

Newsletter



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THE NORTHCAP UNIVERSITY

(For internal circulation only)

NCU Activities

ICETMIE 2019



The Department of Mechanical Engineering organized an International Conference on Emerging Trends in Mechanical and Industrial Engineering, ICETMIE 2019 on 10-11 October 2019 in association with Springer as publication partner. The conference was inaugurated by Chief Guest Dr Sivaji Chadaram, Scientist F, Director DST, New Delhi. Renowned keynote speakers addressed the researchers, scholars, students and scientists about new innovations in the field of Mechanical and Industrial engineering on both days. The keynote speakers were Prof. (Dr) Prem Vrat, Pro-Chancellor & Chief Mentor, Prof. (Dr) Richard Degenhardt, Scientist, German Aerospace Center (DLR), Germany, Dr. C R Prasad, Chairman & Managing Director, Everest Power Ltd (former Chairman GAIL), Prof. (Dr) L M Das, Centre for Energy Studies, IIT Delhi, Prof. (Dr) R Ramesh Kumar, Government College Kerala (former Sr. Scientist ISRO). Total 126 manuscripts were submitted from India and abroad out of which only 59 manuscripts were accepted. The proceeding of the Conference will be indexed by Scopus via Lecture Notes in Mechanical Engineering, Springer.

The Conference was Sponsored by GAIL India Ltd, Delhi, Beijing Wave Spectrum, China and TCA (Training and Development) Gurugram. Dr Vikas Sharma acted as Convener and Dr Rohit Singh Lather acted as Co-Convener of the conference.

Dr Pramod Bhatia, Head of Mechanical Engineering Department welcomed the delegates and thanked them for their presence. The event was successful due to the efforts of each and every member of the organizing team. (MED2019CO001)



International Conference on Winning in VUCA World

The School of Management of the NorthCap University, Gurugram organized an International Conference on Management having the theme, "Winning in a VUCA World." The event was scheduled on 4 October, 2019 in the University auditorium. The keynote addresses were delivered by Hon'ble Pro-



Chancellor, Professor of Eminence and Chief Mentor, Prof. Prem Vrat; and the Dean, School of Management, Prof. (Dr) Hemant Trivedi. More than 500 faculty delegates, experts, practitioners and students were part of this International Conference. Dr Swaranjeet Arora and Dr Poonam Arora were conference conveners.

The International conference was a fruitful amalgamation of empirical and conceptual research papers from academicians, professionals, consultants, practitioners, scholars and students. The opening ceremony began with the lighting of Lamp, followed by the welcome of chief guests.



MOU with Ulncpt

A MOU was signed with Ulncpt - a startup incubator and accelerator on September, 2019 to help students incubate new innovative ideas. Mr Karan Singh Chauhan - Head of Marketing & Business Development was here at NCU for the MOU. Ulncpt envisions to support entrepreneurs in building great enterprises through mentorship, infrastructure and a network of potential investors and aiding government institutions.



Science Exhibition 2019

To spread the message of importance of science and its application among people, Department of Applied Sciences, The NorthCap University, Gurugram organized Science Exhibition on 15 October 2019. A series of science-related events were organized to inspire people to work in the field of science, engineering and technology. On this occasion undergraduate



students of the University and about 172 students of class IX to XII from various schools such as Venkateshwara International School, DAV Public School, ITL Public School, SD Memorial Sr. Secondary School, Sishu Kalyan High School, New Sishu kalyan Sr. Sec. School, N K Bagrodia Global School demonstrated their innovative ideas in the form of science projects, models and posters. The exhibits by different schools were indeed eye openers on various topics like Solar Hybrid Chimney, CLARA Project, Water Quality Monitoring, Ultra Cane, Air Pollution Control, Nuclear Pasta etc.

On this occasion the students were also given a career counselling session and hands-on experience in different Science and engineering laboratories. Winners of various events were encouraged by awarding prizes and certificates. The objective of the event is to promote scientific temperament among students and to motivate them towards taking up science in their higher studies and contributing to the national mission.

Dr Pranati Purohit and Dr Seema Thakaran were the main coordinators of Science Exhibition. (APS2019O028)



Breast Cancer Awareness

In line with NorthCap University's commitment towards 'Role of Preventive Care to promote Disease Free Society', Breast Cancer Awareness talk by Dr Neeti Leekha Chhabra was organised on 19 October 2019 in university campus.

Dr Neeti Leekha Chhabra is the founder of Yes to Life is a breast cancer winner who dealt with the disease at the age of 31 with positive attitude and strength. Members of our fraternity which included lady faculty members and lady administrative staff benefited from the camp coordinated by Dr Shilpy Wadhwa, Medical Consultant, The NorthCap University.



Momentum 2019

Day-1

Momentum 2019, the Annual Cultural Festival of the NorthCap University was held on October 16-18, 2019 with fervor and gaiety. The Inaugural Ceremony on the first day set the tone for the three-day Festival, which witnessed a vibrant exhibition and amalgamation of technical and cultural events with sheer enthusiasm among the students. The ceremony began with the lighting of lamp by Prof. Prem Vrat, Pro-Chancellor of the University and other dignitaries. Some of the highlights of the Inaugural ceremony were enthralling musical performance by Encore Music Society, a vivid presentation of a contemporary issue i.e. drug abuse among youth by Abhimanch Theatre Society, beautifully choreographed dance performance by Morphinated Dance Club, a powerful



skit on protection of our environment by the children of Yukti apart from a mesmerizing Bhangra performance.

The Inaugural Ceremony was followed by various onstage and offstage competitions such as X Fame, the talent hunt show for singing, Solo Dance and Group Dance performances on unique themes by students from various colleges and universities, including Fashion Show. The attraction of the evening, the Indian electronic music duo band Progressive Brothers enthralled the audience with their fusion of music, which was one of the most anticipated moments of the day.

Day-2

The day 2 was ignited by a plethora of breathtaking performances in various onstage events including Mr and Ms Momentum, Fashion Show, Solo and Group Dance, X-Fame, and Battle of Bands. Students from several colleges in Delhi-NCR came up with their startling performances to make the fest a huge success. Dotted with jolly fun zone and vibrant off stage events, the NCU campus was indeed a happening place during the fest. The day witnessed an array of competitions, contests, games, and the fest's most awaited band performance by PARASHARA- a popular Delhi-based progressive band. The audiences swiveled to the beats as the band played soulful melodies. It was a spectacular performance of modern music, breaking down all the traditional musical aesthetic conventions and thereby, unleashing complete freedom in all aesthetic dimensions including melody, rhythm and, chord progression.

Day-3

The day 3 was marked the end of the vivacious event and it has been an exhilarating one. The day began with multiple events such as muscle fit, move fit, fashion show inter. Around 500 participants from various universities participated and put a magnificent display on the stage. 'The Star Night' was main attraction of the fest, Punjabi sensation Maninder Bhuttar gave a scintillating performance and audience came in multitude numbers and danced to the tune.



News from the School of Engineering and Technology

Department of EECE

Startup Eco system Awareness Session for Faculty at NCU

Not everyone is interested in seeking a job. Those who have entrepreneurship mindset would like to start up their own companies.

The NorthCap University has initiated a Startup Program this year wherein the students and the alumni of our University would be mentored by experts on how to come up with a business idea and launch a startup after building a business plan and attracting the seed money from the investors.

In this regard, Mr Avtar Singh, CEO and Co-Founder of IntelliOut.com was invited to address the faculty of the NCU about the importance and the need for building a Startup Ecosystem and how they can initiate and contribute to this development. Mr Avtar Singh addressed the faculty of all schools of the university on 5 October 2019 in seminar hall and explained the different steps that would be undertaken for a startup challenge for this year. He also motivated faculty members to mentor their students for the startup ideas and encourage them to register for startup challenge, if they have ideas with them. This awareness session was organized by Dr Vandana Khanna and Dr Nitin Malik under the expert guidance of Dr Sharda Vashisth (HOD EECE dept.).



Startup Eco system awareness session for Students at NCU



An awareness session about the launch of Startup Eco system at NCU was organized for students of the university on 22 October 2019 in Auditorium. Students and alumni of NCU who have an entrepreneur mindset and see themselves as budding/future entrepreneurs have a wonderful opportunity to hone their skills by being a part of an upcoming start-up ecosystem where they can participate at different levels of various challenges in emerging domains. The NCU Startup Program taps into the potential of ambitious students and alumni of NCU, supporting them through the process of launching an actual startup.

Mr Avtar Singh, CEO and Co-Founder of IntelliOut.com addressed the mixed gathering of students from all schools and departments. He briefed the students about the launch of Startup Eco system in the university, and motivated students to begin their own Startups by giving examples of successful startups. He further explained the complete process for this year's startup challenge and urged the students to register as a team for this challenge, if they have any business idea. This session was coordinated by faculty coordinators from all departments under the expert guidance of Dr Sharda Vashisth (HOD EECE dept.).

All India IEEE Computer Society Student & Young Professional Congress 2019 (AICSSYC'19)

IEEE AICSSYC 2019 was held at A. D. Patel Institute of Technology, Anand, India,

from 11 Oct 2019 to 13 Oct 2019. 19 delegates from The NorthCap University attended the congress alongwith the branch counsellor Dr Naresh Kumari, Assistant Professor, EECE, The NorthCap University. The team got a chance

to interact with Program Chair Ms Megha Ben, IEEE Director of membership Mr Eric Berkowitz, IEEEExtreme Region 10 lead Ms Aathira and were hyped up for the upcoming IEEEExtreme 13.0.

Shreyansh Mamgain (17CSU184), Yatharth Piplani(17CSU212), and Vatsalya Upadhyay(19CSU341) won first prize in the IEEE MadC mobile app idea presentation in AICSSYC 2019 among the 40 student branches that participated in the contest. Aparna Sharma (16ECU012) got the runner up position in the IEEE Code of Ethics Competition. Virendra Pratap Singh Rathore (17CSU207) was felicitated with IEEE CS Compute publicist award and also won the award for being the registration lead of AICSSYC 2019.

The cultural night organised on second day of congress and industrial tour to Amul

were enthusiastically attended by the team with the spirit of networking. The attendees took away the reflections from the congress with a thought that if you make just one connection in the IEEE Congress, you are making an important investment for your future!!



IEEE PES- ZERO HUNGER DAY

The IEEE PES (Power and Energy Society) of NCU Student Branch presented the 1st IEEE PES "Zero Hunger Day" and global food donation campaign to support one of the 17 UN Sustainable Development goals. This was the first global IEEE & PES food donation campaign which took place globally. The 1st IEEE PES Zero Hunger Day had 276 ambassadors from 58 IEEE Sections (39 countries) and 140 universities across the world!

The IEEE NCU student branch invited all to come forward for a noble cause and donate food items for the humanitarian purpose. Donations were accepted from 9th October to 13th October 2019 as packed food items (Grains, pulses, sugar, biscuits, noodles, semolina, cooking oil, spices, rice, tea, wheat flour, gram flour and other packed food items). The collected food items were then donated to NGO to support the Zero Hunger Day on 16 Oct 2019. The event was coordinated by IEEE NCU student ambassador Arup Parida.



IEEE Delhi Section Congress

IEEE Delhi Section Congress (DSC) is one of its biggest annual events which provides a platform to students where they can collaborate and learn from industry partners, sponsors as well as seniors and facilitates interaction among different student branches across the section, thus enhancing networking. This year the event took place in IIIT Delhi on 12 and 13 October, 2019. Total 7 students from The NorthCap University participated in the congress. Overall, it was a great event which was well organised.



Department of CSE

Faculty Activities

- ❑ Department of CSE organised a session on quantitative aptitude for BTech (CSE) third year students on 15 October 2019 and 22 October 2019. Mr Sumit Mishra from TIME Education, expert in Quantitative Aptitude and having more than 6 years of experience in education and training industry was invited as the speaker. The event was coordinated by Dr Sumanlata Gautam and Ms Prerna Singal. (CSEO2019055)
- ❑ Computer science is an umbrella term that encompasses several fields. Staying on top of technology trends is serious business for those of us in the field. In order to help the students in making a choice of specialization, the Department of Computer Science organized "Specialization Awareness Day" on 16 November, 2019. The industry experts from five domains namely: Data Science and Artificial Intelligence, IoT and Cloud Computing, Cyber Security, Full Stack Development and Game Tech, AR and VR were invited. They all highlighted the advancements in the domain, the career opportunities and the curriculum being followed at NCU. Mr Vamshi, Founder, CEO Sixpep Technovations Pvt Ltd., Ms Shairely Bhardwaj, Senior Software Engineer, Accenture, Mr Vinay Solanki, Head, IoT Business at Lenovo for APAC, Mr. Deep Yadav, InfoSec and DFIR Practitioner, Incident Response Professional, SOC & Threat Intelligence Manager and Mr Abhinav Mathur, Software engineer, Gemini solutions graced the event with their presence. The event was organized by Dr Jyotika Pruthi. (CSEO2019056)
- ❑ ACM student chapter at the NorthCap University conducted a PUBG Tournament on 9 October, 2019. The event was held in two one-hour stages: Duo and Squad tournaments. The winners and runners-up of the Duo tournament were awarded a cash prize of Rs.500. The event was a huge success and the response very encouraging. (CSEO2019057)
- ❑ A Faculty Development Program was organised by the Department of CSE on "Cyber Security" on 1 November. The session was delivered by Mr Prasenjit Das, CISO (Chief Information Security Officer) & Head of Cyber Security in Tata Consultancy Services (Govt Business Unit). He has 25 years of industry experience in the delivery of leading-edge IT & Security technologies worldwide. The programme was attended by all the faculty members from CSE department as well as some student representatives from each year. The FDP programme discussed recent trends in the field of cyber security and received an overwhelming response from the audience. (CSEO2019058)



- ❑ The Student Tech Ambassador (STA) programme gives student ambassadors the exposure of communicating with the industrial experts, helping them build mentor relations, understand the Industrial virtue towards education and individual and helps spreading awareness of the different specializations offered in the CSE



department. STA programme is also providing the students with an opportunity to get intact with different management skills by attending and practically getting exposed to the shell out of their actual limit to fortify the competence that helps them to ace each and every heap thereby helping them to trigger their basic concentric area's being specialized in. The department of Computer Science has recruited around 20 students as ambassadors. (CSEO2019059)

- ❑ Dr Yayati Gupta was invited for a Workshop on Social Network Analysis on 4 October 2019 for BTech CSE students. Dr Yayati Gupta is an Assistant Professor in the Department of Computer Science & Engineering at Indian Institute of Information Technology Dharwad. The workshop aimed to provide a quick introduction to the research area with an exploratory guide to the programming tools required for modelling. She provided hands-on on Python-network along with a brief introduction to igraph in R and its advantages over networks. Ms Manvi Bareja coordinated the event. (CSEW2019002)
- ❑ The Department of Computer Science and Engineering conducted a Webinar on Big Data Architecture on 10 October 2019. The speaker was Mr Abhishek S. Nagrajan, a Data Scientist Innovation Labs, a renowned author in the domain of Big Data and IOT and a national record holder for publishing over 2445 unique questions in C programming. The webinar threw light on big data, its need, organization, the distributed file system, HDFS components, Hadoop 1.0 Map-reduce, Hadoop 2.0 Spark RDD, Advantages of Spark, Pipeline, Streaming Processing and Big Data in cloud amongst other topics. Ms Srishti and Ms Vaishali Kalra were the faculty coordinators for the event. (CSEO2019063)

Department of Applied Sciences

CSIR-NPL Visit by NCU Students

On 30 September, 2019, an educational visit was organized by the Dept of Applied sciences for the BSc, BTech and the students of OSA to the CSIR-National Physics Laboratory(NPL) on the occasion of CSIR-Foundation day. A total of 23 students were taken for the visit to CSIR-NPL with Dr Pranati Purohit and Dr Arjun Singh. The visit to one of the leading science and research laboratories in India and also one of the world's leading center of excellence in developing and applying the most accurate standards of length, mass, time, voltage, current etc inspired the students and motivated them.

There were scientific models and exhibits on display, as well as audio-visual shows on scientific activities of CSIR-NPL, which the students found very interesting and highly motivating. The students learnt and gained knowledge about the following topics:-

1. Recycling of plastics
2. Lathe Machine working
3. Different units of Measurements
4. Electrodes

The visit to CSIR-NPL was quite fascinating and encouraged the students and helped them gain knowledge about the different scientific phenomena.

This visit was coordinated by Dr Pranati Purohit of Department of Applied Sciences. (APS2019V003)



Guest lectures

- ❑ Mr Paritosh Tyagi (Chairman, Retd. Central Pollution Control Board, Ministry of Environment and Forest, New Delhi) visited the university on 11 October, 2019 to deliver a lecture on "Waste Management: Environmental Management for Business Managers" to Managements students as a part of contextual learning process of the curriculum for the students. The visit was coordinated by Dr Aditya Sharma. (APS2019G003)



- ❑ A session on "Environmental Pollution & Management" was delivered by Dr Paritosh Tyagi, Chairman, Retd. Central Pollution Control Board, Ministry of Environment and Forest, New Delhi to the first-year students of BBA on 30 September 2019. The session was planned as part of contextual learning for the students. Dr Tyagi discussed about the different types and causes of pollution in the current scenario. He also proposed some strategic tools to manage the issues related to pollution. The same was well appreciated by the students at the end of session. The session was organized by Dr Bharti Arora. (APS2019G004)

An expert talk on Lasers for students and faculty members

An expert talk by Professor Devendra Mohan (Department of Physics, Guru Jambheshwar University of Science and Technology, Hisar) was coordinated by Dr Sunita Sharma on 25 September 2019. Prof Mohan explained the difference between a hand held laser pointer and high power laser systems to BSc, BTech students, research scholars and faculty members. The basics of the laser and its applications in daily life along with its scope in different research areas like nonlinear optics, biomedical applications and in defence were also discussed. (APS2019G005)



A special talk on Experimental Techniques by Dr Indra Sulania

On 26 September 2019, a special talk on Experimental Techniques- Scanning Electron Microscope and Atomic Force Microscope was co-ordinated by Dr Sunita Sharma by Dr Indra Sulania (Scientist-E, Inter-University Accelerator Centre, New Delhi). The talk was very interesting for BSc students, research scholars and faculty members as almost each new invention in the field of microscopy led to the Nobel prize to the scientist and it was very fascinating to know that the world is beyond nanoscale particles too. The researchers have started working on finding sub- nanometer particles. Dr Sulania urged the students to use their scientific knowledge for uplifting the standards of society. (APS2019G006)

Visit of eminent scientists to Central Research Facility

Dr Indra Sulania and Prof Devendra Mohan visited the Central Research Laboratory (CRF) on 25-26 Sept 2019. The visitors appreciated the existing facilities, interacted with the research scholars and cleared their doubts related to nanoscience. Prof Mohan suggested that experiments based on interferometry can be planned with the laser present in the holography lab of NCU. Dr Indra insisted that in order to do good quality research in material science, XRD has to be procured as it is of utmost importance for material characterisation. The visitors opened up the avenues for future research collaborations with their institutes, visit was coordinated by Dr Sunita. (APS2019O029)



Faculty Activity

A Life time membership of VIBHA

Dr Sunita Sharma has taken lifetime membership of VIBHA. VIBHA is a grass roots movement that empowers the individual to make a positive difference in the life of an underprivileged child and provide them with the possibility of a brighter future.

It is a US-based, volunteer run, non-profit, non-religious, non-political organization working to ensure health, education and economic opportunities for underprivileged children in India and the US. (APS2019O030)

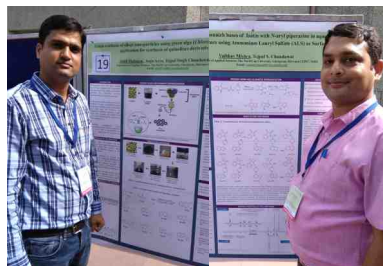
Invitation by Bentham Science publications to join as a "Bentham Science Ambassador" from "India"

Dr Bharti Arora has been invited by Bentham Science publications to join as a "Bentham Science Ambassador" from "India" based on quality research publications. Bentham Science Publishers is a major STM Publisher and publishes over 100 journals (print and online). A certificate of acknowledgement for joining as a Bentham Science Ambassador has been given by Bentham Publishers. (APS2019O031)



Conference Participation

Vaibhav Mishra and Akhil Mahajan presented Papers at "National conference on clean and green energy- Chemical and environmental aspects" Department of Chemistry, BCAS campus, university of Delhi, held on 26-27 september 2019. (APS2019C019 and APS2019C020)



Workshop Organized

The Department of Applied Sciences organized "Workshop on ACD/ChemSketch" for BTech Computer Science I year students on 22 October 2019. Thirty students participated in this event. ACD/Chem Sketch is a molecular modelling program used to create and modify images of chemical

structures. This is a software that allows molecules and molecular models displayed in two and three dimensions, to understand the structure of chemical bonds and the nature of the functional groups. The session started with the basic of the software, followed by Hands on experience on ACD/Chem Sketch. Demonstrations on various components of this software was given to participants in an interactive manner. The latter half of session included a scientific activity that tested the skills, knowledge as well as time management of participants. The training gave hands on experience on the software and helped the participants to acquire the skill on the Chemical Drawing Software. Pearl Arora (19CSU208) secured first position, Manas (19CSU171) got second position and Nakul (19CSU183) secured the third position in the scientific activity. Prizes were awarded to winners and certificates were given to all participants. The participants took great interest in learning the software and enjoyed it, making this session a success. Dr Aditya Sharma and Dr Bharti Arora were the resource persons for this training. (APS2019WO003)



Department of Mechanical Engineering

Alumni Interaction

- The department of Mechanical Engineering organized an Alumni Interactive session on 1 October 2019 on the topic "3D-Printing technologies" for final year Mechanical Engineering students. The session was conducted by our Alumnus Mr Prashant Bhatia (class of 2015), Founder of Makers Tech 3-D printing solutions, Faridabad. The speaker highlighted the growing demand for the 3-D components in the industry. The speaker presented different technologies related to 3-D printing and also elaborated them with the help of a practical case study. The session was well appreciated by the students as they were able to correlate the theoretical concepts with the practical cases. The session was coordinated by Mr Anmol Bhatia and Dr Vikas Sharma. (MED2019G009)



- The Department of Mechanical Engineering organized an Alumni Interactive session on 3 October 2019 on the topic "Importance of Practical and On-Field Knowledge for Under Graduates" for first year ME, CSE and ECE students. The session was conducted by our



Alumnus Mr Aditya Panjeta (class of 2016), Executive administrator, Speedways Electric, Gurugram. The speaker highlighted the growing demand for skilled engineers in the market. The speaker also highlighted the importance of project based learning to have a deeper knowledge of the concepts. The speaker also highlighted his projects that he has undertaken during the college duration and also provided guidelines on how to complete them well on time. The session was coordinated by Mr Anmol Bhatia and Mr Praveen Singh. (MED2019G010)

Contextual Learning Lecture

The Department of Mechanical Engineering organized a Contextual learning lecture on 3 October 2019 for the final year mechanical engineering students studying the Quality Engineering and Reliability assurance course. The topic of the session was "Six-Sigma framework and strategies". The session was conducted by Mr Chirag Garg from Synergy School of Business Skills, Gurugram. Mr Garg explained the details about the Six sigma strategy and also presented a live case study related to the same. The session was conducted as a part of contextual learning module for the course. As an outcome of the session, the speaker agreed to conduct the online certification course on Six Sigma Yellow belt for the students. The session was coordinated by Mr Anmol Bhatia, Assistant Professor, Department of Mechanical Engineering. (MED2019G011)

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 was appointed as member in the Board of Referees for International Journal of Research and Innovation in Engineering Technology. (CEE2019O052)

Centre for Languages Learning

The Board of Studies Meeting- CLL

A meeting of Board of Studies of Centre for Language Learning was held on Wednesday, 16 October 2019 at 12.00 noon in the Meeting Room 26-A to discuss the scheme and curriculum of the newly designed BA (Hons.) English program and the syllabus of Introduction to English Literature to be offered as an Open Elective. Prof. Mukesh Ranjan, External Expert (Professor, Dept. of English, Director, International Relations, Jamia Millia Islamia, Delhi) reviewed the courses. (CLL2019O007)



on 30 September 2019 on "Basic Criteria of Patent and Requirements of Patentability and inventive step". The speaker of the workshop was Mr Ashish Deep Verma, Managing Partner, Vidhisasras- Advocates and Solicitors. The workshop was started with how Intellectual Property Rights are related to management and commerce and how students can manage crisis, disaster and litigation in real life with the help of Nizam Kathi Rolls and Kababs V/S New Nizam's Kababs and Biryani case. The expert also threw some light on how startups can be funded through venture capitalist and angel investors.

The workshop was coordinated by Ms Unanza Gulzar from SOL and Dr Esha Jain from SOM. (EDC2019A003)



Industry Visit cum Excursion Tour



An industry visit cum excursion tour was organized by School of Management from 11-14 October 2019 for students of BCom and MBA. The objective of this visit was to give exposure to students regarding working of Patanjali Ayurved Limited so that they get hands on experience of industry while pursuing their academics. On 11 October 2019 students left to Haridwar from the university campus and attended ganga arti and did local sightseeing. On 12 October 2019 students visited Patanjali Ayurved Limited, Patanjali Food & Herbal Park, Village; Padartha (Haridear-Laksar Road), District; Haridwar where Mr K K Mishra, Head-Public Relations explained about the working of industry to students and in evening students left to Rishikesh and stayed their overnight. On 13 October 2019 students did local sightseeing of Rishikesh and post lunch departed for gurugram. The visit was coordinated by Dr Swaranjeet Arora and Dr Preeti Chawla. (SOM2019V007)

Industrial Visit to Panipat Thermal Power Station (PTPS)

The School of Management organized an industrial visit to Panipat Thermal Power Station (PTPS), Panipat, Haryana on 11 October 2019 for the students of MBA. The power plant is one of the coal based power plants of Haryana Power Generation Corporation Ltd. PTPS has a total installed generation capacity of 1360 MW comprising of four Units of 110MW each, two Units of 210 MW each and two units of 250 MW each. As all the balance of plant facilities include Coal Handling Plant, Cooling towers, C.W. System. The Senior Engineers interacted with the students about the management in Public sector units, indicating the problems faced, the environmental factors impacting this sector, the opportunities and threats faced by them. Students were explained the process of electricity generation, along with a tour of their power generation unit. Students were curious to see the management of a Public sector undertaking, they asked their queries regarding the estimated life, profits, competitors, strategies and job security. It was an learning cum interactional visit for

News from the School of Management

Workshop on IPR

Centre for Intellectual Property Rights Advocacy, Research and Training (CIPART), School of Law in association with Entrepreneurship Development Cell, School of Management, The NorthCap University organized a workshop



students. The visit was co-ordinated by Dr Poonam Arora and Ms Mahima Anand. (SOM2019V008)

News from the School of Law

Chanakya National Law University Patna, Bihar organised A legal Aid Fest namely VIDHIKTA, 2019. Mayank Dahiya & Amardeep Chahal of IV Year BBA.LLB had participated in the Client Counselling Competiton and qualified for the Semifinal Round.



This theme of the Fest was Providing Free Legal Aid to the people of backward classes or having less earnign capacity. This theme was taken for the first time by any Law School, University or College. Around 150 students of various law schools and National Universities all over India had participated in the event. The fest had various events namely Client Counselling Competiton, Mediation competition, PIL drafting, Nukkad Natak, Open Panel and many other event. In the Semifinal Round the theme was pertaining to Criminal Procedure Code and stood 4th amongst the 20 National Unioersities and Law Schools. (SOL2019O049)

Expert Lecture



School of Law, The NorthCap University, Gurugram on 30 September 2019 organised expert Lecture on "Fundamental Amendments to the Arbitration and Conciliation Act: A Glance". The speaker of the lecture was Mr Ashish Verma, founder and managing partner of Vidhisastras- Advocates and Solicitors. The lecture emphasized on 2015 and 2019 Arbitration Amendment Act, with its issues and impact in conducting arbitration proceedings in future. The Lecture was coordinated by Ms Unanza Gulzar. (SOL2019G009)

Workshop

- Students of School of Law, Jagriti Sangwan and Karan Kataria along with Faculty Ms Shiksha Dahiya participated in International Participatory workshop on INDIA-UK SOCIO-LEGAL RESEARCH WRITING, organized by Chankya National Law university, Patna on 1 October' 2019.



They discussed on the topic "Social Justice and Clinical Legal Education in India: How to inculcate a sense of community service in law students vis-a-vis empower socially and economically backward population of India". (SOL2019O050)

- Ms Simran Nandwani, BALLB 9th semester student has topped in online course over Swayam in the subject Intellectual Property Rights throughout India out of 337 students in the session of July-September, 2019. (SOL2019O051)



Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SIMRAN NANDWANI
for successfully completing the course
Intellectual Property Rights and Competition Law

with a consolidated score of **83** %

Online Assignments	20.25/25	Proctored Exam	63/75
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Total number of candidates certified in this course: 337

Jul-Sep 2019
(8 week course)

A. Goswami
Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur



Indian Institute of Technology Kharagpur

Roll No: NPTEL19MG58511330075 To validate and check scores: <https://npTEL.ac.in/noc>

News from the School of Professional Attachment (SPA)

Recruitment details

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
27 September 2019	LIDO LEARNING	Btech (All Streams), MBA, BBA, BCom (H), BBA-LLB & BSc 2020	LIDO is an ed-tech company revolutionizing the formal classroom education through a unique and immersive online classroom for every child in India. With our exciting and fun online classes for our students, we are building the Lido experience: cutting edge content like animated videos and interactive games, a personalized platform for homework, tests, challenges, and inspiring teachers.	6 selection
3 October 2019	DAIKIN AIRCONDITIONING	ME	Daikin Air-conditioning India Pvt. Ltd. (DAIPL) is a 100% subsidiary of Daikin Industries Ltd., Japan, a global leader in the manufacturing of commercial-use and residential air conditioning systems.	3 selection

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
1 October 2019	Newgen Software Technologies	B.Tech & M.Tech (CSE)	Newgen Software is one of the leading "Make in India" Product Development Organization, leading the competitors as a global provider of Business Process Management (BPM), Enterprise Content Management (ECM), Customer Communication Management (CCM), Document Management System (DMS), Workflow and Process Automation Softwares.	2 selection
1 October 2019	DECIMAL TECHNOLOGIES	B.Tech (CSE, ECE)	Decimal Technologies is a trusted digital partner to Banks & NBFCs helping them in their sales digitization transformation. Started in 2009, the company is a pioneer in fintech space. It has redefined the way banks acquire and serve their customers. Decimal is proud to have created large impact in improving customer experience, enhancing employee productivity and drastically reducing costs for its clients.	5 selection
3 October 2019	GORKELA ASSATES	BBA-LLB	At the Law Offices of Stipe and Belote, our goal is to help people who have suffered a personal injury due to someone else's negligence or intentional misconduct. We understand that most people simply do not have the time or resource to go up against insurance companies or other large corporations in handling their injury claims.	2 selection
11 October 2019	IBM	B.Tech & M.Tech (CSE,ECE)	IBM has been present in India since 1992. IBM India's solutions and services span all major industries including financial services, healthcare, government, automotive, telecommunications and education, among others.	2 selection
12 October 2019	TO THE NEW	B.Tech(CSE), MBA	TO THE NEW is a digital technology company helping organisations in building disruptive products or solutions. We act as a one-stop solution in the Digital Transformation journey of our clients, because of our deep expertise in experience design, cutting-edge open source technologies across the web.	1 selection
14 October 2019	VEGAZVA ENGINEERING	B.Tech(ME), MBA, BBA-LLB	Vegazva is an Engineering Services, IT & Manpower Services company. We chose these two areas of focus as the two are very synergic with almost similar business models. We are focused on the engineering sector with both Engineering Services Solutions and IT Solutions. Not that we don't serve the other sectors, but our offerings for the engineering sector are comprehensive.	5 selection

DATE	NAME OF THE COMPANY	DEPARTMENT	CORE COMPETENCIES	NO. OF STUDENTS
18 October 2019	FAREPORTAL, INC	B.Tech (CSE)	Featuring a suite of brands with a 42-year history, Fareportal is a technology company that powers leading hybrid travel agencies like CheapOair, OneTravel, and Travelong, a veteran corporate travel agency founded in Morristown, New Jersey in 1976.	3 selection
24 October 2019	Protiviti Consulting	B.Tech (CSE)	Protiviti (www.protiviti.com) is a global consulting firm that helps companies solve problems in finance, technology, operations, governance, risk, and internal audit, and has served more than 60 percent of Fortune 1000® and 35 percent of Fortune Global 500® companies.	Result Awaited



Decimal Technologies campus team being welcomed by SPA



Vegazva Campus team during the Pre Placement Talk



Protiviti Campus team during the Aptitude test.

Student's Placement Experience for Session 2020



Lakshita Setia
Placed with:
Fidelity International
GET
Batch 2016-20
B.Tech - CSE

"Don't let the fear of losing be greater than the excitement of winning."

This became the fuel which made me put my best foot forward towards my placement process.

I feel eternally grateful and overjoyed to start the new phase of my life at Fidelity International. It has

been an overwhelming journey throughout and the amount of exposure I got here at NCU is unparalleled.

I'm thankful to all my faculty members, SPA and everyone who supported me and believed in me, even when I did not.

I have been focused and enthusiastic about Web Development and it is my sincere suggestion to find what you love and do it perfectly well, this is what got me through.

Research Papers Published

JOURNALS

INTERNATIONAL

- ❑ Indu Bala and **Anupam Yadav*** (2019) 'Comprehensive Learning Gravitational Search Algorithm for Global Optimization of Multimodal Functions', Neural Computing and Applications, Doi: <https://doi.org/10.1007/s00521-019-04250-5>, **APS2019J024**.
- ❑ Indu Bala* and **Anshu Malhotra** (2019) 'Fuzzy Classification with Comprehensive Learning Gravitational Search Algorithm in Breast Tumor Detection', International Journal of Recent Technology and Engineering, Vol. 8, No. 2, pp. 2688-2694, **APS2019J025**.
- ❑ Divya Jain* and **Vijendra Singh** (2019) 'A Novel Hybrid Approach for Chronic Disease Classification', International Journal of Healthcare Information Systems and Informatics, Vol.15, No.1, pp.1-19, **CSE2019J024**.
- ❑ **Abhishek Pratap Singh*** and **Pramod Bhatia** (2019) 'Numerical simulation of pollutant dispersion in an urban street canyon – effects of elevated metro rail track', International Journal of Environmental Technology and Management, Vol.22, No.2/3, pp.101-114, **MED2019J014**.
- ❑ Aman Bhatnagar*, **Prem Vrat** and Ravi Shankar (2019) 'Multi-criteria clustering analytics for agro-based perishables in cold-chain', Journal of Advances in Management Research, Vol.16, No.4, pp. 563-593, **SOM2019J020**.
- ❑ **Esha Jain** (2019) 'Technical Analysis and National Stock Exchange of India: testing the RSI rule using CNX Nifty index', Afro-Asian Journal of Finance and Accounting, Vol. 9, No. 4, pp. 406-418, **SOM2019J021**.

CONFERENCE PROCEEDINGS

INTERNATIONAL

- ❑ **Vijendra Singh***, Gurdeep Singh, Priyanka Rastogi and Devanshi Deswal (2018) 'Sentiment Analysis Using Lexicon Based Approach', 5th IEEE International Conference on Parallel, Distributed and Grid Computing, 20-22 Dec, 2018, Solan, India, pp. 13-18, **CSE2019P005**.
- ❑ Divya Jain* and **Vijendra Singh** (2018) 'Diagnosis of Breast Cancer and Diabetes using Hybrid Feature Selection Method', 5th IEEE International Conference on Parallel, Distributed and Grid Computing, 20-22 Dec, 2018, Solan, India, pp. 64-69, **CSE2019P006**.

CONFERENCE PRESENTATION

INTERNATIONAL

- ❑ Khushbu Gupta and **Tejpal Singh Chundawat** (2019) 'Ecofriendly Reduction of Copper Acetate Into Copper Nanoparticles Using Fungus Fusarium Oxysporum & Its Antimicrobial Activity', International Seminar On Sustainable Environment and Agriculture Under Global Climate Change, Department of Environmental Science, MDU, **APS2019C018**.
- ❑ **Roshan Raman** (2019) 'Performance and emission analysis of Acetylene Dual Fuel Engine', 22nd World Conference on Applied Science, Engineering & Technology, Institute For Engineering Research and Publication, Singapore, **MED2019C004**.

NATIONAL

- ❑ Vaibhav Mishra and **Tejpal Singh Chundawat** (2019) 'Green synthesis

of N-mannich bases of isatin with N-aryl piperazine in aqueous medium at room temperature using Ammonium lauryl sulfate as surfactant', Clean & Green Energy: The Chemical and Environmental Aspects, Department of Chemistry, Bhaskaracharya college of Applied sciences, University of Delhi, **APS2019C019**.

- ❑ Akhil Mahajan and **Tejpal Singh Chundawat** (2019) 'Green synthesis of silver nanoparticles using alga chlorella vulgaris and its application in synthesis of quinoline derivatives', Clean & Green Energy: The Chemical and Environmental Aspects, Department of Chemistry, Bhaskaracharya college of Applied sciences, University of Delhi, **APS2019C020**.

Note: * for Corresponding Author

CALL FOR PROPOSALS

S.No	Call for Proposal	Last Date
1.	DST -Science and Engineering Research Board-SERB-SUPRA (Scientific and Useful Profound Research Advancement)	29.11.2019
2.	Department of Science & Technology (DST) - INSPIRE Fellowship-2019	06.11.2019

Student Activities

- ❑ Model United Nation Conference was organised by Delhi IIT from 2-5 october, Karan Kataria of BBA-LLB (3rd Year) backed 3rd Position (Special Mention) in Lokshabha which discussed upon Protection of Right of Minority Women with Special emphasis on Protection on Rights on Marriage Act ,2019. (SOL2019O052)



- ❑ **Vishesh Sharma** (15LLB087), Jatin Hooda (17LLB035) & N. Francita Mary Virgil (15LLB024) has participated in Surana and Surana and School of Law, Raffles University National Labour Law Moot Court, 2019 on 11-13 October and was adjudged as quarter finalists. (SOL2019O053)



- ❑ Arnab Oberoi, BTech (CSE) 2nd year student has been awarded with Student Project of the Year Award and Young Achiever Award by Institute of Scholars for his project in python (Text Analyzer and Data Visualizer). (CSE2019O061)



Professional Society

REPORT ON "MATHVISORS" Quiz Competition

MATHEMACTIVE Society of the Department of Applied Sciences organized a Multi round aptitude as well as Math quiz named "MATHVISORS" competition for all students of BTech, Law, Bsc(H) Maths, Bsc(H) Physics and Msc(H) Maths on 9 October, 2019 in the Auditorium. All the three rounds were held on 9 October, 2019. The event was a Multilevel quiz based on Mathematics and Mental ability. The participants were judged on the basis of their skill and ability to cope up with time. The first round was "ALRIGHT APTITUDE" quiz based on basic aptitude and reasoning questions having 20 questions with a limited time of 10 minutes. Around 350 students participated in the event out of which 40 students were qualified for the second round. The second round was "BRAIN MATRIX" in which students have to solve puzzles and logical reasoning questions. Only 10 students qualified for the third round. The third round was "FASTEST FINGER FIRST" based on KAHOOT GAME. The rounds were appreciated by all. The winners of the competition were awarded with trophies and certificates along with cash prize by Dr Ambika Sharma (HOD APS) to Shubham Sharma (1st)(17CSU215), Naveen Kumar (2nd)(19CSU186) and Pratham Kapoor (3rd)(19CSU420). Participation certificates were given to all. The whole event was coordinated by Dr Anshu Malhotra and Prof. Kalika Srivastava. (APS2019O027)



Installation ceremony of Rotaract Club

- On 26 September, 2019 the installation ceremony of Rotaract Club of The NorthCap University "Agaaz" was organised in the NCU Seminar hall for the Rota year 2019-20 with the support of the Rotary Club Gurgaon as its parent club.

The ceremony was graced by Rotarian Mr Surinder Khullar, President, Parent Club; Rotarian Mr Mohit Khullar, Joint Secretary, Parent Club; Rotarian Mr Mandeep Kishore Goel, Assistant Governor; Rotarian Mr. Dilip Grover; Rotarian Mr Hitesh Jain; Dr Subhradipta Sarkar, Faculty Advisor, Rotaract Club NCU; and other distinguished Rotarians and Rotaractors.

The highlights of the ceremony were collaring of President Rotaractor Ranjit Bhambu, pinning of Secretary Rotaractor Aditi Jain and other Board members. Addressing the gathering, Rotarian Mandeep Kishore Goel encouraged the Rotaract club to come up with new projects and also join hands with other Rotaract clubs. Rotarian Mr Surinder Khullar motivated the youth and gave useful tips for future endeavours of the club especially towards community services. Outgoing Secretary, Rotaractor Snehal Mittal read out the report of various activities undertaken by the club for last one year. Further, a video depicting all the major initiatives taken up during the year was screened at the program and was highly appreciated by all. (SOL2019O48)



- The Rotaract Club, NCU conducted a Happiness Hours at an orphanage for mentally challenged boys at Deep Ashram, Gurgaon on 12th October 2019.

The members of Rotaract Club visited Deep Ashram,

conducted drawing and games activities for the children. The club members distributed drawing books, crayons among children and the children participated in drawing. The children under the guidance of the club member made drawings. The club member distributed gifts to the children who gave their best in drawing. After the drawing the club members spend time playing with the children. Balls were distributed among the children. The members of the Deep Ashram fully cooperated with the Club for smooth conducting of the program. (SOL2019O054)



Sports

Inter-Departmental Volleyball tournament

The Inter-Departmental Volleyball Tournament 2018-19 was held from 24 to 26 October 2019. The Winner Boys were the ME Team which consisted of Rajat Awasthi 16MEU052, Preet Yadav 16MEU050, Nismay haudhary 16MEU075, Naman Sharma 16MEU040, Parthendra Bhardwaj 16MEU046, Vikas Kuma 16MEU073, Shubham Bajaj 16MEU065, Tejender Bhardwaj 16MEU070, Bhavya Dhaka 19MEU007, Nishant Rawat 16MEU041.

The Runner's-up were the SOL team.



The Inter-Departmental Volleyball Tournament 2018-19 was held from 24 to 26 October 2019. The Winners girls were the B.Tech. Team which consisted of Sweta Saini 18CSU245, Shagun Bhardwaj 18CSU202, Saloni Yadav 18CSU188, Ritika Rao 18CSU177, Vibhuti Dahiya 18CSU227, Neelam 17ECU026.

The Runner's-up were the SOL team.



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 1st Expert committee meeting on “Smart Manufacturing Industry 4.0 platform – the Road ahead” of Ministry of Heavy Industry and Public Enterprises, Department of Heavy Industry (DHI), at Mechanical Engineering Department, FSM, IIT Delhi on 22 Oct 2019.
- ❑ Prof. Prem Vrat delivered lectures at IIT Delhi on Supply Chain Management in October 2019 as Honorary Professor.
- ❑ Prof. Prem Vrat was invited by The National Academy of Sciences, India (NASI) to attend the 150th Birth Anniversary of 'Ba & Bapu' and 125th Birth Anniversary of Prof. Meghnad Saha at Indian National Science Academy (INSA), New Delhi on 05 Oct 2019.
- ❑ Prof. Prem Vrat attended the Governing Body Meeting of Maharaja Surajmal Institute of Technology (MSIT) at MSIT, New Delhi on 14 Oct 2019.
- ❑ Prof. Prem Vrat was invited by Director, Indian Institute of Management (IIM), Shillong to be a part of Faculty Selection Committee of IIM, Shillong at Indian Institute of Bank Management (IIMB), Guwahati on 17 Oct 2019.
- ❑ Prof. Prem Vrat was Guest of Honor in Diwali Milan Samaroh of Preet Manch, Noida (Registered), a social service organization on 19th Oct 2019 at Auditorium of Indira Gandhi Kala Kendra, Noida.

