ **Yachana Gupta and Aditya Sharma Ghrera** (2019) 'Application of AuNPs for development of Bacterial Infection specific Lateral Flow Immunoassay', Biotechnology for Sustainable Agriculture, Department of Biotechnology, Teri School of Advanced Studies, **APS2019C011**.

- ❑ **Unanza Gulzar** (2019) 'Judicial Interference and Pro-Arbitration Judicial Stance', National Conference on Alternative Dispute Resolution: Emerging Issues, School of Law, Sharda University, **SOL2019C003**.

- ❑ **Unanza Gulzar** (2019) 'A Critical Appraisal of Net neutrality Issues and Concerns in India', National Seminar on Cyber Crime-Issues and Challenges, Faculty of Law, Jamia Millia Islamia, New Delhi, **SOL2019C004**.

Note: \* for Corresponding Author

#### CALL FOR PROPOSALS

S.No	Call for Proposal	Last Date
1.	Department of Science and Technology (DST) and Indo-U.S. Science & Technology Forum (IUSSTF)- Indo-U.S. Fellowship for Women in STEM (WISTEM) 2019	17.06.2019
2.	Department of Science and Technology (DST) -Science and Engineering Research Board-Empowerment and Equity Opportunities for Excellence in Science	09.05.2019
3.	Department of Science and Technology (DST) -Science and Engineering Research Board- National Post Doctoral Fellowship (N-PDF) 2019	30.05.2019
4.	Department of Science & Technology-DST 2019 BRICS Calls for Proposals For Multilateral R&D Projects	03.06.2019

## Professional Societies

#### OSA NCU CHAPTER

On 27 April 2019, an interactive session was organized among the active OSA student chapters across the NCR region. Geetanjali Sachdev (Vice-President) and Mayank Jain (Treasurer), officers OSA 'Women in OSA scholarships', 'Career calibrator', 'Siegmen international school on lasers', represented the chapter in the meeting along with five other student chapters from AIT, BVP, DCE(DTU), IITD, IIIT. Mr Amol Choudhary, OSA Ambassador presented various programmes offered under OSA accompanied with a discussion over FIO. The meet-up was led and hosted by Mr Amol Choudhary, OSA ambassador at 38 Barracks, Connaught Place, Delhi. (APS2019O016)

**IEI**

On 17 May 2019, 50th World Telecommunication and Information Society Day was celebrated at The NorthCap University in collaboration with the Institution of Engineers (India)- IEI society, Faridabad. The team of engineering graduates with an experience of 3-5 decades from IEI, Faridabad comprising of Chairman, Honorary Secretary, Convener and Joint Convener, Technical committee graced the occasion. Sh Subhash Chander, Chairman IEI Local Centre, Faridabad and Dr HB Raghavendra, Vice Chancellor, NCU welcomed the audience. Mr Sandeep Handa, Founder-Director of Consultancy SailOn with more than 33 years of experience and Mr Rajat Gupta, Director in IP and Optics Business Division of Nokia Corporation with 25 years of experience in the telecom industry presented on 'Bridging the Standardization Gap' and 'Software-Defined Networking (SDN) technology' respectively. The presentation brought in front their ideas, approach and most importantly, their experience in terms of industry roles, focusing on their commitment of connecting people from all over the world. The event was coordinated by Dr Vandana (Faculty adviser (IEI)), Dr Sharda and Dr Yogita along with student coordinators of Students' chapter of IEI, department of EECE.

**CIPRAAT**

Centre for Intellectual Property Rights Advocacy, Research and Training (CIPRAAT), School of Law organized a workshop titled 'Intellectual Property Rights: Boon or Bane' at Delhi Public School (Ghaziabad), Palam Vihar on 2 May 2019 for students of 11th and 12th. Ms Unanza Gulzar, Assistant

Professor, SOL accompanied with Ms Garima Lakhmani, Assistant Professor gave an overview on Trademark, Copyright and Patents in the light of some Practical examples demonstration. It was coordinated by Ms Unanza Gulzar. (SOL2019WA002)

**Rotaract Club NCU**

The club completed its first phase of an ongoing project 'Share a book, Share a smile' on 25 April 2019. The project was based on a collection drive aiming at collecting books from different parts of the city and setting up a library in low income schools consequently. A total of 350 books were collected and given to the primary students in Government Boys Primary School, Gurgaon. (SOL2019O031)

**Student Activity**

- ❑ Pooja and Umang students of BSc(H) Maths- III year, have qualified IIT-JAM 2018 (Joint admission test for MSc at IIT's, NIT's, IISER).

## Outreach Activities of Prof. Prem Vrat

Pro-Chancellor, Professor of Eminence & Chief Mentor

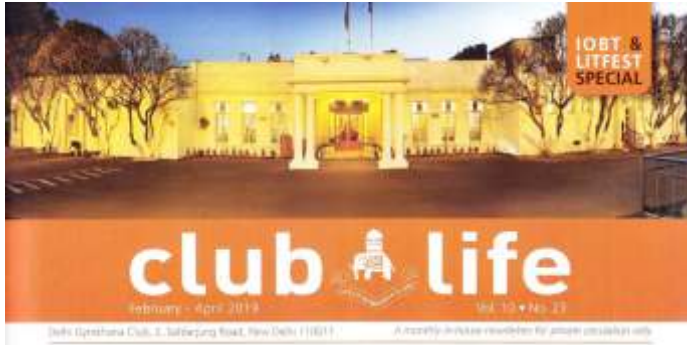


**Prof. Prem Vrat**  
Pro-Chancellor,  
Prof. of Eminence  
& Chief Mentor

- ❑ Prof. Prem Vrat chaired the 4th meeting of the Board of Governors of Women Institute of Technology (WIT), Dehradun a state government institute as constituent unit of Utrkhand Technical University on 11 May 2019 at Dehradun.
- ❑ Prof. Prem Vrat visited WIT campus at Sudhowala; saw the labs and facilities and addressed the faculty and students in the afternoon of 11 May 2019. He was felicitated by the Director WIT before his motivational address to students.
- ❑ Prof. Prem Vrat was the Guest of Honour at the International Day of Families organized by Supreme Court Lawyers Forum (SLF) at the Civil Services Officers' Institute (CSOI), New Delhi on 15 May 2019.
- ❑ Prof. Prem Vrat facilitated Prof. K L Chopra for achieving a distinguished research award in Applied Science on 23 May 2019 on a luncheon meet held at IIT Delhi, invited by Prof. & Head, Department of Design, IIT Delhi.
- ❑ Prof. Prem Vrat delivered a key note address on 'Value Based Technical Education' at Maharaja Surajmal Institute of Technology (MSIT), Janakpuri, New Delhi organized by Supreme Court Lawyers Forum (SLF) on 25 May 2019.
- ❑ Prof. Prem Vrat delivered an inaugural lecture on 'Value Based Technical Education' in a 5-day FDP held at Amity University, Manesar, Gurugram on 27 May 2019.
- ❑ Prof. Prem Vrat attended the Management Evaluation and Accreditation Committee (MEAC) meeting of National Board of Accreditation (NBA) at NBA, New Delhi on 28 May 2019.
- ❑ Prof. Prem Vrat attended the 28th Meeting of the Technology Foresight & Management Forum of Indian National Academy of Engineering (INAE), at INAE, Head Quarter, Gurugram on 30 May 2019.
- ❑ Prof. Prem Vrat has been selected to be a member of Peer Evaluation Committee to evaluate 8 nominations received from India and US for recommending candidates for the 'Distinguished Alumnus Award' of IIT Kharagpur for the year 2019 under academic nomination category.

### NCU Bridge Club announced in Delhi Gymkhana Newsletter

Delhi Gymkhana Club announced the inauguration of NCU Bridge Club, Gurugram in their newsletter edition of February-April 2019. The club was inaugurated on 6 Feb 2019 at The NorthCap University.



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