

VectorTech

Magnitude & Direction



QUALITY BENCHMARKS



The University ranked in rank band 101-150 in the Engineering Category in the NIRF Ranking released in April 2018 by MHRD



Established under Haryana Private University Act No. 25 of 2009 (Third amendment)



Recognised by the University Grants Commission, Govt. of India, under Section 2(f) of the UGC Act 1956, and empowered to grant degrees under Section 22 of the Act.



Recognised by the Bar Council of India, Govt. of India



University is accredited by the National Assessment and Accreditation Council (NAAC) for period 2016-2021



The NorthCap University Testing Centre established as per ISO/IEC:17025-2005, is NABL Accredited for the Mechanical Testing of Building & Construction Materials.



Accredited by Accreditation Services for International Colleges (ASIC), United Kingdom, in the category of 'Premier' Universities, with 'Commendable' Grades, for 2016-2020



Member of Association of Indian Universities



Member of the Association of Commonwealth Universities



Ranked No. 1 amongst Top Engineering Colleges in Haryana and Ranked No.3 amongst Top Engineering Colleges of Eminence in India in the CSR-GHRDC Ranking Survey 2018 Published in the July 2018 issue



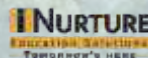
Institutional Member of American Society for Quality (India)



Member of International Students Exchange Programme



University has tied up with IBM Career Education and set up an IBM Lab for Emerging Technologies. IBM conducts courses for the students of ECE, CSE & MBA programmes



iNurture, our knowledge partner is an educational solution company in the business of designing and delivering of innovative industrial relevant jobs in the field of Animation and VFX, Information Technology, Mobile Application and Analytics



Recognised as the BEST@govcampus



School of Law, NCU Ranked No. 9 amongst Top Law Schools of Eminence, All India and No.1 in Haryana by GHRDC Law Schools Survey June 2018



School of Management NCU Rank No. 61 amongst all India Top 100 in Business School Ranking for 2016-17 by MBA Universe :

March 2017 - August 2017

All information upto 28 August 2017 issued under authority of Chancellor

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Founder Members



N K Dewan



Kavita Mishra



Shiv Saran Mehra



V Daulet Singh



Neera Makhija



Avdhesh Mishra



Z Daulet Singh

Vision:

To be known globally for learning innovations, academic excellence and socially relevant research outcomes; strive to become the preferred destination for students, faculty, employers and collaborators & pride of alumni and the community.

Mission:

- Focus on quality of learning and innovation in all programmes with rigour and relevance.
- Develop competent professionals - innovative, analytical and independent; committed to excel in all their endeavours.
- Develop linkages globally with government, industry, academia and alumni for knowledge generation, dissemination and application.
- Encourage multi-disciplinarity in programmes and projects to explore new frontiers of knowledge.
- Continuously improve physical, academic and information infrastructure in pursuit of academic excellence.
- Create a nurturing environment for lifelong learning.
- Focus on entrepreneurship and socially relevant projects.

Core Values:

- Integrity in all endeavours.
- Humility, compassion and concern for all.
- Passion for quality and excellence.
- Quest for innovation.
- Leadership and Team Spirit.
- Autonomy with Accountability.
- Perseverance.

Quality Policy:

To impart learning of the highest standards in the disciplines we have chosen, through a blend of theory, practice and performance. We endeavour to seek excellence in our academic activities and in all the services we provide to improve the quality of life of our students and the community we serve.

Editorial

Welcome to this edition of VectorTech, the biannual magazine that keeps you informed about what is happening at the University. The content reflects the rich diversity of our endeavours. This issue carries interesting interactions with the Director, School of Engineering & Technology and the Dean, Academics. It also provides updates on significant University initiatives which include the opening of the Incubation Centre, Partnership Agreement between The NorthCap University & the University of Dayton, Ohio, USA, National Academic Depository, Automatic Weathering Station at NCU, introduction of new programmes and UGC MOOCs. Read about the 'Excellence Award' won by NCU students in the Delta Cup 2017 held at Wujiang, Suzhou City, China and more.

In the News from the Schools section, I hope you enjoy reading about some of the varied events, celebrations and individual and collective achievements of our Schools and Departments. The NorthCap University is not just about classroom lectures, examinations, seminars, workshops, industrial visits but also co-curricular, sports, club activities and social outreach programmes. Participation in such activities help young people gain confidence, facilitates their holistic development and prepares them to be leaders of tomorrow. These are showcased in the later sections of the magazine. We also feature alumni whose activism is making a difference.

I would like to express my heartfelt gratitude to our Governing Body for their continued support and giving me the opportunity to bring out different publications of your interest. I am thankful to the staff and students for their continued contribution and cooperation in sharing the information for this magazine. It is a request to all the readers to pen down their ideas and send articles, technical or non-technical for subsequent issues. A warm note of thanks goes to Col Bikram Mohanty (Retd) for his invaluable support and guidance at each step. Thanks are due to Mr Akhilesh Kumar for providing good quality photographs and Mr Lalitnarayan Lal for the layout and graphics of the magazine.

I hope that you will like our efforts. I request all the readers of VectorTech to mail to me on any aspect of the issue and to make it an interactive tool or write in to the Editorial Cell.

Happy Reading!

Rekha Mathur

Sr Editor

Email: rekhamathur@ncuindia.edu

Table of Contents



Factfile	01
Message from the Governor	02
Message from the Pro-Chancellor	03
Feedback	04
Recent Achievements	05
In Conversation with Prof. Ravindra Ojha	06
Interaction with Prof. Swaran Ahuja	07
Outreach Activities of Prof. Prem Vrat	08
Outreach Activities of Prof. Ravindra Ojha	09
Outreach Activities of Brig. SK Sharma	10

News and Events

Partnership Agreement with the University of Dayton	11
National Conference on Advances in Metrology	12
India International Education Conclave	13
Merit Certificate and Scholarship Distribution Ceremony	15
Spoken Tutorial with IIT Bombay	16
Installation of Scanning Electron Microscope	17
World Environment Day	18
The NorthCap University Testing Centre	19
Farewell to Brig. SK Sharma	20
Orientation FDP for new faculty members	21

News from the Schools

School of Engineering & Technology

Department of EECE	22
Department of CSE & IT	27
Department of Mechanical Engineering	33
Department of Civil and Environmental Engineering	34
Department of Applied Sciences	39

School of Management

School of Law

Table of Contents



School of Professional Attachment 50

News from the Centre for
Languages Learning 55

Centre for Leadership 56

News from the Library 57

Professional Societies 58

Student Activities 60

Social Service 64

Sports 65

Miscellaneous

Health Camp 66

Books & Papers Published / Presented

Department of EECE 68

Department of CSE & IT 69

Department of Mechanical Engineering 72

Department of Civil &
Environmental Engineering 72

Department of Applied Sciences 73

Centre for Languages Learning 75

School of Management 75

School of Law 75

Articles & Poems

Law is a Career option for Science Students 77

Importance of Inter-disciplinary courses.....
in higher education 77

Why an MBA? 77

Learning a foreign language.....
in India from job perspective 78

7th August 2017 79

Short Poems 80

Dean's List Students 81

Factfile

Nature of University	:	Multidisciplinary, Co-educational University offering Undergraduate, Postgraduate and Doctoral Programmes in Engineering, Management, Law, Applied Sciences and Humanities
Established	:	1996 as affiliated college; 2010 as University
By	:	Educate India Society
Located	:	In the industrial heartland of Gurgaon (Located 7 km from Indira Gandhi International Airport, New Delhi)
Campus Address	:	Sector 23-A, Gurugram, Haryana, India, Tel.: +91-124-2365811-13 Email: ncu@ncuindia.edu, Website: www.ncuindia.edu
Visitor	:	Prof. Kaptan Singh Solanki, Governor of Haryana
Chancellor	:	Mr V Daulet Singh
Pro-Chancellor	:	Prof. Prem Vrat, PhD, FNAE, FNASc, FWAPS, FISTE, FIIE
Vice-Chancellor	:	Prof. HB Raghavendra,
Registrar	:	Col. Bikram Mohanty (Retd)
Student Population	:	Undergraduate 2831 Postgraduate 169 PhD 140
Student Gender Profile	:	Female 30%, Male 70%
Faculty	:	155
Scholarships	:	Merit - cum - Means Scholarships available, covering 100%, 50%, 25% of tuition fee, Merit Scholarships, Teaching Assistantship etc. Dean's List of Students, Best Project awards



Message from the Governor



Hon'ble
Prof. Kaptan Singh Solanki
Governor of Haryana



हरियाणा राजभवन,
चण्डीगढ़।

HARYANA RAJ BHAVAN,
CHANDIGARH.

Message

I am extremely happy to note that ITM University*, Gurgaon has emerged as one of the leading universities in North India. It is good to see that ITM University has been providing high quality education in Engineering, Management and Law. I am impressed by the way; this University has grown from strength to strength since its inception to become a unique multidisciplinary University of higher learning in North India. I am happy to see an absolute ragging-free environment in the University and its excellent intake and placement records. The ratio of female employees and students in different streams is praiseworthy. With relevant and innovative courses, excellent infrastructure and qualified faculty, ITM University shows its commitment to academic development in India in general and Haryana in particular.

I am confident that the University will continue to deliver quality education to serve as an intellectual resource base in India and the world, I wish ITM University, Gurgaon all the best in its endeavours to achieve academic goals and excellence.

(Prof. Kaptan Singh Solanki)

*Now THE NORTHCAP UNIVERSITY

Message from the Pro-Chancellor



Prof. Prem Vrat
Pro-Chancellor and
Professor of Eminence

“Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed, it is the only thing that ever has.”—Margaret Mead

The world is changing rapidly around us and we have initiated multiple approaches to achieve high standards of teaching-learning and research. Conventional teaching and learning practices are being complemented by new teaching methodologies and ICTs that enrich and engage our students in the learning processes so that they are able to ride the waves of globalization and technological advances and lead the change.

In addition to the dynamic academic programmes, campus life provides a vibrant environment for extra-curricular activities that provide opportunities to develop skills and values that are needed lifelong. Student-led clubs, social, cultural and sports activities enliven the campus and prepare students to be mentally and physically fit and contribute towards their holistic personality development. The University also attracts the alumni to frequently return to the campus, to support the next generation of students, and to contribute in making the University a leader in the region and beyond. We nurture our students to be good human beings and excel in different realms of life and prove their calibre.

I extend my best wishes to all staff, students and alumni of The NorthCap University and wish them the best of luck in all their future endeavours.

Feedback

Impression of Distinguished Visitors

I am extremely happy to visit this great Institution. I am highly impressed. I wish all the best to Students, Teachers & Staff of this institution.

Prof. PH Pareekh
Padma Shri,
Senior Advocate,
Supreme Court of India

Great to see NCU make stupendous progress year after year.

Dr Devi Singh
Vice-Chancellor,
FLAME University, Pune
Former Director-IIM, Lucknow

Being on the campus of the NCU was a delight, particularly because the occasion was the Scholarship Award Day/Function to recognise Merit and support Means.

Prof. Furqan Qamar
Secretary General
Association of Indian Universities

I am extremely happy to observe the upkeep of the building and the entire campus. In fact I feel great that 'Ache Din Aageya Hain.' Please keep it up. Great Show.

Prof. SK Joshi
Padma Bhushan
Former- DG, CSIR
& Hon, Distinguished
Scientist (CSUIR)

The institute has made impressive progress in academics & research. The momentum should propel it to greater heights.

Prof. RC Budhani
Professor, IIT Kanpur
Former Director
National Physical Laboratory,
New Delhi

Recent Achievements

- The University was ranked in rank band 101 to 150 in the NIRF Ranking released on 3rd April 2017 by MHRD.



IIIE confers Lifetime Achievement Award on Prof. Prem Vrat



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

The Indian Institute of Industrial Engineering (IIIE), New Delhi, announced the Lifetime Achievement Award to Prof. Prem Vrat, Pro-Chancellor. The award was announced in recognition of Prof. Prem Vrat's admirable contribution in the field of Industrial Engineering. He carries a legacy of numerous awards and recognitions including Lifetime Achievement Award by IIT Roorkee, Uttaranchal Ratan Award, Lillian Gilbreth Award, SSI Gold Medal and many more. The Lifetime Achievement Award was conferred on Prof. Prem Vrat during the inaugural award function at IIIE's 59th National Convention at Aurangabad, Maharashtra on 14 September 2017.

- The School of Engineering and Technology of The NorthCap University was ranked 'AAA' category in 'India's Best Engineering Colleges' survey conducted by Careers 360 published in April 2017.



- The NorthCap University was ranked No. 1 Engineering College in Haryana and No 6 in All India Top Engineering Colleges of Eminence in the rankings of CSR-GHRDC, July 2017.



- The University was ranked No. 2 in Delhi/NCR and No.58 All India in a survey of India's Top 100 Professional Colleges by Outlook in their June 2017 issue.



- The University has been ranked No. 2 in Delhi/NCR and No. 58 All India in a survey of India's Top 100 Professional Colleges by Outlook in their June 2017 issue.

In conversation with Prof. Ravindra Ojha



Prof. Ravindra Ojha
Director, School of Engineering
& Technology

Prof. Ravindra Ojha, Director, School of Engineering & Technology, NCU, shares his thoughts on the future of technological education in our country, in conversation with Ms Rekha Mathur, Sr Editor, NCU.

What are the reforms needed to impart technological education more efficiently in the country?

More than 70% of the Engineering graduates prefer the option of getting employment in industries. The key objective of the leaders in the education sector is to make engineering graduates employable. Therefore, I have the following reform related recommendations in the Technological Education sector:-

- I. Revamp the teaching learning process of 'Mathematics' and 'Economics' and make it interesting and application oriented.
- II. Revisit the curriculum to encourage interdisciplinary courses, subjects for global employability, live projects, bringing systems thinking (problem solving), and soft skills (co-existing with differences), intense application orientation, hands-on working, practicing ethics and values, holistic development of students, technology driven MOOC courses and step up the use of virtual labs.

- III. The leadership of Technological Education institutions should comprise of not only pure academicians but talented industry-experienced leaders too.
- IV. Redefine the quality dimension of Technological education – placement in terms of quantity and quality, admissions to renowned global universities for higher education, growth in Masters and PhD courses and creation of COEs/ productive MoUs etc.
- V. Make teaching-learning institutions more attractive, respected and wanted in terms of financial and psychic incomes.
- VI. Mandate the industry to entertain students for study-trainings with SMART goals.
- VII. Mandatory productive linkage of leading industries with academic institutions.
- VIII. Facilitate summer internships with stipend to pre-final year engineering students.
- IX. Close down universities not meeting the minimum qualitative standards of NIRF.
- X. Create a culture that would support learning both in classrooms and beyond the university walls.

What is the future growth of engineering education in India?

- I. The huge gap created by the excessive supply capacity, in terms of number of admission seats in universities, and sustainable demand, in terms of students pursuing engineering degrees, has led to an imbalance in the quality of education but it is temporary in nature. Bright times are ahead. The future is bright as India continues to grow at a healthy rate of 7% in GDP terms.

- II. The quality of future growth will certainly move to the next orbit which will demand flexibility, new skill-sets and response to changing competency requirements.
- III. Growth potential in the immediate future is in low cost automation, artificial intelligence, internet of things, data analytics, cyber security, cloud computing, disaster management etc.

What is your message to the students?

Excel in whatever you choose as 'excellence' will only survive. Target the 'best in class (BIC)' in terms of your competency.

Systems approach to the plethora of global problems/ issues has huge opportunities waiting for you.

“Children must be taught how to think, Not what to think.”

- Margaret Mead

Interaction with Prof. Swaran Ahuja, Dean Academics



Prof. Swaran Ahuja
Dean Academics

Prof. Swaran Ahuja, Dean Academics, NCU spoke about key issues, future plans to promote research and industry interface, multidisciplinary teamwork and strengthening collaborations with foreign universities in an interaction with Ms Rekha Mathur, Sr Editor, NCU.

Sir, what are the key issues before NCU?

We are now in an era of rapidly changing technologies and employability requirements where sound domain knowledge alone is no longer sufficient to ensure good placements for students. In addition to technical proficiency employers are now increasingly looking for skills like creative thinking, problem solving, team work, communication and ability for lifelong learning as well as a positive attitude towards work. The traditional curricula with emphasis on high content of core subjects and teaching methodology limited to classrooms is no longer quite relevant as many of the desired skills are developed outside the classroom. Therefore, an approach to integrate classroom and beyond classroom learning in terms of creative project work, extra and co-curricular activities, industry immersion programmes, social outreach activities etc., into the curriculum is essential. The teaching pedagogy and evaluation process also needs to be aligned to these requirements for producing well equipped, industry ready employable graduates.

NCU is fully conscious of these emerging challenges and has taken several steps to meet them to stay ahead of the curve like flexibility to students to choose courses of

their interest, courses in emerging technologies, industry relevant areas of problem solving, contemporary programming techniques and so on. Besides a robust curriculum, the teaching pedagogy and evaluation processes have been reoriented and third party assessment tests started to give students a decisive edge in employability.

What are your future plans to promote research and industry interface at the University?

Teaching & research are the two most important activities for any university and at NCU we are putting a lot of focus on both. In addition to teaching-learning initiatives, promoting research is also a top priority. Although the University is only eight years old, it has been able to achieve a mark of more than 300 quality journals & conference publications per year, an annual average of over two per faculty. The University has over 140 research scholars pursuing PhD programmes. The University has taken several initiatives to improve research outcomes both in numbers and quality. These include offering fellowships to meritorious research scholars, financial support for presenting papers in conferences in India & abroad, encouraging UG & PG students also to work on research oriented problems, sponsoring faculty to IITs/ other premier universities to pursue research programmes, Partnership Agreements with foreign universities for research collaboration, funding of selected research projects under VC's Innovation Fund, regular upgrading of research facilities, inviting experts from IITs/other premier universities to review the research work of our scholars and more.

Regarding industry interface, NCU gives great importance to this activity as this makes significant contribution in making our students industry ready. The University has signed MoUs with a number of well-known industries some of which include Delta Electronics, Exicom Industries, Mitsubishi Electric, Maruti Suzuki Ltd and others. Collaboration covers internships for students and externships for faculty, live

industry projects, guest lectures, campus placements and other industry immersion programmes. All our Departments and School of Professional Attachment are actively involved in academia industry interface. Several more MoUs are in the pipeline, particularly with start-ups which offer a lot of learning opportunities for students.

How do you plan to encourage multidisciplinary teamwork at NCU?

Most of the real life projects require an interdisciplinary approach, therefore both faculty and students are encouraged to work on such projects including major projects in their final year. The Innovation & Incubation Centre has been set up to offer opportunities to work on such multidisciplinary projects. Due weightage is given to such projects through the Best Project Awards and also by funding through the VC's Innovation Fund. The faculty is also motivated to work on multidisciplinary projects which get priority for funding from the Government and other agencies. Faculty is regularly disseminated information about such potential projects by RDIL, a cell at NCU to promote research and to work in groups on such interdisciplinary projects, particularly the ones relevant to society. Due recognition is given to faculty for successfully completing such projects.

How do you propose to enhance benefits of collaboration with foreign universities?

NCU has a number of tie ups with foreign universities including ITB Ireland, Michigan Technological University, Regina University, Canada etc. Many of our students have benefitted from these tie ups, have done their post graduation abroad and found lucrative placements in global iconic companies. It is proposed to further enhance this effort through an international students' relations office for creating better awareness amongst students and guiding them to take benefit of the available opportunities. Further, it is proposed to extend the scope of collaborations to faculty exchange also in terms of research and teaching, as well as curriculum design.

Outreach Activities of Professor Prem Vrat

Pro-Chancellor, Professor of Eminence and Chief Mentor, The NorthCap University



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

- Prof. Prem Vrat was invited as the Chief Guest in PMI India Research and Academic Conference on 'Accelerating Development: Harnessing the power of Project Management' held at IIT Delhi on 2 March 2017.
- Prof. Prem Vrat was invited as the Chief Guest and delivered the inaugural address at the 2nd Industry – Academia Conclave of ICFAI Business School (IBS) on 4 March 2017 at ICFAI Hyderabad Campus.
- Prof. Prem Vrat delivered lectures at IIT Delhi as Honorary Professor 'Supply Chain Management' (SCM) on 10 and 17 March 2017; 'Operations Planning and Control' on 3, 10 and 17 April 2017; 'Operations Research and Industrial Engineering' on 28 July and on all Fridays in August 2017.
- Prof. Prem Vrat attended the PAN IIT meeting as Chairman of the Core Organizing Committee for International Conclave on 'India: Global Destination for Higher Education' at IIT Delhi on 15 March, 3, 11, 17 April and 24 May 2017.
- Prof. Prem Vrat was invited as Chief Guest and delivered the Convocation address at the Annual Convocation Ceremony of Ajay Kumar Garg Engineering College, Ghaziabad on 19 March 2017.
- Prof. Prem Vrat attended the annual convocation ceremony of Management Development Institute (MDI), Gurugram on 24 March 2017 at MDI, Gurugram.
- Prof. Prem Vrat attended the 19th Meeting of the Technology Foresight and Management Forum of INAE at INAE, Gurugram on 30 March 2017.
- Prof. Prem Vrat attended the Annual General Body Meeting (AGM) of members at the India International Centre (IIC), New Delhi on 31 March 2017.
- A luncheon meeting was hosted on 2 April 2017 by Prof. Vinay Kumar Pathak, Vice-Chancellor, Dr APJ Abdul Kalam Technical University (AKTU), Lucknow, formerly UPTU, with all Deans, Pro-VCs and Controller of Examinations in honour of Prof. Prem Vrat, Former Vice-Chancellor, UPTU. Prof. Pathak also took him around the new campus of the University which was planned during his tenure as VC.
- Prof. Prem Vrat chaired the meeting of the Standing Hearing Committee of the AICTE on 3rd April 2017 at AICTE Head Quarter, for approval of colleges by AICTE.
- Prof. Prem Vrat chaired the meeting of the Standing Appellate Committee/SAC Review of the AICTE from 21-24 April and 30 April 2017 at AICTE, for approval of colleges by AICTE.
- Prof. Prem Vrat attended the meeting of SRESHTHA (Special Railway Establishment for Strategic Technology and Holistic Advancement) in Railways at NITI Aayog on 26 April 2017 under the Chairmanship of Dr VK Saraswat, Member NITI Aayog to interact with the team from Monash University, Australia for preparing its DPR.
- Prof. Prem Vrat, met the Hon'ble HRD Minister Shri Prakash Javadekar at Shastri Bhawan on 2 May 2017 to invite him to be the Chief Guest at the inauguration of the one day International Conclave on 'India: A Global Destination for Higher Education' held at Hotel Ashoka, New Delhi on 10 June 2017.
- Prof. Prem Vrat attended the 11th Meeting of Management Evaluation and Accreditation Committee (MEAC) of National Board of Accreditation (NBA) on 5 May 2017 at NBA, New Delhi.
- A well-known literary organization of Gurugram District 'Suruchi Sahitya Kala Pariwar' organized a function at CCA School auditorium to release the autobiography of Prof. DR Agarwal on 14 May 2017. Prof. Prem Vrat was the Chief Guest at the occasion.
- Prof. Prem Vrat was chosen by IIT Kharagpur to evaluate the nominees for the Distinguished Alumni Award for 2017 under the academic category of nominations.
- Prof. Prem Vrat was a Special Guest at the 5th International SPICMACAY Convention on the occasion of its 40th Anniversary, held at IIT Delhi on 5 June 2017. The inaugural function was addressed by the Prime Minister through video conferencing.
- Prof. Prem Vrat presented a Theme Paper on 'India: The Global Destination for Higher Education' at the inaugural session of the International Conclave on 10 June 2017 at Hotel Ashok, New Delhi. HRD Minister, Shri Prakash Javadekar delivered the inaugural address via video conferencing. Minister of State, Dr MN Pandey; Director, IIT Kharagpur; Secretary, Higher Education, MHRD were the Guests of Honour at the inaugural session. Prof. Prem Vrat also chaired the 4th Session on 'Road Ahead' with Addl. Secretary-Tech Education, MHRD, Shri R Gopalakrishnan, Former Director, Tata Sons; Prof. PB Sharma, Former VC, DTU and Prof. G Raghuram, Director, IIM Bangalore as panellists.

- ❑ Prof. Prem Vrat delivered a lecture on Materials Management in the Management Development Programme (MDP) by SIDBI at the Department of Management Studies, IIT Delhi on 16 June 2017.
- ❑ Prof. Prem Vrat attended the faculty selection committee meeting at MDI, Gurugram as subject expert in Operations Management on 29 June 2017.
- ❑ Prof. Prem Vrat participated in the SIDBI MDP faculty and participants' get-together at a luncheon at IIT Delhi on 1 July 2017.
- ❑ Prof. Prem Vrat was invited as the Chief Guest in the FDP on 'Human Values and Professional Ethics' organized by Noida Institute of Engineering & Technology at NIET, Greater Noida Campus on 4 July 2017.
- ❑ Prof. Prem Vrat attended the Annual General Body (AGM) meeting of IIT Kharagpur Alumni Association at IIT Delhi on 8 July 2017.
- ❑ Prof. Prem Vrat was the Chief Guest on the 'Accolades Day' on 15 July 2017 at The Mother's International School, New Delhi. He presented awards to outstanding students and faculty and his inspirational speech was appreciated by all.
- ❑ Prof. Prem Vrat was invited as the Chief Guest to deliver the '24th Dr S P Luthra Memorial Lecture' on 27 July 2017 at The Institution of Engineers (India), Delhi State Centre and gave the Balgulsan Awards to outstanding performers. On the occasion Prof. Prem Vrat was felicitated by the Institution of Engineers (India), with a shawl and plaque on entering the 50th Year of Engineering Academics.
- ❑ Prof. Prem Vrat attended the 20th Meeting of the Technology Foresight and Management Forum of INAE on 31 July 2017 at INAE Headquarter, Gurugram, Haryana.
- ❑ Prof. Prem Vrat participated in 8th Indian Management Conclave 2017 on the theme 'MBA Curriculum for New Era' organized by MBA Universe at IIM Lucknow Noida Campus at Greater Noida on 4 and 5 August 2017.
- ❑ Prof. Prem Vrat attended the INAE Youth Conclave organized by the Birla Institute of Scientific Research (BISR), at BISR, Jaipur from 11-12 August 2017 and delivered a lecture in the first session with the Directors of IIT Kharagpur and Kanpur.
- ❑ Prof. Prem Vrat attended the 24th Meeting of the Executive Council of YMCA University of Science and Technology, as a Member of the Executive Council at YMCA University of Science and Technology, Faridabad on 21 August 2017.

Outreach Activities of Director SOET, Professor Ravindra Ojha



*Prof. Ravindra Ojha,
Director
School of Engineering
& Technology*

Prof. Ravindra Ojha was invited to attend the Deans Summit at Deloitte, Hyderabad from 13-14 April 2017. It not only provided a good connect with academic leaders but also gave an effective feel of disruptive teaching-learning process in store for us in the future. Some of the learnings from the summit were: expectations from millennials/GenZ and sustainability of education for societal growth. It was excellent exposure in sharing our breakthrough theme 'Dream industry engagement for employability enhancement'.

- ❑ Prof. Ravindra Ojha interacted with the Managing Director, Mr Vinod Hans and the HR team of M/s Federal Mogul, Powertrain, Gurugram on 21 August 2017 and explored the following areas for future engagement:
 - Internship of final year students followed with the defined major project
 - Expert sessions in the areas of sintering and other manufacturing processes
 - Modular programmes for ITI / Diploma employees for upgradation
 - Short term joint workshops at NCU for external and internal participants
 - To set-up Center-of-Excellence (COE) with the support of M/s Federal Mogul
- Campus interviews for Final year students to be taken as GETs (MED2017V015)
- ❑ Prof. Ravindra Ojha visited the ASQ office Delhi on 25 August 2017 to evolve the framework of an Executive Development Programme on 'Operational Excellence' at NCU. He had a discussion with industry stalwarts Dr K Kumar, Former Director MACE, Mr KC Mehra, Former CEO Tata, Mr Amit Chatterjee, MD, ASQ and Mr Ciby James, Director ASQ. This Executive Development Programme would be for tier 1 suppliers in the industry covering topical areas like Lean, Quality and Supply Chain.

Outreach Activities of Brig. S K Sharma (Retd.)

Pro Vice-Chancellor & Senior Professor, The NorthCap University



Brig. SK Sharma
Former Pro Vice-Chancellor
and Senior Professor

- Pro Vice-Chancellor accompanied by Director, SPA were invited by Fidelity International for an interaction with Mr Babu Thiagrajan, Head of Technology, Fidelity India on 7 April 2017. Fidelity International is already a strong partner for our placements and this visit further cemented the ties. Pro Vice-Chancellor interacted with NCU students placed there. He suggested Fidelity to provide live projects for our major projects and also consider hiring from our BCom/MBA streams as support to their investment teams.
- Pro Vice-Chancellor attended the 2nd NIRF award Ceremony held at the Cultural Centre Auditorium, Rashtrapati Bhavan, New Delhi on 10 April 2017 where the Hon'ble President gave away awards to top ranking HEIs.
- Brig. SK Sharma (Retd) attended the two day 'National Convention on Digital Initiatives on Higher Education' from 9-10 July 2017 at Vigyan Bhawan, New Delhi. Three major initiatives in digitally delivered education i.e. SWAYAM, SWAYAM PRABHA and the National Academic Depository (NAD) were launched.

Swayam is a Free Online Education Portal which is currently offering 323 courses and can be accessed at swayam.gov.in. Swayam Prabha is the DTH version of Swayam, delivering courses through 32 Television Channels. NAD which
- NCU has adopted from 2017-18 onwards provides a 'Digital Locker' to each student where all his/her academic records will be held in safety and available for downloading. Students will not have to carry their important documents around.
- During the National Convention the Pro Vice-Chancellor delivered a presentation on NCU's Digital Initiatives to the Vice-Chancellors of private universities in the presence of the Hon'ble Minister HRD, Chairman UGC and Secretary MHRD. NCU's presentation on Digital Initiatives was one of ten selected Pan India for delivering during the National Convention.
- Brig SK Sharma (Retd) attended the Annual General Meeting of IIT Kharagpur Alumni Association on 8 July 2017 and was elected Vice-President for a term of 2 years for the Delhi Chapter.



News and Events

Partnership Agreement between The NorthCap University & the University of Dayton, Ohio, USA



The NorthCap University signed a Partnership Agreement with the University of Dayton, Ohio, USA on 15 May 2017. Both the universities have agreed to undertake joint collaborative research, students and faculty exchange. Under this agreement students of one university can get admission to undergraduate and graduate programmes in the other university.

The Agreement was signed by Dr Paul H Benson, Provost, Dayton University, USA and Pro Vice-Chancellor Brig. S K Sharma (Retd), for a period of five years. As the relationship grows, we can undertake joint research particularly in the fields of Computer Science and Engineering & Electronics and Communication Engineering.

Automatic Weathering Station at NCU

Indian Meteorological Department (IMD), Govt of India, has approved the installation of an 'Automatic Weathering Station' (AWS) on the campus of The NorthCap University. AWS is an automated type of weathering station which records real time data about weather parameters like rainfall, humidity, sea level pressure, wind speed, wind direction, maximum and minimum temperature. Prof. Pramila Goyal, Distinguished Professor Emeritus, NCU says, "There is a deficit in real time weathering data collection in our region, and the data obtained from AWS will be very useful for effectively monitoring and recording

Incubation Centre established at the University



The University inaugurated a new start-up incubation platform at the University on 26 April 2017. The Centre was inaugurated by the Pro-Chancellor, Prof. Prem Vrat, Mrs Snehlata Jhamb and Mr Mayur Jain. The event was graced by the presence of the Pro Vice-Chancellor, Brig SK Sharma (Retd), Prof. Ravindra Ojha, Director, School of Engineering & Technology, Mr BK Gupta, Director, School of Professional Attachment and Registrar, Col Bikram Mohanty (Retd).

The Centre's chief objective is to help create an environment for research and innovation, including software products and apps followed by incubation for commercialization. The Incubation

Centre aims at helping young minds to transform their innovative ideas into viable business propositions, a platform facilitating a budding entrepreneur to start a business venture with minimum risks. Incubates will have access to technological assistance which will be generated through mentors with multidisciplinary expertise.

The Incubation Centre is an initiative of some of NCU alumni, Mr Kashish Jhamb, Founder Managing Director of City Innovates Pvt Ltd, Gurugram and Mr Mayur Jain. The faculty coordinators of the Incubation Centre are Ms Supriya Raheja, Dept of CSE&IT and Ms Charu Rana, Dept of EECE.

weathering parameters for research works related to environment assessment suitable for BTech, MTech, and PhD students. Rainfall data obtained from the AWS will also be useful for regional farmers."

Mr Sanjeev Tyagi, IMD visited NCU campus on 12 May 2017 and investigated a number of suitable sites for installation of AWS and proposed a suitable site in the workshop area. Mr Sanjeev Tyagi said, "Govt. of India is focused on transition of weathering stations from manual to automatic due to its high range applicability. Currently there are 675 AWS installed in India and nearly every district in

India has been installed with an AWS." He has affirmed that AWS equipment is likely to be installed at NCU shortly. Mr Tyagi also explained to the faculties of the Dept of CEE the detailed methodology of processing data parameters obtained from AWS. The general public can also access the data from any AWS station in India through the IMD website.



National Conference on Advances in Metrology

N^{CU} & Metrology Society of India (Northern Region) jointly organized the 5th National Conference on Advances in Metrology (AdMet-2017) from 23-25 March 2017. The conference was organized in association with the National Physical Laboratory (NPL), New Delhi and Metrology Society of India (HQ) and was financially supported by Council of Scientific and Industrial Research (CSIR). Metrology is the science of precision measurements and the focal theme of the conference was: Reference Materials, Sensors and Measurement Techniques for Precision Industrial Metrology. The inaugural address was delivered by Prof. Krishan Lal, Co-Chair, InterAcademy Panel on Sciences and Former President, INSA, and Former Director, NPL on the topic, 'Precision Measurements – A Key to Progress in Science'. Prof. Krishan Lal presented an illuminating talk elaborating how enhancement of measurement precisions has always resulted not only in the economic progress of the society but also has resulted in



discovery of new science. Earlier Prof. A Sen Gupta, President, Metrology Society of India (MSI) and Conference Chair spoke about the activities of the MSI and its importance to society at large. Prof. Prem Vrat, Pro-Chancellor, congratulated the organizers for organizing the conference on an important topic which has special relevance to mechanical industries. The conference was organized by the Department of Applied Sciences with Prof. SK Jain as Convenor. The conference was also graced by the

presence of Prof. ESR Gopal, SS Bhatnagar Awardee, Former Director, National Physical Laboratory and Emeritus Professor, Indian Institute of Science Bangalore,

More than a hundred registered participants from all over India, from research institutes/ organizations, Quality Calibration and Testing Centres, industries attended the conference. About 80 original research papers including plenary and invited talks were presented in nine oral and three poster sessions.

National Academic Depository Students can now directly access their Degrees & Mark Sheets

The Ministry of Human Resource Development (MHRD) and University Grants Commission (UGC) set up a National Academic Depository (NAD) which facilitates academic institutions to digitally secure and quickly upload students' academic awards on the authorized depository portal which is then transferred into the digital locker assigned to a student upon registration with NAD and accessible by him 24x7 using his UID Aadhaar number or a NAD ID. The student can also print his academic awards or authorize any employer/verification agency to verify his certificates. This would eliminate the need for a student to carry his certificates on person and by chance misplace them or the need to

submit attested photocopies of his/her certificates for verification as all awards would be available on-line.

To create awareness about NAD and Digital Academic Certificates, UGC conducted a workshop for all Central, State, Private, Deemed Universities and standalone academic institutions located in Delhi, Punjab, Haryana, Himachal Pradesh, J&K and Rajasthan on 23 June 2017 which was attended by Wg Cdr Manohar Vasudev (Retd), Controller of Examinations. The meeting was chaired by Dr Nisar Ahmed Mir, Joint Secretary, UGC. Universities were advised to enter into a Service Level Agreement with one of the two approved Mumbai based Depository Companies viz. NSDL or

CSDL and upload student's Academic Awards from academic session 2017-2018. The Depository Company representatives also dwelt on the process of uploading Academic Awards and the responsibility matrix between the institution and the Depository Company. MHRD has directed that the services of the Depository Company would be free of cost up to 30 Sep 2019 for academic institutions and up to the age of 27 for students. The workshop ended with an interactive session and the initiative was lauded by all.

India International Education Conclave

Institute of Counsellor Training Research and Consultancy (ICTRC), New Delhi, conducted India International Education Conclave on 'Student Discipline – New Challenges' on 22 Feb 2017, which was attended by the Pro-Chancellor, Prof. Prem Vrat and Registrar, Col Bikram Mohanty (Retd). The Conclave was chaired by Dr VS Ravindran, Director General ICTRC, Prof. Vidhu Mohan, Prof. of Psychology, Punjab University Chandigarh and Prof. Saraswat of IIT Delhi. The objective of the conclave was to provide Higher Education Leadership an opportunity to interact with renowned experts and researchers from the field of Psychology and equip them with the necessary knowledge, skills and attitude which are simple to adopt in every day practice and easily transferable to teachers and students.

SOL participates in World Conference on Environment-2017

The National Green Tribunal, the highest Court of Environment in India, along with United Nations Environment Program (UNEP), Ministry of Environment, Forest and Climate Change, Ministry of Water Resources, River Development and Ganga Rejuvenation, Asian Development Bank and Delhi Pollution Control Committee organized the 'World Conference on Environment-2017' in New Delhi from 25-26 March 2017. 30 students from the School of Law were a part of the organizing committee and got an opportunity to work with members of the NGT and also a chance to interact with eminent speakers from the Ministry, Judicial Authorities, Chief Justices of various nations and other international delegates.

The conference was spread over 10

Technical Sessions, each chaired by a Judge of the Supreme Court of India. The faculty and students from School of Law were nominated in the rapporteur team for various technical sessions and for formulating the final report of the conference.

The conference was inaugurated by The President of India, Shri Pranab Mukherjee. Speaking at the occasion, the President welcomed the fact that conservation has now become inclusive and participatory. He focused on the fact that children are the worst sufferers of environmental degradation and expressed happiness that over the past decade, consciousness about environmental concerns has grown and also resulted in action on part of governments throughout the world.

Celebration of Earth Hour–2017

Earth hour is the world's largest Environmental grassroots movement in history, connecting hundreds of millions of people all over the planet. Scientists believe that a two degree rise in the temperature can have very serious consequences for our planet. 195 countries have agreed to reach the greenhouse gas emissions neutrality in the second half of the century, to stay below the two degree Celsius.

In this regard the University has already instituted a 150 KW Solar Power Station for use as alternative means to save electricity. The University decided to switch off lights from 8:30 pm to 9:30 pm on 25 March 2017 and appealed to the public to also join and switch off lights from 8:30 – 9:30 pm and be a part of the world's largest voluntary action for the environment.



E-Cell Events

□ Entrepreneurship Cell of NCU invited Mr Zorawer Singh of 'Jugnoo', App based auto rickshaw provider, to share his insights with students of NCU on the 'Journey of Jugnoo' on 28 Feb 2017. It was a stimulating session in which Mr Zorawer spoke about Jugnoo's journey since inception, challenges it faced, its growth and diversification. He shared the business model of 'Jugnoo' and discussed various steps a person should follow when setting up a business. He said, "Following your heart and passion is the key to success, and determination and grit go a long way in helping an

entrepreneur." The session was an invigorating and inspiring one and it served well in charging up the inquisitive students. Subsequently a one hour mentoring session followed for potential NCU preneurs.

The E-Cell event was coordinated by students Tarita Sahdev (ME), Harshit Goel (CSE), Pankaj Kaushik (ME), Shivam Panwar (MBA), Abhishek Chaudhary (MBA) Raminder Singh (CSE) and faculty coordinators Dr Kavita Khanna, Mr Mohit Kataria, Ms Charu Rana, Mr Bilal Ahmed and Dr Sushmita Waraich helped the

students gain valuable insights through this initiative.

□ The E-Cell organised 'EntreThrust' in which the PowerPoint Impact competition was an attraction, on 31 March 2017. The objective of this competition was to allow participants to stretch their imagination. Participants from different departments were allowed to come up with their best, on the spot views on PPTs, without being restrained by any boundaries. The winners were Arjun Rishi and Aarushi Gilotra (BBA, 2nd Sem).

Fulbright Fellowships

An information session on Fulbright Fellowships was organized on 8 March 2017 at United States-India Educational Foundation (USIEF), New Delhi. It was attended by Prof. A K Yadav, a Fulbright Campus Representative (FCR) at NCU. The aim of the session was to publicize and disseminate information on Fulbright Fellowships among Universities in Delhi-NCR.

The session included an introduction and overview of USIEF activities, followed by details of 2018-2019 Fulbright-Nehru and other Fulbright Fellowships. Dr Girish Kaul, Senior Program Officer, USIEF on Fulbright Senior Specialist Program spoke on the opportunity to host a US scholar at the campus. Two Fulbrighters from Delhi University shared their personal experiences with the participants.

You can access Fulbright Fellowship at <http://www.usief.org.in/Fellowships.aspx?id=fellowships>

International Women's Day Celebrations

To celebrate the spirit of women empowerment, on International Women's Day, the University organized a panel discussion on 'Gender Equality and Women Empowerment' in collaboration with Brahma Kumaris and Gurugram Police on 11 March 2017 at NCU campus. The event was organized in continuation to the joint campaign titled 'Sashakt Neev' on Gender Equality, Women respect and Empowerment led by Brahma Kumaris and Gurugram Police. The aim of the panel discussion was to bring social awareness about such issues and to give a push to people for changing their mindsets. The change needs to happen right from childhood in our educational institutions so as to develop right attitudes in students. Therefore, the faculty and staff should have right understanding of such issues so that they can impart the same to their students.

Mr Sumit Kumar, DCP West Gurugram, Gurugram Police, Dr Suresh K Verma,

Expert lecture

The Dept of ME and the Dept of EECE jointly organized an expert lecture on today's highly demanding topic of 'Industry Automation and Programmable Logic Controller' by industry expert Ms Ripanjeet Kaur, Senior Engineer, Mitsubishi Electric India Private Ltd, Gurugram on 17 March 2017. The expert lecture was attended by ECE and ME industry automation, latest trends in automation industry, Programmable Logic Controller PLC, PLC programming and hardware-software interfacing and Controller designing.

Ms Ripanjeet also highlighted the type of work and research that was being done at Mitsubishi Electric at its various plants located worldwide. The future development needed in the area of automation and PLC was discussed by Ms Ripanjeet followed by an interactive session wherein students actively participated in clarifying their doubts. The talk was coordinated by Dr Shiv Manjaree Gopaliya, Dept of ME, Dr Anjali Garg and Ms Shaveta Arora, Dept of EECE.



Professor, Mass Communications, Jamia Millia Islamia University, Dr Sujatha Sharma, Clinical Psychologist and Sister Urmil, Director Rajyoga Center- Brahma Kumaris formed the panel. The discussion was on important issues like women empowerment, gender sensitization, prevailing laws, role of media, breaking stereotypes, changing mindsets of men, women and society, creating safer workplaces free of any

harassment, spiritual perspective and ways to create a harmonious existence focusing on gender equality. The panel shared their viewpoints and real life scenarios on the issues based on their experiences. Pro-Chancellor, Prof. Prem Vrat also stressed on Gender Equality and Women Empowerment. The event was coordinated by Dy Manager, (HR) Ms Deepika Deswal.

Merit Certificate and Scholarship Distribution Ceremony



To promote excellence in academics and to recognize outperformers, scoring a CGPA of 9.5 and above, NCU distributed cash awards to its undergraduate and postgraduate students for Semester Results-December 2016 in Engineering, Management and Law on 24 April 2017. 83 meritorious students from different disciplines were given cash awards including 56 students from BTech, 2 from BSc Maths (Hons), 7 from BCom (Hons), 5 from BBA, 8 from BBA-LLB (Hons), 4 from MTech and 3 from MBA. The Pro Vice-Chancellor, Brig. SK Sharma (Retd) presented the Merit cash awards.

Technovation 2017

The School of Engineering and Technology (SOET) organized Technovation – The Annual Project Day on 21 April 2017 to provide students a platform to showcase their innovative ideas in the form of projects. During the event, 55 students of BTech Final Year showcased their innovation through 20 major projects. The event was graced by the presence of eminent educationists including Prof. KL Chopra, former Director IIT Kharagpur; Prof. Kehar Singh, Hon. Distinguished Research Professor, Dr CR Prasad, Chairman & Managing Director, Everest Power Pvt

Ltd, Prof. Amitava Sen Gupta, Mentor, RDIL, Pro Vice-Chancellor, Brig SK Sharma, Prof. Ravindra Ojha, Director, SOET. The visitors were impressed by the passion of the students, the quality of the engineering ideas and the socially-relevant projects displayed. They appreciated the level of projects and talent of the students at NCU. They also provided suggestions for improvement in terms of funding the projects, consider extra credits to students involved in hardware related projects and encouragement for scalability, saleability and indigenization of parts.



Virtual Labs

NCU is a Nodal Centre for Virtual Labs Project of IIT Delhi since Sept 2010. An Expert Team of Virtual Labs Project from IIT Delhi conducted a workshop on Virtual Labs and Practices for BTech 2nd Year students of Electronics & Communication Engineering, Computer Science & Engineering, Mechanical Engineering and Civil Engineering on 2 March 2017. A total of 243 students attended the sessions. The experts explained about the Virtual Labs Project, an initiative of MHRD under the Mission of ICT, GOI. In the workshop, Basic Electronics, Communications, Image Processing, Data Structures, Problem Solving, Computer Programming, Physical Science, Chemical Science, Surveying, Metal Forming, Production Shop, Vibrations, FAB, etc. labs were demonstrated to the students and faculty of NCU.



Visit of Chief Justice, Third Environment Court, Valdivia, Chile

The School of Law organised a visit by Dr Micheal Hantke, Chief Justice, Third Environment Court, Valdivia, Chile, on 28 March 2017. He was accompanied by Professor Stephen Stec, Professor, Central European University. Justice Micheal Hantke addressed the students on practical issues about the relationship of justice delivery and economics. He said, “We live in an imperfect world and life is more complex than the theory of economics. Specialised tribunals should focus on merit review of cases rather than judicial review. A judge while delivering judgements has not only to interpret the law in the right direction but also has to access the impact of the decision.” Justice Hantke discussed real life cases from his bench for clarity and basis of decision making. He was of the view that a holistic approach is the requirement of the day.



Spoken Tutorial with IIT Bombay

The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, Perl, Ruby, OScad, PHP & MySQL, Java, C/C++, LibreOffice etc. via an easy video tool. The students of the Dept of EECE (2nd, 4th and 6th Sem) enrolled for C++, Java and Latex and CSE (2nd, 4th and 6th Sem) enrolled for Advance C/C++/CPP, Ruby, Python and PHP, Python and PHP. Students of Dept of CEE enrolled for Inkspace.

The workshops and online tests of these subjects were conducted in the Department of CSE and the workshops from 24-29 April for ECE and CEE students. The faculty coordinator for the whole process was Ms Pooja Sabherwal.



NCU's Marketing & Admission Team

- A session was conducted by Mr Murlidharan, Director, Marketing & Communications and his team at Patna on 16 April 2017. More than 150 class XII students from science and commerce looking for good institutions for graduation attended the session. They were briefed about the importance of the ecosystem and parameters of a good university.
- Another session was taken at Ranchi which was attended by more than 150 students. The Marketing & Admission team comprises of Mr Shankar Muralidharan, Director, Marketing & Communications, Ms Vakya Gosungari, General Manager, Operations, Ms Anju Jayraj, General Manager, Marketing and Ms Sonal Arora, General Manager, Sales.
- In April and May, on weekends, the Marketing and Admission Team of NCU conducted career guidance seminars for 40-50 students along with their parents at the NCU campus.
- The Marketing & Admissions Team organized a lecture by Mr Bijoy Veer Suri, an MBA from the Indian School of Business, Hyderabad for NCU students of final year BCom (Hons), BBA, BSc Economics (Hons) on 1 May 2017. Mr Bijoy spoke about various career options after graduation, networking opportunities, and even how to seek VC funding etc. He also assured support in terms of internships and placements.
- Seminars at external venues were conducted at Dwarka and GK II on 7 May and Laxmi Nagar on 14 May 2017. Each session was attended by a number of UG and MBA aspirants. Students for UG studies were given interesting talks on 'Careers after Class XII' and Management aspirants about 'Any MBA v/s the next gen MBA' and 'Importance of an entrepreneurial ecosystem' followed by interactive sessions.
- A seminar on 'Need for a one year full time PGDM', its curriculum, importance of ecosystem & networking etc was conducted on 11 June 2017 at NCU. The speakers Dr Narasimhan, Dean, SOM; Mr Shankar Muralidharan, Director - Marketing & Communication; NCU alumnus Mr Ashish Sapra (Class of 2012), Strategy Consultant and alumnus of ISB Hyderabad; Mr Rajshekhar, Strategy Consultant, Mahindra Comviva (a BITS Pilani and IIM Ahmedabad alumnus) and Mr Bejoy Suri (alumnus of ISB Hyderabad) actively networked with the audience. Mr Kashish Jhamb, Dept of EECE, was also present in the audience and networked with them.

The audience included experienced professionals looking at retooling their corporate careers with some additional skill sets to help them move to the next level in the world of management, entrepreneurship & leadership.

- Students from our founding batch of PGDM (Class of 2017) also spoke about how the programme transformed them to be more humble, vision oriented and how the pedagogy and faculty interactions will now help them face mid & senior level corporate challenges with confidence.

On 4 June 2017 a Group Counselling session was organized at Hyderabad.

Career Counselling

A Career Counselling session was organised by NCU at The Maurya School, Gurugram on 25 April 2017 for students of classes 9-12. The session was on 'Career Options in Engineering, Management and Law' and was delivered by Ms Jyotsna Singh, Dr Ashwini Sharma, Dr Anjali Garg and Mr Shankar Murlidharan. The session was attended by around 120 students and senior faculty members of the School. Various career options with their pros and cons as well as basic requirements were shared with the students to help them get a good insight while selecting Engineering, Management, Law and other courses as career options. The students were also invited to visit the NCU campus and see the facilities offered by the University.

New Programmes introduced

In keeping with our strategy to add programmes to our existing offerings, the University has added four programmes this year to commence in July 2017.

The programmes are BSc (H) Physics; Executive PGDM in Digital Marketing and Ecommerce, Executive PGDM in Business Analytics, and Bachelor of Fine Arts in Animation and Visual Effects.

Both the PGDM programmes are 15 months each, BFA is a 4 year programme while BSc (H) Physics shall be a 3 year programme. They are expected to attract interest from a wide variety of aspirants.

UGC MOOCs from SWAYAM

NCU is offering UGC MOOCs, the learning resources that can be accessed from anywhere at any time through the SWAYAM platform. All the courses have been prepared by good institutions in the country and are interactive, use audio-video, multi-media and state of the art pedagogy / technology. For the Odd Semester the Elective Courses available from IIT Madras were Vibration of Structures (Civil), Fundamentals of Gas Dynamics (Mechanical), Functional Programming in Haskell (CSE), Computer Architecture (EECE), Introduction to Information Security-1 (SOM).

Installation of Scanning Electron Microscope at the Central Research Facility

Tungsten filament based Scanning Electron Microscope (SEM) was installed at the Central Research Facility, NCU. SEMs have a variety of applications in scientific and industry-related fields, especially where characterization of solid materials is required. In addition to topographical and morphological information, a Scanning Electron Microscope can detect and analyze surface fractures. This instrument is of immense importance to experimentalists working in the area of Materials Science and Thin Films to estimate the shape, size of the particles and surface morphology of films. The representatives of Alfatech Services gave hands on training of SEM to the APS team comprising of Dr Ambika Sharma, Dr Sunita Sharma, Dr Dipti Vaya, Dr Hukum Singh and Dr Pranati Purohit on 4 May 2017. (APS2017O012)

A training programme was organized for faculty and research scholars in the use of various advanced and analytical instruments for research in the University's Central Research Facility (CRF) on 5 August 2017. The session started with an overview of the research facilities available at NCU by Dr Ambika Devi, Head, CRF. The trainees visited CRF where the working of various research instruments like SEM, UV-Vis spectrophotometer, vacuum coating unit, spin coating etc and its applications were demonstrated and explained by Dr Ambika Devi and Dr Sunita Sharma. It was followed by a brain storming session on the usage of the existing facility for interdisciplinary research.



University bids Farewell to its final year students

The University organized a farewell ceremony for the final year students of Engineering, Management and Law on 3 May 2017. The adieu was full of excitement of entering into a new, matured and professional world, but was also mixed with the pain of departing from their batchmates. The event was graced by the presence of the Pro-Chancellor, Prof. Prem Vrat; Pro Vice-Chancellor, Brig SK Sharma (Retd); Registrar, Col Bikram Mohanty (Retd); Director, School of Engineering & Technology, Dean, School of Management, Heads of Departments and faculty members.

Student representatives from different Departments and Schools relived some of their old memories with mixed emotions. The outgoing students also expressed their feelings for their Alma Mater and shared some of their experiences at NCU. The event witnessed dance and song performances by the host students who brought liveliness to the evening. Dressed to the nines, the students were all in high spirits



as they clicked away, capturing moments of joy, laughter and smiles to make the best of the last day as students at the University. The outgoing students were given interesting titles by the pre-final year students as they were called on stage and given mementoes.

Some of the main titles awarded during the evening were:

'Mr Popular' to Ronik Yadav, 'Ms Popular' to Dhruvi Bansal, 'Mr Six Pack' to Akshay Luthra, 'Best Jodi' to Anu Gupta and Akansha Arora, 'Gym Freak' to Deepam Sehrawat, 'Mr Kalakaar' to Ankush Yadav, 'Ms Well Dressed' to Bhavya Passi and 'Mr Well Dressed' to Karan Gambhir.

World Environment Day

The Dept of CEE organized the World Environment day on 5 June 2017 with full enthusiasm and vigour. On this auspicious occasion a pledge was taken by the faculty and staff of the University to reduce, reuse, recycle waste, protect all life forms and conserve the environment. A poster making competition was organized in which the faculty of Dept of CEE and CLL participated and came up with innovative ideas. The event was judged by the Pro Vice-Chancellor, Brig SK Sharma (Retd) and the Best Poster Award was won by the CLL Team.

The session also included the screening of a short film on the environment which highlighted our role in its protection, as engineers.

Delta Cup 2017

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

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



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

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

'Making Education Relevant' discussed by eminent academics

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

The panellists emphasized on the need to improve the quality of faculty and research and to make education more relevant. Role models for universities such as Nalanda University were

recalled and it was felt that great universities have outstanding faculty, liberal funding, freedom and flexibility. The role of human values in education in addition to knowledge and skills was stressed.

Another panel discussion was organized on the topic 'Transition from School to Universities' by EDU TV at DPS, Sector-45, Gurugram on 17 July 2017. Eminent panellists included Prof. Prem Vrat, Pro-Chancellor, NCU; Prof. PB Sharma, VC Amity University, Gurugram; Prof. Kamlesh Mishra, VC Ansal University

and Prof. Satyanarayan, VC, BML Munjal University, Gurugram. The session was moderated by Dr Vinnie Jauhri, Microsoft. Students of DPS interacted with the panellists and participated actively.

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

NCU emphasizes importance of aligning engineering education with business needs



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

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

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

The NorthCap University Testing Centre

The NorthCap University Testing Centre (NCUTC) an entity of NCU established by the Dept of CEE provides professional services to outside customers in the area of mechanical testing of building and construction materials. NCUTC participated in Proficiency Testing (PT) offered by the National Council for Cement and Building Materials (NCB), Ballabgarh, Haryana. A total of 20 labs, all over India, participated in the PT Scheme and the z-score of NCUTC (Lab Code 15) was well below the acceptable limit of 2.0, an indicator of excellent performance.



Orientation 2017

On 22 July 2017, the University conducted the Orientation Programme for the new students admitted to all the three Schools. The event was graced by the presence of the Pro-Chancellor, Prof. Prem Vrat; the Pro Vice-Chancellor, Brig. SK Sharma (Retd); Registrar, Col Bikram Mohanty (Retd), Directors of Schools, Heads of Departments along with faculty members and staff of the University. The programme started with lamp lighting and Saraswati Vandana. After the welcome address by Dr Payal Khurana, Prof. Prem Vrat addressed the students and motivated them about the importance of education and hard work. Brig Sharma talked about student activities at NCU, the infrastructure and facilities offered by the University. Col Mohanty briefed the students about discipline and anti-ragging

measures. The briefing to the students continued with examinations, evaluation/grading system, placements, psychological counselling etc. by respective Functional Heads. The Departments guided the students to the various facilities in the University and the respective departments. The students familiarized themselves with the University by a walkthrough. It was a day of excitement for the new students as they entered the world of higher learning. Expectedly, the students had mixed emotions of anxiety, with lots of excitement and expectations. The University warmly welcomes the fresh batch of students and wishes them all the best during their stay at the University. The event was coordinated by Dr Kalika Srivastava, Dept of APS, Dr Divyabha Vashisth, CLL and Ms Kiran Mrig.



University Pledges to remain Ragging Free

The University held its Anti-Ragging Committee meeting on 20 July 2017 under the Chairmanship of the Vice-Chancellor, Brig S K Sharma (Retd). The Committee had a wide representation with members from the University's Administration, Faculty, Hostel Wardens, Local Police Station, Parents, members from the Press and local NGOs. The VC congratulated all the members present on the unblemished record of zero incident of ragging since its inception and reiterated the University's resolve to remain free from the ugly menace of ragging. He informed all members that Anti Ragging squads from amongst Faculty, Administration and Technical staff members had been constituted and duly briefed on what constitutes ragging, with a vigil to be mounted to ensure meticulous implementation of anti-ragging measures and redressal mechanism in case the need arises.



The Vice-Chancellor, Brig SK Sharma (Retd) informed the members that Student Anti-Ragging Counsellors from across all Programmes at the University had been appointed to help act as an interface between the freshers and existing students and ensure no harassment is meted to them. The local Police representative was requested to depute a beat constable

especially in the evening after classes to obviate any scope of indulgence in ragging by senior students.

Farewell to Brig. SK Sharma (Retd)

A farewell function was organized on 11 August 2017 to bid farewell to Brig. SK Sharma (Retd) who superannuated from the post of Pro Vice-Chancellor of the University at the age of 70 years on 15 August 2017. He served the University in various capacities for eight years - Registrar from June 2009 to August 2014, Professor and Advisor to the Governing Body till May 2015 and thereafter as the Pro Vice-Chancellor & Officiating Vice-Chancellor of The NorthCap University. Brig. SK Sharma (Retd) was instrumental in establishing systems and procedures in the University ever since it attained the status of a University in 2009. He oversaw the successful completion of all actions pertaining to the rebranding of the University from ITM University, Gurgaon to The NorthCap University, Gurugram. Today, that the University is on a sound footing, much credit goes to his hard work and toil.

Speaking at the occasion the Registrar eulogized the achievements of Brig. Sharma and his methodical and unrelentless drive for excellence in every sphere and activity at NCU. Prof. Ojha, Director, SOET; Prof. Swaran Ahuja,

Head, Dept of EECE & Dean Academics; Mr BK Gupta, Director, SPA; Ms Deepika Deswal, Dy Manager (HR) and Prof. Kalika Srivastava, Dept of APS spoke about Brig. Sharma's way of functioning and as a person who was easily approachable at any time.

Mr V Daulat Singh, Hon'ble Chancellor, recalled that in 2009 he had come to know of Brig. Sharma through one of his colleagues. He appreciated Brig. Sharma's immense contribution to the University and invited him to visit NCU whenever possible and continue his association with the University.

Thanking everyone Brig. Sharma said, "These eight years have been very eventful for the University and we all played our part in its consolidation. I thank each one of you for the unstinting support given to me during this period." He advised everyone to put in their best and strive towards excellence in all that they do.

Hon'ble GB members, Mr Avdhesh Mishra and Mr Shiv Saran Mehra presented a memento to Brig Sharma as a token of remembrance. The meeting was followed by high tea for all.



Science Academies' Summer Fellowship Programme at NCU

The three science academies in India viz., the Indian Academy of Sciences, Bengaluru; Indian National Science Academy, New Delhi and The National Academy of Sciences jointly award several prestigious Summer Research Fellowships (SRF) to science and engineering students and teachers to work on short-term projects with the 'Academy Fellows' during two months every year, since 2007. Student Biswadeep Chakraborty, Jadavpur University came to NCU under the special SRF scheme and worked at The NorthCap University (NCU), Gurugram under Dr Amitava Sen Gupta, Honorary

Distinguished Research Professor, NCU from 15 May to 8 July 2017.

Biswadeep Chakraborty's work comprised of a technique of locating the shooter using wireless sensor networks. This is a theoretical simulation study to be followed up with some experimentation once the WSN experiments get going. Faculty member Ms Kusum Grewal, Dept of EECE, NCU mentored Biswadeep for technical knowledge sharing regarding wireless sensor networks and its implementation using MATLAB simulator.

ASQ-NCU Chapter Chair participates in ASQ Symposium 2017

Shringa Vatas, Chapter Chair of ASQ-NCU Chapter 2017 was appointed Student Deputy, NextGen, Quality Management Division, ASQ Global. This position aims at connecting students with quality leaders of today to get quality leaders of tomorrow. Under this position Shringa and Ms Stephanie Thompson, Chair, NextGen were invited by ASQ, Ahmedabad to attend a series of events at Vadodara, Gandhinagar and Rajkot from 17-20 August 2017. Shringa shared her ideas and viewpoints in the ASQ Symposium 2017 and was invited to attend the International ASQ Conference, Ahmedabad in November 2017. Mr Ciby C James, Director, Consulting Services & Community Development, ASQ South Asia appreciated Shringa's efforts to take the movement of ASQ forward both at NCU and the Next Gen platform.



NCU represented at international conference in Montreal, Canada

Student Urvika Gola, CSE 4th Year and Alumnus Mr Pranav Jain, CSE (Class of 2017) got an opportunity to speak at DebConf'17, Debian's Annual Conference at Montreal, Canada from 6-12 August 2017. They spoke about their open source contributions and their work as an Outreachy and GSoC Intern which was appreciated by developers during the DebConf. Both Mr Pranav and Urvika worked under Debian in the Google Summer of Code (GSoC) programme as GSoC Outreachy interns respectively



Orientation FDP for new faculty members

The University organized a Faculty Orientation Programme to interact with all new joiners on one common platform on 9 August 2017. The programme acquainted the new members of the faculty with key aspects of processes at the University and their functioning in various domains. Members were given a warm welcome and were motivated to become effective teachers by Prof. Prem Vrat, Pro-Chancellor and Brig. SK Sharma (Retd), Pro Vice-Chancellor. They shared their valuable insights on the teaching profession citing personal examples and spoke about faculty development, teaching effectiveness and expectations from the new faculty. They stressed that whoever adopts the profession of a teacher assumes the obligation to conduct himself/herself in accordance with the ideals of the profession.

Members were apprised of the key schemes and faculty specific activities



like Mentoring Scheme, Appraisal Process, Outreach Activities, Internships etc. It was followed by an Invited Talk by eminent academic, Prof Ajoy Ghatak who spoke on the topic 'How to make teaching better'. From his vast experience he shared valuable tips with the new faculty and the relevance of using examples, videos, animations etc. to make their lecture interesting and engage students in a better manner.

Key university level activities like: HR policies, ERP, RDIL and online tests were shared. The FDP was well received as vital aspects were addressed from the faculty's point of view. The session concluded with Dy Manager (HR) welcoming the new faculty to the NCU family and wishing them good luck in their future endeavours.

NCU student at ITB, Dublin, Ireland



Antariksh Anand
(13CSU143),
BTech CSE
(Class of 2017).

Student Antariksh Anand (13CSU143), BTech CSE (Class of 2017) is studying MSc in Computing in Applied Cyber Security at the Institute of Technology, Blanchardstown (ITB), Dublin, Ireland, under the Partnership Agreement between The NorthCap University and ITB, Ireland. Under this arrangement he is getting 40% fee concession at ITB. Under the NCU-ITB collaboration, eleven NCU students have earlier studied at ITB, Dublin, under various exchange options.

NCU Alumnus scripts a professional success story



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

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

School of Engineering and Technology

Department of Electrical, Electronics and Communication Engineering

Mitsubishi Electric Cup-2018

An awareness session about the 3rd Mitsubishi Electric Cup-2018 to be held in Pune in February 2018 was conducted by Ms Ripanjeet Kaur, Sr Engineer, Mitsubishi Electric India Pvt Ltd on 23 August 2017 under the collaboration between NCU and Mitsubishi Electric India. Ms Ripanjeet shared the theme of the Cup and the procedure and guidance/support to be provided by Mitsubishi in terms of workshop/training to the short listed students. 3rd Year and 2nd Year EECE and ME students attended the session. It was decided that a preliminary round to select the best two projects for the Mitsubishi Electric Cup-2018 would be held on 28 August 2017 by Dr Anjali Garg, Dr Shaveta Arora and Mr Abhishek.



The session was assisted by two Alumni, Mr Sahil and Mr Karan, ECE (Class of 2016) who secured 5th position in the 1st Mitsubishi Cup held in 2016. They shared their experiences with the students and clarified their doubts regarding the

competition. The session was conducted under the guidance of Prof. Ravindra Ojha, DSOET and coordinated by Dr Anjali Garg and Dr Shaveta Arora. [ECE2017O004]

NITTTR conducts training programme for teachers

The National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh offers Faculty Training Programmes in a wide variety of areas to train teachers, propagate ICT skills and induction training programmes to improve quality of technical education at NCU (Nodal Centre). The Dept of EECE organized a short term course in association with NITTTR Chandigarh on 'Embedded World through ICT' from 21-24 March 2017 at the University. The programme was designed around the following major topics:

- Introduction to Micro-controllers like PIC, AVR, Embedded processor
- Reconfigurable devices like MMX series, MIPS, ARM
- System on Chip

- Applications specific Integrated Circuits,
- Modelling of multi-processor systems
- Applications of embedded system designing includes Wireless Sensor & their networking

The Course upgraded knowledge and programming skills of the faculty, research scholars and technical staff of the Dept of EECE. The course included interfacing of PIC with the real world and the latest trends in embedded systems in IoT and Android Platform used in industrial applications. The training was coordinated by Ms Amanpreet Kaur, Nodal Coordinator, Dept of EECE.

QEEE programme of IIT Madras

Under the QEEE programme of IIT Madras special lectures were held on 18, 20 and 23 Jan 2017 on 'Stability Analysis - Control Systems' for 2nd Year BTech EECE students. 43 students received completion certificates with 42 receiving excellent grades from IIT Madras. The faculty coordinator for the programme was Dr Anjali Garg.



Guest Lectures

- ❑ A guest lecture by Mr LN Visvanathan, Vice President (Production), Exicom Telesystems Pvt Ltd, Gurugram was organized on 27 Feb 2017 on the topic 'Surface Mounted Technologies'. The lecture was attended by 2nd & 3rd Year BTech ECE students. The lecture included career oriented talks, job opportunities for students of Electronics and Communication Engineering and the latest trends in the industry. The lecture was coordinated by Dr Sharda Vashisth and Ms Kusum Grewal Dangi. [ECE2017G003]
- ❑ A lecture on 'Networking and Security' was delivered by Mr Manish Bhardwaj, Network Security Expert from Azure Skynet Solutions Pvt Ltd, Gurugram on 3 August 2017. The lecture was attended by EECE and CSE 2nd and 3rd Year students. The interactive session focused on small projects related to networking, how to implement networking in corporate sectors and how to deal with related security aspects. The students got an idea of security features related to internet browsing, accessing social networking sites, net-banking and other latest trends. Job opportunities for Electronics & Communication and Computer Science Engineering students were also discussed. The lecture was coordinated by Ms Shaveta Arora and Ms Amanpreet Kaur. [ECE2017G005].

Industrial Visits

- ❑ A visit to Milestone Switchgear Pvt Ltd was organized for 6th Sem, BTech EE students on 20 Feb 2017. Practical applications gave students an insight into Switch Gear designing and control panels. The students were given a chance to visit various sections of the industry and explained each and every component of the panels. Having a real life experience of

power boards, control panels, designing etc. allowed students to get a better understanding of these components which they had studied. The visit was coordinated by Dr Anjali Garg and Dr Nitin Malik. [ECE2017V001]

- ❑ A visit to Exicom Telesystems Pvt Ltd, Gurugram was organized for BTech students on 22 March 2017, coordinated by Dr Sharda Vashisth and Dr Rekha Vig. The objective of the trip was to understand about power units used at base stations, assembly line, surface mounted components, wave soldering and also to explore the possibility of summer internship in the company. [ECE2017V002]
- ❑ A visit to Beumer India Ltd, Gurugram was organized for BTech EE 6th Sem and ME 2nd Sem students on 22 April 2017. Students got practical exposure to the products of the company as they were given a chance to visit the entire workshop area. They saw the manufacturing processes and equipment such as fill pack, conveyors etc and clarified their technical doubts. possibility for internships, projects and placements were also explored.

The visit was coordinated by Ms Shaveta Arora and Ms Vandana Khanna. [ECE2017V003]



- ❑ An industrial visit to Logic-Fruits Technologies Gurugram was organized for BTech (ECE), MTech (ECE & VLSI Design), and PhD Scholars on 6 April 2017. The students got an opportunity to interact with its Co-Founder & CEO, Mr Sanjeev Kumar and his team of Managers. They were explained the technology and

products of the company and internship opportunities in the company were explored. Logic-Fruit Technologies is an India based design house having its Headquarters in Gurugram. The visit was coordinated by Dr Neeraj Kr Shukla. [ECE2017V004]

- ❑ Ms Pooja Sabherwal visited Siemens India and Micromax Gurugram on 7 July 2017 to take feedback of students doing internship and to discuss futuristic aspects with the company for guest lectures and further association for joint projects. [ECE2017O002]
- ❑ Ms Amanpreet Kaur visited Binary Semantics Ltd and Bharti Airtel, Gurugram on 13 July 2017 to take feedback of students doing internship and to discuss further association for guest lectures and joint projects. [ECE2017O003]
- ❑ Mr Pankaj Rakheja visited Maruti Suzuki Ltd and Circular Blue Gurugram on 29 June 2017 to take feedback of students doing internship and discussed futuristic aspects with them for guest lectures, internships and joint projects. [ECE2017O003]

Workshop

A workshop on 'Wireless Sensor Networks' was organized for BTech 5th Sem, 7th Sem, and MTech 2nd Sem students on 22 August 2017. The workshop was conducted by Advanced Technologies, Chandigarh. The workshop included hands-on session on wireless sensor nodes and their communication using Zig-Bee. The workshop was helpful to the students for their final year projects and MTech thesis. [ECE2017WO008]

Alumni Interaction

- Mr Navdeep Singh, Electronics & Instrumentation, Class of 2012, Sub-inspector in the Central Industrial Security Force (CISF) under the Ministry of Home Affairs, GOI, interacted with 3rd Year students and motivated them to join the Armed Forces on 18 August 2017. He spoke about various aspects of the CISF and service to the country. The event was coordinated by Ms Amanpreet Kaur. [ECE2017O001]

Orientation Programme

An Orientation Programme for BTech and MTech, 1st Sem students was organized on 22 July 2017. Students were given a brief overview of the Department, Credit Programme details, Outcome based learning, Biometric registration and attendance rules, ERP registration, issuing of library cards, Email and LMS ID generation, VA programmes, professional societies at NCU, departmental magazines, projects and industrial training details. Students were enlightened about the various systems in the Department like Class Counselling, Research groups, Peer-tutor scheme, industry interaction, internships, Co-Cubes test and its preparation and they were encouraged to actively take part in various competitions and contests.

Faculty Achievement



Ms Mona Aggarwal, Assistant Professor, Dept of ECE completed her PhD titled 'Optical Wireless Communication: System Modeling

and Performance Analysis' on 10 March 2017 under the guidance of Dr Parul Garg, Professor, ECE Division, Netaji Subhas Institute of Technology, Dwarka, New Delhi.

An interactive session on the topic 'Electronics Design and Manufacturing - Finding your way' by Alumni Mr Karanpreet Singh (ECE Class of 2007) for ECE 2nd Year, EE 3rd Year and EE 4th Year students was organized on 24 March 2017. Mr Karanpreet is running his own enterprise 'Leaf Bird Electronics' in Delhi since 2012 and is engaged in industrial automation projects and designing MCU based controllers for use with various sensors and other industrial equipments.

Mr Karanpreet Singh spoke about his company and discussed the factors involved in designing an electronic circuit, how and from where to choose

components with the required specifications, PCB designing preferred over bread board simulation, knowing basic knowledge of circuits, reading data sheets, strong in depth knowledge of various controllers, etc. Mr Karanpreet made the session interactive by asking conceptual questions and motivated students to answer by awarding his company's controllers to the one who answered correctly. He also offered to help students in completing their projects. Students discussed various issues related to their projects and found the session very informative. The session was coordinated by Dr Anjali Garg.



Success Story

- Journey from ITM to graduate studies and beyond**



Mr Pulkit Bhatnagar
BTech ECE, Class of 2012,
Apple California

It all started almost a decade ago in 2008 when I joined Institute of Technology & Management (ITM), Gurgaon (now NCU) for undergraduate study in Electronics & Communication Engineering. I got an opportunity to work with STMicroelectronics and Synopsys

after I graduated from ITM. I finally ended up joining the University of California at San Diego to pursue Master's degree in Computer Engineering.

I have recently joined Apple's Silicon Engineering Group and would like to take this opportunity to thank all the faculty and staff at ITMU (now The NorthCap University) for always being supportive and connecting with me even to this day. I would specially like to mention the efforts of Prof. Neeraj Kumar Shukla and the VLSI group at ITM for motivating me and imparting skills needed to explore the field of hardware design.



Shikha Sharma
MTech VLSI
(Class of 2016)
R&D Engineer, Synopsys

I started my career as an intern at Synopsys in September 2016 which got converted into a full time job in August 2017.

My success mantra is 'There is no substitute for hard work.'

I thank faculty members at The NorthCap University for all their support and technical guidance because of which I have been able to achieve this. The thing that inspired me the most was the learning and working environment at the University. Hands-on learning using different tools of Cadence like Virtuoso, Encounter, etc. gave me practical exposure that helped me to learn everything right from the beginning and later while preparing for my interviews.

One important thing I want to mention here for all those who have a high aim in life is that - to get what you want, you need to first plan and manage your time in such a way that you are able to do everything including studies, interview preparation as well as having fun! You will soon notice that this also increases your efficiency.



Mr Himanshu Sharma
MTech VLSI
(Class of 2017)
Application Consultant (I)
in SNPS

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

**Mr Shivam Garg joins
Mentor Graphics**



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

Faculty Development Programme



A six day FDP was organized by the Department on 'New technology areas introduced in course curriculum' from 5-10 June 2017. The objective of the FDP programme was to make faculty aware of developments in new technology areas for enhancing the teaching-learning process like Internet

of Things (IoT), 5th Generation of Mobile Communication, Machine Learning, 3D Printing and Digital Marketing etc.

Emphasis was on hands-on sessions and interdisciplinary talks by industry professionals and senior in-house members, on these topics. The FDP was a good learning experience for faculty members and scholars. It facilitated all to understand the importance of keeping themselves updated about new technology and insights about various aspects of curriculum design and the teaching-learning processes.

Mentor-Mentee Interaction



Prof. Ved Prakash Sandlas
Ex Chief Controller, DRDO

Faculty Mentor Prof. Ved Prakash Sandlas, Ex Chief Controller, DRDO discussed research papers, research proposals and identified new thrust areas with his mentees. Industrial engagements, project funding from external bodies, project guidance to students of Dept of ME for testing their project in TBRL Chandigarh and guidance to research scholars was also discussed.

Student Speak



Ms Neha Yadav
MTech, VLSI
(Class of 2017)

“I am gratified to be a part of Institute of Technology and Management (now NCU Gurugram) as it was an integral part of advancement of my career. I am thankful to all the instructors, colleagues and other resources for fostering me in not only studies but also in my overall growth and development as a postgraduate engineer in the VLSI domain. My postgraduate programme became more interesting and focused with the prospect to work under the supervision of Prof. (Dr) Neeraj Kr Shukla. He gave me various opportunities which helped in my overall development of technical and non-technical skills. With the help of the supportive University I got a chance to hone my skills in my field of choice that is ASIC Verification Field. This has helped me to enhance my technical dexterity as an intern in Intel Corporation.”

Neha is now working at Intel with a salary package of INR 11 LPA.

Externship

□ Ms Charu Rana did a three day externship at FIS Global, Gurugram in March 2017. FIS is the world's largest global provider dedicated to banking and payments technologies headquartered in USA.



Technical Lead Mr Vishal Nagil, (Custom Applications Development) gave Ms Charu an overview about how business consultants handle and implement the project from start to end in which a Project Manager plays a big role in dealing, providing solutions to clients according to their requirements.

A meeting with Cloud Services Manager was held to discuss opportunities in Cloud computing

Digital System Design Laboratory upgraded

The Department has upgraded its Digital System Design Laboratory with Xilinx Vivado EDA Tool Suit and ZedBoard on 24 April 2017. Installation and training sessions were organized for the faculty, technical, research scholars, MTech, and BTech students. The new Vivado editions supply design teams with the tools and methodology needed to leverage C-based design and optimized reuse, IP sub-system reuse, integration automation and accelerated design closure at a high level of abstraction with design reuse feature.

Students Summer Training Programme

The Department organized a four day In-house Summer Training Programme for 1st Year BTech ECE students on 19 May 2017 and from 23 to 25 May 2017. Special hands-on training was on Basic Electronics and Measuring Instruments, Microprocessors, Microcontrollers, Arduino, Raspberry Pi and Python. The basic aim behind the programme was to make students aware of the current technology after which they were allotted projects based on the modules covered. The training was coordinated by Mr Pankaj Rakheja and Ms Amanpreet Kaur with the support of the whole Department of ECE and Mr Sandeep Singh and Ms Purna Singal, Department of CSE who successfully covered these modules. Students benefited from the training as well as enjoyed all the sessions.

and services for our students. She was also briefed about the SaaS (Software as a Service) services which are fast, scalable and cost efficient, provided to the clients partnering with Google Cloud platform.

□ Ms Kusum Grewal Dangi, Assistant Professor was on externship at Reliance Jio Infocomm Ltd (Jio), Gurugram from 3-5 May 2017. Jio is a provider of 4G mobile telephony, broadband services, and digital services in India. The objective of the externship was to have real time exposure to the latest advancements that have taken place in the communication industry to bridge the gap between the educational and the deployment world. Three students were on internship with Reliance Jio Infocomm, one in the Dept of Microwave Communication and two in the Deployment department. The possibility of industrial visits, guest lectures and placements were also discussed.



□ Ms Amanpreet Kaur, Assistant Professor was on externship at ZTE Telecom India Pvt Ltd at Mohali, from 2-3 June 2017. ZTE Corporation is a global leader in telecommunications and information technology. The objective of the visit was to see the cell sites and get exposure to the actual scenario of how deployment is being done. Possibilities for further cooperation such as guest lectures, project associations, industrial visits etc. were also explored. [ECE20170005]



Department of Computer Science and Engineering & Information Technology

Departmental Activities

Dept of CSE&IT cojoins with the AWS Educate initiative

To build a technically skilled student community for the Cloud age, the Department cojoined with the AWS Educate initiative to facilitate training of students on real Cloud environment and make them ready for the ever growing Cloud business model. The AWS Educate initiative will provide the following important resources to the students:

- Grant of USD \$100 AWS credits to each student.
- Access to free and discounted AWS Training resources.
- Access to free Online Labs.
- Online and in-person collaboration and networking opportunities.

FOSS training by IIT Bombay

FOSS (Free Source Software) training was conducted by IIT Bombay for 2nd, 4th and 6th Sem students through Spoken Tutorial Software Project. 2nd Sem students participated in C/Advance C, while 4th Sem students in Ruby, PHP and Python and 6th Sem students in PHP and Python. On completion of the course a test was conducted and students who had passed the test were issued certificates by IIT Bombay. The event was coordinated by Ms Mehak Khurana and Ms Garima Sharma.

QEEE Programme of IIT Madras

A course on 'Public Key Cryptography' was conducted by the Department for 3rd Year students wherein live lectures were delivered by the learned faculty of IIT Madras, Dr Chester Rebeiro and projected in remote classrooms to 54 students at NCU. 48 students cleared the subject with more than 50% marks. This QEEE event was coordinated by Ms Mehak Khurana.

Workshops

A workshop on Big Data Analytics using Hadoop was conducted on 16 March 2017 at the International Institute of Technology and Management, Murthal, Sonipat by Dr Vijendra Singh, Associate Professor, Dept of CSE&IT. The workshop was attended by 45 students and faculty members of the Dept of Computer Science, IIITM, Murthal, Sonipat.

Another workshop on the same subject i.e. Big Data Analytics using Hadoop was conducted on 16 March 2017 at Mahaveer Swami Institute of Technology, Jagdishpur, Sonipat by Dr Vijendra Singh. The workshop was attended by 60 students and faculty members of the Dept of Computer Science, MSIT, Sonipat. Both the workshops were well appreciated by the students.

Technical Discussion

A Technical Discussion was organized for the faculty with Dr Gulshan Rai, First Chief of Cyber Security at PM's Office on 6 May 2017. Department's achievements/initiatives and research projects in the area of Cyber Security were presented. Dr Rai appreciated the efforts of the department in the form of subjects taught, research problems and projects undertaken and provided valuable inputs to further enhance the scope of projects. He discussed some real-life Cyber Security problems faced by the country and suggested that they could also be included in the curriculum. The event was coordinated by Dr Prachi under the guidance and support of Prof. A Sen Gupta and Dr Latika Singh. [CSE2017G012]



Workshop attended

A group of 12 faculty and students of SOCER group attended a workshop at Cyber Security Engagement Centre, Microsoft (CSEC) on 12 April 2017. A presentation was made regarding current scenario of security in India and Digital Crime Unit and its work environment. A demo about the usage of active directories for the management of different systems and their requirement was given by the Cyber Forensic Analyst. Technology Specialist, Mr Staffin Jacob, gave an insight into the Enhanced Endpoint and Platform Security like how we can protect ourselves from identity theft, data theft and malware intrusion and he also

explained what needs to be done post breach detection and how the investigation is carried out highlighting the features of Windows 10 Security.

A session on Email Security and Data Compliance was conducted by Mr Randhir Kumar Dhawan, Technology Specialist in Security. He explained the various attacks and threats an email can create and how they can be prevented. The last session was about Enterprise Security which focused on the critical information infrastructure. Career opportunities in Cyber Security through various certifications were also discussed.

Faculty Activities

- ❑ Dr Vijender Singh chaired a session on 'Computational Intelligence in Data Science and Big Data 2017' at the IEEE 4th International Conference on Computing for Sustainable Global Development, New Delhi, from 1-3 March 2017. He has been appointed as Guest Editor, Intelligent Data Mining and Machine Learning, Journal of Organizational and End User Computing (JOEUC), IGI Global, USA. Indexed in SCI, SCOPUS & ACM and Special Issue on: 'Computational Analysis and Security', IJSCCPS, Inderscience, UK.
- ❑ Ms Jagdeep Kaur was the Technical Reviewer for International Conference on Information, Communication and Computing Technology (ICICCT-2017) in collaboration with Springer CCIS and Computer Society of India (CSI) organised by JIMS Delhi.
- ❑ Ms Geetika Munjal attended a workshop on BigData at JNU from 17-18 March 2017.
- ❑ Dr Latika Singh and Dr Yogita Gigras attended an expo on '3rd Smart Cities India 2017' which was held at Pragati Maidan, New Delhi from 10-12 May 2017. During the three day event, industry experts, policy makers, innovators, influencers, entrepreneurs, etc. from across the globe shared solutions, product innovations, research discoveries, compelling case studies, technical talks, panel discussions, best management practices with industry peers. The event generated ideas for projects that encompass innovations in the field of smart cities, wearables, design applications, data analytics etc.
- ❑ Ms Jyotika Pruthi, Ms Richa Chabbhra and Ms Mehak Khurana visited four companies namely Swiggy, Incuspaze, Kartar Group and Visteon on 22 June 2017 to get an insight into the latest industry

trends and get feedback about NCU students working there as interns. NCU's MTech programmes and curriculum were also discussed with the industry experts. [CSE2017E001]

- ❑ Ms Garima Sharma participated in the FDP on 'Introduction to Web Development' at IIT Roorkee held from 13-22 June 2017. It was organised by the Electronics and ICT Academies under the scheme of 'Financial assistance for setting up of Electronics and ICT Academies' set up by the Ministry of Electronics and Information Technology (MeitY), GOI.
- ❑ Ms Jyotika Pruthi was interviewed by an international Australian magazine 'Ramona Magazine for Girls'. She got the opportunity to share her experiences as a professor at The NorthCap University and her TEDx talk at the University. She spoke about her varied interests, hobbies and achievements. Ms Jyotika advised girls, wanting to be engineers, to be innovative and "never hesitate to step out of their comfort zone to give a try to some new dimension". Read more at: <https://ramonamag.com/2017/06/amazing-babe-jyotika/>
- ❑ Ms Jyotika Pruthi's poem 'Letter from daughter to divorced parents' was published by the online portal 'The Uncommon Box' with an outreach of 10,000 viewers.

Faculty Achievement

- ❑ Ms Jagdeep Kaur received a Certificate of Recognition for Outstanding Service in the Technical Programme Committee of Springer's International Conference on Information, Communication and Computing Technology (ICICCT-2017) held at JIMS New Delhi.
- ❑ Ms Jyotika Pruthi was felicitated with the 'Young Women's Achievers Award' on International Women's Day by Gurgaon First and Artemis Hospital, Gurugram for her contribution to literature. She was the youngest among the eight

women who were felicitated at the occasion.

Jyotika Pruthi was included in the 2018 edition of Marquis Who's Who in the World, the best-known and well-respected biographical resource featuring world's most accomplished individuals since 1899.

- ❑ Dr Vijendra Singh was appointed member of the Advisory Committee, International Conference on Emerging Trends in Expert Applications and Security, held from 17-18 Feb 2018 at the Jaipur Engineering College and Research Centre, Jaipur.

Guest Lectures

- ❑ An expert lecture entitled 'Machine Learning and its Real Time Applications' was delivered by Prof. Vijayan K Asari, Department of Electrical and Computer Engineering, University of Dayton, Ohio, USA on 1 March 2017. Prof. Asari gave an introduction about Machine Learning as it is extensively used in real time applications and elaborated about data sensing, processing and automated decision making in real time. He spoke about the data acquisition process and systems, data pre-processing steps including distortion correction, haze/fog removal, rain removal and distortion correction. Prof. Asari explained about feature extraction, classification and decision making steps of data analysis used for real



Prof. Vijayan K Asari, University of Dayton, Ohio, USA delivering a lecture

time applications. He emphasized on real time applications including face recognition, object detection on WAMI data, Emotion recognition by EEG analysis and Brain machine interface.

The lecture was attended by 200 BTech CSE 2nd and 3rd Year students and faculty members. The session was coordinated by Dr Vijendra Singh.

- An expert talk on 'Information Security and Digital Forensics' was delivered by Mr Jaibir Kumar Jain, HCL Info Systems for 3rd Year BTech (CSE), MTech (Cyber Security) students and faculty members on 3 March 2017. Mr Jaibir spoke about the industrial trend in information security and various career options. The talk was followed by an interactive session with MTech students and faculty members. Mr Jaibir proposed an extensive two day practical session on Information Security for interested students of all departments. The lecture was organised by Alumni Cell of CSE&IT.
- Dr Yoginder Talwar, Scientist D, Network Security Division of National Informatics Centre (NIC), Ministry of Electronics & Information Technology, New Delhi gave a talk on the topic 'Data Centre Security' on 24 April 2017. Dr Talwar spoke about the various issues related to Data Center Security, Firewall Management, Switch Security and Vulnerability Scan. The lecture was coordinated by Dr Kavita Khanna, Ms Jyoti Sahni and Ms Mehak Khurana. [CSE2017G005]
- An expert lecture on 'Cyber World Threats & Awareness' was delivered by Mr Rakshit Tandon, Founder Chairman, A & R Info Security Solutions Pvt Ltd, Director Executive - Council of Information Security and Cyber Security Consultant to Internet and Mobile Association of India on 18 April 2017. Students and faculty

learnt about the latest types of cyber threats trending over Internet (particularly after demonetization) and security measures and prevention against these attacks. Mr Tandon strongly emphasized that universities and other academic institutions should focus on producing more number of security framework developers rather than



just programmers. He said that we should focus on developing a safer Digital India rather than just Digital India. He motivated students to spread awareness and contribute towards betterment of the society and the nation. The event was coordinated by Dr Latika Singh, HoD, Dept of CSE&IT and Dr Prachi Ahlawat. [CSE2017G007]

- A talk on 'The Next Generation Cyber Attacks & Threats' by Mr Rahul Tyagi, Vice President Lucideus Technology Pvt Ltd for BTech and MTech, Cyber Security students was organized on 11 April 2017. He discussed about the different ways of exploitation, how the mobile of a user can be hacked, how sites to download movies and pdf files can be exploited just by accessing the Internet smartly and many more. He also suggested different types of projects which



Mr Rahul Tyagi, Vice President Lucideus Technology Pvt. Ltd talking to students

can be undertaken by students. [CSE2017G008]

- A guest lecture on 'Privacy and Security in Online Social Media' (PSOSM) by Dr Ponnurangam Kumaraguru, Assistant Professor, Indraprastha Institute of Information Technology (IIIT), Delhi was organized on 22 April 2017. He said that we should maintain privacy and security over social media. The talk was coordinated by Ms Mehak Khurana. [CSE2017G011]
- An expert lecture was organized on the topic 'Big Data Analytics Landscape' by Mr Vasu, Senior Engagement Manager, Axtria for BTech CSE&IT 4th Year and MTech CSE students on 22 April 2017. Mr Vasu explained how we can solve typical business problems using Big Data Analytics, its various project phases including business understanding, data understanding, data preparation, modelling, evaluation and deployment. He discussed about machine learning algorithms for big data analytics, the current challenges and the future of the data analytics industry. The lecture was followed by an interactive session in which the students clarified their doubts. The lecture was coordinated by Dr Vijendra Singh. [CSE2017G013]
- A lecture on the topic 'IoT and Applications' by Dr Anirban Das, Founder, Anysyst Consulting, was organized by the Dept on 22 August 2017. Dr Das highlighted the rise of IoT platform and its applications, its architecture and layers in the IoT platform and discussed some open challenges in the projects he had undertaken and motivated the students to come up with solutions to those challenges. [CSEG2017002]

New Faculty Member

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

Orientation Programme for Students

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

Student Projects

Five students of BTech 3rd Year worked on real-time projects with Universal Technical System Pvt Ltd (UTS). They successfully completed modules of products and presented their work on 14 July 2017 in the presence of industry experts from UTS, Pro Vice-Chancellor, Brig. SK Sharma (Retd), DSOET, Prof Ravindra Ojha, Head, Dept of CSE&IT and other CSE faculty. Members appreciated the work of the students which was highly motivating for them. This initiative was taken up by Dr Supriya Raheja.



Industrial Visits

- ❑ Ms Rita Chhikara visited National Informatics Centre, Electronics Niketan, NIC, MMTC Ltd, India Meteorological Department and World Wildlife Fund. [CSE2017IV001]
- ❑ Ms Garima Sharma visited DEN Networks, Okhla, Caretel Infotech Ltd, Naraina, CBSL Group and Dignitas Digital on 14 July 2017. [CSE2017IV002]
- ❑ Dr Kavita Khanna visited Nokia Solutions and Networks India Pvt Ltd and DSM Sinochem Pharmaceuticals to take feedback of students who were doing internship and discussed latest technologies they were working upon and to extend Nokia-NCU association for the long term. [CSE2017IV003]



- ❑ Dr Charan Kumari visited ASVISER Logic, Gurugram, DAN Electronics Pvt Ltd, Gurugram and Anlight Consulting, Welldone Tech Park, Gurugram on 14 July 2017. [CSE2017IV004]
- ❑ Ms Geetika visited Mando for internship feedback and had a discussion with Ms Shweta Goel on 13 July 2017. [CSE2017IV005]
- ❑ Ms Jyotika Pruthi and Ms Richa Chhabra visited Airtel and Incuspaze on 23 June 2017 and met Mr Yashraj Bhardwaj and discussed about the progress of the students and the website that was developed by the students for the company. The work of the students was well appreciated. [CSE2017IV006]

Internship

The Department took an initiative to help CSE 3rd Year students get internships at reputed organizations and the following companies visited the Department and selected students: Stratbeans Consulting Pvt Ltd, Gurugram (10 students), Deity, Delhi (2 students), Open Hardware Days, Hyderabad (3 students), Digitas, New Delhi (2 students), Edunext Technologies, Ghaziabad (6 students), Ansys, Gurugram (2 students), Mendo infotech, Gurugram (3 students), 360 Degree Cloud, Faridabad (2 students),

TrendzLink, Gurugram (1 student), Ritesource Pharma solutions, Gurugram (2 students), HCL info Systems (2 students), Trupey, Gurugram (4 students), DRDO, New Delhi (3 students), Skoolfi, Gurugram (1 student), Atlanta Healthcare, Gurugram (2 students).

Preplacement Interviews

The Department conducted the first five rounds of preplacement interviews (PPI) for BTech (CSE) pre-final year students on 1, 8, 19, 21 and 22 April 2017. The objective was to facilitate students in realizing their strengths and areas for improvements so that they are able to identify the domain that best suits their profile. Eminent industry experts were invited to conduct the interviews viz., Mr Nishit Kumar (Service Delivery Manager TCS), Mr Aman Chandna (Service Delivery Manager, TCS), Mr Gaurav Sidana (SVT/PV Engineer Ciena) and Mr Varun Rao, (Associate Product Manager, Walker Digital Table Systems). The interviews were successfully conducted with 170 students participating in the programme. The drive was co-ordinated by Ms Jyoti Sahni and Ms Neha Sahu.

Alumni Interaction

- ❑ An expert talk on the topic 'Designing of Web applications using MVC Design Pattern' was delivered by Alumnus Mr Chirag Aggarwal to BTech CSE 4th and 6th Sem students on 10 April 2017. He discussed about the industrial need of MVC design pattern in PHP based web development. He discussed different components and the linkage of those components coordinated with the help of real life web examples. The lecture was coordinated by Dr Supriya Raheja and Dr Shilpa Mahajan. [CSE2017G006]
- ❑ An interactive session was organized for 2nd Year BTech students by Alumnus Mr Aman Singh Dhaka (Class of 2004) working as SME DBA at IBM India on 19 April 2017. The topic of the talk was 'Database Management Tools and their Industry

Relevance'. He discussed about various database streams that can be opted for as a career option in the future. He suggested focusing more on database fundamentals. He also gave ideas on various 'dbms' tools that are used in industries nowadays. [CSE2017G009]

- ❑ Alumni cell of the Dept of CSE organized an interactive session for CSE 3rd Year students on 13 April 2017. Alumni Mr Manmohan Maheshwari and Mr Manan Jain (Class of 2015), currently pursuing MS at Pennsylvania State University, USA interacted and mentored the students. The objective of the session was to guide students to prepare for GRE exams. [CSE2017G010]
- ❑ An interactive session was organized by the Department with Alumnus Ms Swati Sehgal (Class of 2014). Ms Swati is presently working as a Network Engineer with Intel, Ireland. She suggested that students should focus more on the fundamentals of subjects/topics. She also spoke about the selection process followed by foreign universities and other institutions of higher education. She shared some of her learning experiences at ITB, Ireland where she had gone on a scholarship under the student exchange programme of NCU with ITB. The session was coordinated by Dr Shilpa Mahajan.

Placements

Five students were placed at Universal Technical Systems (India) Pvt Ltd for internship and eight students were placed at Stratbeans. Three students of 3rd Year BTech (CSE) were placed as interns at Open Hardware Days (OHD), Hyderabad.

Mentor-Mentee Interaction



Prof. B Chandra, PhD
Professor,
Department of Mathematics
IIT Delhi

- ❑ Faculty Mentor, Prof. B Chandra guided students and faculty of Data Analysis Group on 10 March 2017. She discussed the latest research trends in Deep Learning and Neural Networks.

Prof. B Chandra interacted with members of Data Analysis Group on 12 April 2017. She discussed about research areas and gaps in this domain and guided the members about the latest tools and techniques in this field.



Prof. Karmeshu
Prof & Dean, School of Computer
& Systems Sciences,
JNU, New Delhi
SS Bhatnagar Awardee

- ❑ Faculty Mentor, Prof. Karmeshu delivered a lecture on Probability and its Applications to BTech students and faculty on 17 March 2017. He interacted with mentees of different departments and discussed their research problems.

Prof. Karmeshu discussed the research progress of his mentees on 12 May 2017. He emphasized on the aspect of Community Health Care and suggested concerned faculty to write research papers using appropriate sampling techniques on the collected data related to health issues. He also suggested that mentees working in the area of Computational Neuroscience should organize their synopsis contents.

Student Speak



Parichay Tayal
(CSE Class of 2016)

"I recently got a job in Hindustan Times Media (HT Media) as Strategist in B2B and Relationship. Marketing Media is the sunrise sector and is poised for growth. People with diverse backgrounds and work experiences flourish at HT because they are all united by the company's strong value system."

Department of Mechanical Engineering

Workshop

A three day Skill Development workshop on 'Applications of ANSYS CFD' was conducted by ANSYS Software Pvt Ltd under their Corporate Social Responsibility (CSR) programme for 4th Sem students. 59 students attended the workshop which was held from 15-17 March 2017. It was coordinated by Mr Abhishek Pratap Singh and Ms Shikha Kashayap. (MED2017WO002)

Guest Lectures

- An expert lecture was delivered by Dr Ankur Gupta, IIT Bhubaneswar on 'Nano-inspired Research Applications and Challenges' on 25 Feb 2017. Dr Ankur Gupta discussed about the distinct properties of Nano-structured materials, different Nano-fabrication strategies, application of Nano-structured materials viz. gas sensing, waste water treatment, microfluidics, antimicrobial and bio-sensing etc. He also spoke about research and challenges based on Micro/Nano-systems. Mr Gagan Baradia and Mr Deepak Monga coordinated the event. (MED2017G002)
- The departments of ME and EECE jointly organized an expert lecture on the trending topic of 'Industry Automation and Programmable Logic Controller' by industry expert Ms Ripanjeet Kaur, Senior Engineer, Mitsubishi Electric India Private Ltd, Gurugram on 17 March 2017. The expert lecture was attended by ECE and ME students of 4th, 6th and 8th Sem. She discussed industry automation, latest trends in

automation industry, Programmable Logic Controller (PLC), PLC programming and hardware-software interfacing and Controller designing.

Ms Ripanjeet also highlighted the type of work and research that was being done at Mitsubishi Electric and its various plants located worldwide. The talk was followed by an interactive session wherein students actively participated in clarifying their doubts. The talk was coordinated by Dr Shiv Manjaree Gopaliya, Dept of ME, Dr Anjali Garg and Ms Shaveta Arora, Dept of EECE. (MED2017G003)

- A lecture on 'Project Management: Visualizing theory in Practice' was delivered by Mr Himanshu Sharma, Project Management Division, Andritz Hydro. Mr Himanshu discussed the concept of Project Management from basic to implementation. He elaborated the talk with case studies which was followed by a query session. Possibilities of internship opportunities at Andritz Hydro were also discussed and he agreed to provide selected internships to students. The session was coordinated by Mr Anmol Bhatia and Mr Kishore Guru. (MED2017G004)

Industrial Visits

- A visit to Surabhi Engineers Ltd, Faridabad was organized on 15 March 2017 for 1st & 2nd Year students. Students visited the manufacturing division, welding section and the quality control department of the company where they learnt about the inspection processes followed by the company. Discussion was held for Surabhi Engineers Ltd to provide industrial training to NCU students. The visit was coordinated by Mr Anmol Bhatia and Mr Kishore Guru. (MED2017V006)

- A visit to Surya Roshni Ltd, Bahadurgarh, Haryana was organized on 22 March 2017 for BTech 1st Year students. They got an opportunity to see the manufacturing processes of Steel Pipes of various diameters, their testing and quality control processes, galvanization processes etc. Mr Gagan Baradia and Mr Deepak Monga coordinated the visit. (MED2017V007)

- A visit to Blue Peter Pvt Ltd, Badli Industrial Area Delhi, was organized on 22 March 2017 for students of BTech. They observed sheet metal operations especially progressive dies. The industrial visit was coordinated by Mr Anuj K Jain and Mr Satnam Singh. (MED2017V009)

- A visit to Motif Capacitors Pvt Ltd, Delhi for students of BTech 2nd & 3rd Year was organized on 22 March 2017. Students got an opportunity to see a world class manufacturing facility with various capacitors and high level of industrial automation. Students interacted with the top management of the company and got hands-on experience of manufacturing of capacitors. Director of Motif group, Mr Rohit Rai explained the future of Mechatronics and Industrial Automation in MSME's. The visit was coordinated by Mr Anuj K Jain and Mr Satnam Singh. (MED2017V008)



Mitsubishi Electric India organizes 'Edumeet 2017'

Mitsubishi Electric India Pvt Ltd organized 'Edumeet 2017' to bridge the gap between academia and the industry which was held at Ghaziabad on 1 March 2017. Several academicians from Delhi-NCR like DTU, SRM and representatives from various industries like Honda attended the meet. Dr Anjali Garg and Ms Shaveta Arora (Dept of EECE), Dr Shiv Manjaree Gopaliya (Dept of ME), NCU attended the meet. Curriculum design and syllabi related to courses of major industrial significance like Automation, Mechatronics, Instrumentation and Control Engineering were discussed. Brain storming sessions and group discussions were held regarding the loopholes, strategies, challenges and outcomes in the existing curricula. (MED2017WA004).

Mr Johan Gustafason, Nira Control AB, Sweden visits Dept of ME

Mr Johan Gustafason, CEO, Partner, Nira Control AB, Sweden and Mr Yogesh Kalia, CEO, Medhaavi Center for Automotive Research, Punjab visited the Department of ME on 20 March 2017. Discussions were held regarding upgradation of labs and future cooperation with Prof. Prem Vrat, Prof. Ravindra Ojha and Dr Rohit Singh Lather. They visited the IC Engines Lab and Automobile Lab and appreciated the engine test setups, equipment and upgradations in both the labs. The visit was coordinated by Dr Rohit Singh Lather.

Nira Control AB, Sweden, develops and delivers state-of-the-art advanced electronic control systems for the automotive industry. (MED2017O005)

Faculty Activities

Dr Ashwini Sharma gave an invited talk on 'Design for the textile machinery' in design awareness seminar on 8 March 2017 at Panipat organized by MSME Development Institute, Karnal. (MED2017I004)

Dr Sharma was invited to the two day workshop of 'ISIE-Indian Karting 2017' as a Chief Guest on 18 and 19 March at NCU, Gurugram. (MED2017WA003)

Faculty Achievements

Dr Ashwini Sharma was awarded PhD degree on 4 March 2017 at the National Institute of Technology, Kurukshetra.

Shri Brahmin Mahasabha honoured Dr Ashwini Sharma with Samman Patra for his achievements on 11 March 2017 in Pratibha Samman Samaroh, Bharatpur.



Department of Civil and Environmental Engineering

Inter-school Design & Tech Competition and Inauguration of the Indian Road Safety Campaign (IRSC) Student Chapter

The Dept of CEE organized the Inter School Design & Tech Competition for various schools in the NCR at NCU on 20 April 2017 and also inaugurated The Indian Road Safety Campaign (IRSC) in association with IIT Delhi. A Design & Tech competition was inaugurated by Mr Anand Poonia IRS, Assistant Commissioner, Indian Revenue Service, Customs and Central Excise, Faridabad, in the presence of Pro Vice-Chancellor, Brig SK Sharma and Head, Dept of CEE.

The school students were divided into teams of three and a bridge-making competition was conducted after which the bridges were tested for load bearing capacity. Amity International, Sector 43, Gurugram obtained the 1st position and Lions Public School, Gurugram bagged the 2nd position. Students were also taken on a tour of the University and saw the facilities at NCU.

The IRSC Student Chapter was inaugurated by Mr Amar Srivastava,

Founder & President, Indian Road Safety Campaign currently working at the Royal Bank of Scotland on 20 April 2017. He gave a presentation about the importance of road safety and practices followed in Delhi. The Department signed an MoU with The Indian Road Safety Campaign (IRSC) in association with IIT Delhi on the same day. [CEE2017O008, CEE2017O009]

Unique Student Project

The Department suggested a unique way of handling debris flow yet to be implemented in India. Dr Amit Srivastava, Head, Department of CEE mentored students Aryan and Bhavesh Kumar, who displayed their BTech project 'Channelizing debris flow during landslides' at the annual technical fest 'Reconnaissance 2017' at PEC, Chandigarh as well as 'Technovation 2017' on 21 April 2017 at NCU. In hilly regions, normally debris flow tends to channelize due to topography and if left unchecked can damage or disrupt infrastructure or block water courses. The team suggested construction of channels along the most probable path of debris flow so that the flow can be channelized and material is collected downstream in a large pit and utilized for construction purposes, rain water collected in the pit can be used for groundwater recharge and directed towards rainwater harvesting pit.



Guest Lectures

- An expert lecture by Mr Varun Bajaj, Structural Design Engineer, WS Atkins India Pvt Ltd was organized for 2nd Year students on 22 March 2017 on the topic 'Ductile Detailing of Structures'. He discussed the scope of ductile detailing of RCC structures as per IS 13920. Mr Bajaj also showed structural drawings of existing buildings and shared his practical experiences in the designing of



structures and various reinforcement detailing techniques used. The session was extremely informative due to technical insights about steel that should be used in earthquake resistant buildings. [CEE2017G005]

- Mr Vineet Lochan Gupta, CEO, Save Techno Engineers delivered a lecture on 'Precautions / shortcomings, observed while execution of building activities' to BTech students on 27 July 2017. He discussed site problems, shared case studies and real time experiences with the students which helped them understand the shortcomings observed in the execution of building activities. [CEE2017G007]

Aspiring Minds

- The Department started a new initiative 'Aspiring Minds' wherein good rank achievers, of recent years, in various competitive examinations like GATE, IES, IAS, GRE, CAT etc are invited to interact with BTech students and guide them regarding strategy and approach that should be adopted for cracking such national level examinations. In the first mentoring session, the Department focused on the core Civil Services Examination, Indian Engineering Services (IES) where pre-final year students interacted with Mr Vipul Bajaj on 28 Feb 2017 who secured AIR-77 in IES (Year 2016). Mr Bajaj, BTech, Civil Engineering (2008-12), NIT



Kurukshetra and MTech, Construction Management, IIT Delhi (2014-16) and has one year's professional work experience in a bridge designing company. Mr Bajaj shared his rich experience preparing for the Indian Engineering Services entrance examination with pre-final year students. He spoke about the structure, UPSC interview

committee and interviewing process for selecting IES officers. He motivated the students to work hard for their dreams which will eventually pay off. [CEE2017G004]

- Under the initiative 'Aspiring Minds' the Department organized a guest lecture by Mr Anand Poonia who cleared the IAS Examination with flying colours and is currently

working as Assistant Commissioner, Indian Revenue Services, Customs and Central Excise, Faridabad. The session focused on the Union Public Services Commission's (UPSC) Civil Service Examination.

Mr Poonia shared his rich experience of preparation for the Indian Administrative Services entrance examination. Initially he had a career oriented discussion with the students and advised them to start working towards their goals from the 3rd Year onwards. He enlightened the students regarding choice of an additional subject which is crucial in the final scoring of the IAS entrance examination. He shared his insights of Prelims and Mains of the Civil Services Exam and motivated the students to work hard to crack such prestigious national level examinations. [CEE2017G006]

Pre-Placement Interview

The Department organized the 1st round of pre-placement interview (PPI) for 3rd Year students on 11 Feb 2017. It gave students an experience of appearing in an interview and also to understand and realize the importance of preparedness required during an interview. It was conducted by two Alumni of the Department, Mr Ankit Pachouri, Ministry of Urban Development and Ms Mahima, JK Cement (Class of 2011). The 2nd PPI by Alumnus, Mr Bharat Gaur, Sobha Developers Pvt Ltd (Class of 2014) was organized on 25 Feb 2017. Students were evaluated on the basis of their technical skills, HR skills, overall grooming, GK etc and thereafter a feedback session was conducted to highlight the areas that needed improvement. [CEE2017O005]

Quiz Competition

A quiz competition 'Quest' was organized for CEE and ME students and conducted in association with CADD Centre, Dwarka, ND on 24 Feb 2017. A total of 60 students from both the departments participated. The participating students were provided free training on soft skills. [CEE2017O006]

Site Visits/ Industrial Visits

- A geological site investigation of Aravalli Hills in Haryana for UG students was organized along with all members of the faculty of the Dept on 22 March 2017. The visit was to learn about the geological surface and subsurface investigations as it forms an important part in the design of structures. Dr Misra discussed various processes of site investigation, surveys and practical considerations to be taken care of before starting construction work in difficult geological conditions. Students saw different terrains of quartzitic rocks under different weathering conditions and learnt about the jointing patterns in rock masses and major reasons which cause fracturing in rocks. A demonstration of Scanline survey in rock slopes was done and block samples collected from one of the sites to evaluate its petrological and mechanical properties. [CEE2016V003]

- A visit to GURGAON 1 site under Alpha Construction Pvt Ltd, Sector 84 Gurugram was organized for 1st

Year students on 2 March 2017. The students were accompanied by faculty members Ms Purnima Bajpai and Ms Megha Kalra. The visit gave the students an opportunity to experience the execution of work at a construction site. The site was near Manesar and consisted of five towers of G+25 storeys. Students saw various building components and were explained about each building part in detail. Final-year student, Shivam Rohilla placed at this site was also present during the visit and explained the finishing processes. The Project Manager agreed to provide summer internship to NCU students. [CEE2016V002]

- Mr Shubham Bansal and Mr Akx Malik visited Rajiv Chowk, Gurugram on 4 July 2017 where Gawar Construction is undertaking the NHAI project. [CEE2016V004]
- The faculty visited Skyway Infra Pvt Ltd which is constructing a 50 MLD Sewage Treatment Plant at village Dhanwapur in Gurugram. [CEE2016V005]

- Ms Purnima Bajpai and Ms Megha Kalra visited the Central Soil and Material Research Station, New Delhi, where Neev Bathla and Kartik, Final-year students were interning. They visited the Indira Gandhi Hospital construction project site, undertaken by L&T and PWD at Dwarka. The team also visited The Engineers India Ltd office at Bhikaji Cama Place, New Delhi. [CEE2016V006]



Ms Purnima presented her research paper on 'Review of risks associated with renovation and modernization of thermal power plants in India' at the 2nd World Conference on Technology, Innovation and Entrepreneurship from 12-14 May 2017 at Istanbul, Turkey. [CEE2016CA002]

- Ms Purnima Bajpai and Mr Shubham Bansal visited RITES Ltd, Gurugram; DLF Crest site located in Sector 54 and the DLF Leighton project in Sector 64, Gurugram, where two students Vishwajeet and Ashish were working. They also visited three sites/offices on 11 July 2017 viz., GMR Ltd, Udhan Bhawan, IGI Airport where one student, Anushree was working; BJP Head Quarters being constructed by L&T Infrastructure, Deen Dayal Upadhyay Marg, New Delhi; Tata Housing project in CP, New Delhi where Aneesha was working, directly associated with Mr Ciby James, ASQ Northern Head, on a paid internship. [CEE2016V007]

Ms Purnima Bajpai attended a conference on Power Transmission and Distribution (T&D) organized by the Ministry of Power in New Delhi on 12 July 2017. The conference was an excellent



platform for getting information on latest trends in the industry and also for networking with industry experts ranging from the Ministry to the private sector. [CEE2017CA004]

Ms Purnima is now a Life-time member of the Indian Society of Analytical Scientists (Delhi Chapter), a scientific forum under Indian Oil Corp Ltd.

- Mr Akx Malik and Mr Lokesh Chaudhary visited NHA at Udyog Vihar Gurugram; office of Millennium Engineers & Contractors, Gurugram and DLF at sector 42-43 metro station, Gurugram. They met the Assistant Project Manager of the DLF team working at the project for diversion of drainage systems. [CEE2016V008]

Faculty Activities

- Ms Purnima Bajpai, Assistant Professor, presented her paper titled 'Efficiency study of coal based thermal power plants in India using Data Envelopment Analysis' at the Project Management Research & Academic Conference 2017 held at IIT Delhi from 2-4 March 2017 hosted by the Project Management Institute (PMI). [CEE2016CA001]

- Mr Lokesh Choudhary attended Plaxis Users Meet 2017 on 10 May 2017 organized by Ram Caddsys Pvt Ltd, Chennai. It highlighted the new version of software that had been released for users through which Superstructure and Substructure can be modelled and analyzed simultaneously. [CEE2016WA002]

- Ms Megha Kalra and Ms Purnima Bajpai attended a conference on the

topic 'Clean BS-IV Fuels - A right step towards cleaner environment' on 5 May 2017 at the PHD Chamber of Commerce. The sessions included talks and presentations by eminent speakers from the public and private sector including Maruti, Hero Moto Corp, IOCL, ONGC etc. [CEE2016CA003]



- Mr Shubham Bansal attended the 'National Roads & Highways Summit 2017' on 6 July 2017 at PHD Chamber of Commerce and Industry, New Delhi. Mr Sanjiv Nair, IAS, Director General, NECTAR, GOI spoke about the MoU signed by NHA with ISRO and NECTAR for the use of spatial technology for monitoring and managing National Highways. The summit also resulted in networking sessions. [CEE2017CA005]



- Mr Akx Malik, Assistant Professor presented a paper titled 'Experiments to determine static and dynamic behavior of Deccan trap rocks, India' at EUROCK 2017 international conference. The European symposium of ISRM was held at Ostrava, Czech Republic which is a famous industrial and mining heritage city. The



symposium had a gathering of more than 250 scientists, engineers and researchers from universities, science labs and industries.

During the symposium a visit was organized to one of its kind Bukov PVP underground research facility at Rozna mine, situated at 600 m below the earth's surface and to the Weiliczka Salt mine, one of the oldest salt mines, consisting of 298 Km long tunnels.

- Mr Akx Malik was enrolled as a member of Young Leaders Program to be held at Ambedkar University, Delhi [CEE2017O016]

Mentor-Mentee Interaction



Dr Yogendra Pal Anand
PhD
FNAE, MSES, FIPWE,
FIRT, FIIBE, FIEI

In the mentor-mentee meeting with Dr Y P Anand, Former Chairman, Railway Board, Ministry of Railways on 27 Jan 2017. Various academic activities of the Department were conducted

such as ratification of the appointment of two faculty members, Mr Shubham Bansal and Mr Akx Malik, participation in the round table discussion for the review of the course content of the courses related to Transportation Infrastructure and vetting of Environmental Engineering lab workbook. Dr Y P Anand also delivered a lecture on 'Waste Management for Smart Cities' and defined 'Waste' as a resource which is 'unutilized'.

Alumni Interaction

Ms Nikita Gupta (Class of 2013) shared her experiences as a civil engineering professional in a real estate consulting firm with students on 18 April 2017. She highlighted her thrilling experiences in real estate consulting and asked students to take up internships in this sector. She said that working experience and higher qualifications are both equally necessary to achieve the targeted milestone. Ms Nikita has worked at IREO Pvt Ltd for over two years and has thorough knowledge of on-site construction work.

Presently she is working with CBRE Consulting which offers real estate and urban economic consulting services to developers, owners, occupiers, institutional investors and public sector organizations around the world. She motivated students to opt for unconventional career endeavours after their graduation. [CEE2017O010]

Internship

Four students, Parth, Gaurav Yadav, Paras Sharma and Ajay Gill, 2nd Year were selected by the National Highway Authority of India (NHAI) for a three month internship to work on their live projects, make Project Reports and were awarded an internship certificate by NHAI on successful completion of their training.

Award Distribution ceremony for the passing out batch

The Department organized a farewell and felicitation ceremony for its passing out batch on 18 May 2017. Six students were awarded in different categories namely: 'The Best Senior' - Shrey Chaudhary, 'The Studious' - Sukrit Sharma, 'The All-rounder' - Yashashvee Khanna, 'Teacher's Favourite' - Naman Jain, 'Best Transformation' - Mayank Grover, 'The Achiever' - Rohit Arora. [CEE2017O013]

Faculty Development Programme

A six day Faculty Development Programme on Skill Enhancement was organized from 5-10 June 2017. The FDP was a mixed bag of events like special lectures by industry experts, software trainings, industry visits, discussions on

the strategic plan and department tracker, meditation sessions, sessions by eminent speakers from the Government sector, recreational activities etc. The FDP was inaugurated by the HoD, Dr Amit Srivastava on 5 June 2017. He talked about its history, layout, its importance and how FDPs can be effectively planned and executed to get the best output. Pro VC and Professor, Dept of CEE, Brig SK Sharma (Retd) focused on the importance of an FDP and how it can help in skill enhancement and augment the learning process.

Guest speaker, Dr Chandan Ghosh, Professor National Institute of Disaster Management, New Delhi spoke on Disaster Safety Auditing of the built infrastructure and structural safety of buildings constructed in New Delhi and how they would perform in an earthquake situation. Using the department tracker Ms Megha Kalra led an in-depth discussion and review of the Department's progress, identified grey areas and areas for further improvement. Dr Anil Kumar Mishra emphasized the importance of quality research, research publications, API scores and the new UGC guidelines for the calculation and up-gradation of API scores

In the brainstorming session on the strategic plan presented by Dr Amit Srivastava, the plan for the next semester and the parameters which were of concern for the Department like MTech admissions, quality intake of BTech students, placements with core companies, alumni engagement, collaborations etc were discussed. Software training on Staad Pro by Bentley provided web based training and allowed the faculty to work individually on small



projects. The faculty also visited the DMRC metro construction site at Satya Niketan, New Delhi and saw the girder launching process, post tensioning activities, testing labs and facilities.

Dr Umesh Sharma, Scientist E, Dept of Science and Technology, New Delhi spoke on 'Research career opportunities in Science & Technology and the National Programme on R & D'. This was a combined session with the faculty from Applied Sciences and CLL. Dr Umesh discussed various provisions of schemes like FIST, CURE, PURSE etc. and the benefits of each of them.

Dr Sushmita Wariach, Head, SOM, spoke on 'Driving individuals towards creative excellence'; Dr Kanu Priya, Head, SOL on 'Gender Discrimination' and Mr Bilal Ahmed, SOL about Muslim laws. Prof. Ravindra Ojha, Director, SOET conducted a session on LEAN systems, its importance and application in different segments. This was a combined session for all SOET departments on 8 June 2017.

Industrial visits to NHAI GAWAR upgradation project, Gurugram, IFFCO Chowk site to see the geo grids and geo nets used in construction; Rajiv Chowk site to see construction of overpass and underpass, lab and testing facilities etc. were organized by the Department.

Ms Kritika, Programme Associate, Createnet Education, New Delhi conducted a session on 'Exploring effective ways of teaching and learning'

with special focus on the turmoil in today's world and how to overcome it, on 9 June 2017.

On 10 June 2017, Mr Deepak Satyarthi, NCU Systems and his team organized a joint training session for SOET faculty on Office 365. Alumnus Mr Arpit Gupta, owner of the BMG Group, conducted a session to inculcate a sense of ownership and accountability in managing businesses and the importance of innovation and risk taking in entrepreneurship.

The last session was led by Dr PS Rana, Former Chairman HUDCO, Chairman CIDC, Member, Academic Advisory Board, NCU on 'Land pooling and consolidation' on 10 June 2017. He discussed the concept of land pooling, land inventory, classification and usage. [CEE2017O014]

Workshop

A workshop on 'Primavera P6' software of project management was organized for 3rd and Final-year students on 3 August 2017. Primavera P6 Enterprise Project Portfolio Management software is an incorporated project management solution which helps project-driven businesses to attain an edge over their competitors. The software utilizes skills and responsibilities of each team member. The session gave hands-on experience to the students and included practice sessions and demos for different modules of the software. [CEE2016WO009]

Staff Development Programme

The Department organized a two day Staff Development Programme (SDP) on skill enhancement of technical staff from 13-14 July 2017. A session on Soil Testing was conducted in the Soil Mechanics lab by Mr Lokesh Choudhary, Assistant Professor. Tests such as water content determination, specific gravity, grain size distribution, compaction test etc. were discussed. Another session was organized on cement testing and its practical applications by Ms Megha Kalra. Various test procedures were explained as per the Indian Standards and tests like consistency, initial and final setting time, specific gravity and shrinkage were carried out by the staff.

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

New Faculty

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



Department of Applied Sciences

National Science Day Celebration

Every year the National Science Day is celebrated on 28 February to pay tribute to the Nobel Laureate Sir Chandrasekhar Venkata Raman for his invention of the Raman Effect through his experiments on the scattering of light. A series of science-related events are organized in the country to inspire people to work in the field of science, engineering and technology.

To spread the message of the importance of science and its application among people, the Department of Applied Sciences, organized the National Science Day on 28 Feb 2017. On this occasion UG, PG and PhD students of the University and about 160 students of 9th to 12th

classes from various schools in Gurugram demonstrated their innovative ideas in the form of science projects, models and posters. Some of the main projects included were the use of solar energy in rural areas, mini biogas power plant, automated switching of light and heart rate monitoring model. The students thereafter participated in a Science Quiz. The event aimed at motivating school children to take up science in their higher studies and thereby contribute to the National Mission on Science.

The Chief Guest Mr Anil Kumar, Chief Scientist, Head of Mass Standard, Quality Manager & Vice-President of Metrology Society of India gave an interesting talk on 'The dissemination of

the standard of mass and other related quantities'. Winners of various events were encouraged by awarding prizes and certificates. The National Science Day was partially sponsored by the Metrology Society of India (MSI) which encourages conducting of such events in institutional organizations to percolate metrology among the students. (APS2017O002)



Guest Lectures

- A lecture was delivered by Prof. Amitav Sen Gupta on 'Global Positioning System and Atomic Clocks' to 1st Year BTech (CSE) students on 22 Feb 2017. He emphasized on the importance of precision time measurement and the working of GPS. Dr Pranati Purohit coordinated the event. (APS2017G002)

- The Department organized two lectures by Prof. Ajit Iqbal Singh, Emeritus Scientist, The Indian National Science Academy, New Delhi on 19 April 2017 to celebrate Mathematics-Statistics awareness month. The first lecture was attended by MSc 1st Year and BSc final-year students. The topic of the lecture was 'Injectivity versus Surjectivity and 'Multipliers versus quotient rings in matrices, function algebras and operator algebras'.

The second lecture by Prof. Ajit was delivered on the topic 'Fair Division' to UG students. The notion of fair division was explained through daily examples like cake cutting, work allocation, dividing property, etc. The mathematical aspect of convexity,

Latin squares, magic numbers etc. were also introduced and explained in an interesting way. (APS2017O007)

Mentor- Mentee Interaction

- Faculty Mentor, Prof. KL Chopra, on 21 March 2017, motivated the students to work on innovative projects and suggested some projects



Prof. KL Chopra
Padmashree
Former Director,
IIT Kharagpur,
SS Bhatnagar Awardee

that could be undertaken by them. He also discussed various topics which they had studied beyond their syllabi. Prof Chopra introduced the faculty members to the emerging areas for research and helped them in framing interdisciplinary research projects.

On 21 April 2017, Prof. KL Chopra was one of the eminent judges to evaluate students' projects at 'Technovation- the Project Day'. He also interacted with Ms Chetna Tyagi and gave her valuable inputs

for completion of her PhD work. Dr Ambika Sharma also participated in this discussion. (APS2017O005)

- Prof. IK Varma mentored faculty members of Chemistry on 13 April 2017. She discussed new research proposals from various funding agencies and suggested that faculty members should focus on interdisciplinary research. She visited the Chemistry Lab and monitored various lab activities and the evaluation system of chemistry practical exams. (APS2017O006)



Prof. Indira K Varma
MSc, DPhil, PhD, DSc,
Glasgow University
Honorary Doctorate Degree

- Faculty Mentor, Prof. Kehar Singh, Honorary Distinguished Research Professor, guided PhD research



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

scholars and faculty members on 30 March 2017 and 21 April 2017. Prof. Singh discussed on topics like Optical Image Processing and other emerging areas. He visited the Holography Lab and suggested optical components that should be purchased for the lab. (APS2017O008)



2017 for BTech 1st Year, CSE and 3rd Year ME students. The Mela was jointly organized by the Indian Council of Agricultural Research and Ministry of Agriculture and Farmers Welfare. The Mela popularized the latest advancements in agricultural research and technological developments among farmers and other visitors through exhibition of models, posters and live demonstrations. Students also observed displays on water conservation methods, renewable energy systems like windmill, solar drying systems, etc. and learnt the practical aspects of topics related to their curriculum on Environmental Studies. The trip was organized by Dr Rashmi Tyagi, Associate Professor, Dept of APS. (APS2017V001)

- An educational trip for BTech CSE 1st Year students to the annual Open House-2017 at IIT-Delhi was organized on 22 April 2017. A group of 15 students visited the exhibition and research facilities available at IIT Delhi. The aim of the visit was to make students capable of designing and implementing projects for future innovations. The event was taken up under the initiative of Dr Kamlesh Sharma, Assistant Professor, Chemistry Section. (APS2017V002)

A parallel trip to the Open House-2017 at IIT Delhi was organized by Dr Rashmi Tyagi, Associate Professor, for BTech ME 3rd Year students on 22 April 2017 for project work in the course on Environmental Studies. Main attractions of the event were showcasing of latest developments in technology and engineering and

interaction with students from IITD. There were sessions on industry interaction and talks on 'After class 12, is Engineering my option?' and 'I am doing Engineering, now what?' by Professor Subrat Kar, Dept of Electrical Engineering, IIT-Delhi. (APS2017V003)

Faculty Activities

- Dr Seema Thakran, Assistant Professor, attended the National Workshop on Mathematical Modelling and Computational Techniques using Mathematica from 30-31 March 2017 at the Zakir Hussain College, University of Delhi. Dr Seema Thakran attended a conference to honour Prof. Rajendra Bhatia, on his retirement, for his important contributions to mathematics at the Indian Statistical Institute, Delhi Centre from 30-31 May 2017. This programme also provided a platform to exchange ideas of common interest among the participants. (APS2017WA002)
- Dr Sunita Sharma participated in the National Workshop on Thin Films held at the School of Basic Science and Research at Sharda University, Noida from 17-18 Feb 2017. Lectures by industry experts and researchers covered different aspects of thin film deposition from basics to advanced techniques. The workshop gave hands-on practice on thin film deposition by vacuum coating unit, spin coating, screen printing and electro deposition techniques. Various aspects of fabrication of different types of solar cells were discussed. (APS2017WA003)

An invited talk was delivered by Dr Sunita Sharma in the National Conference on Functional Materials: State of Art (NCFM-2017) at Sharda University, Noida from 31 March to 1 April 2017. She presented her work on 'Dye sensitised solar cells: from provenance to recent drifts'. The session ended with a good response

Workshop

A workshop on 'Report Writing in LaTeX' was conducted by Dr Anshu, Dr Deepika Rani and Dr Phool Singh on 22 March 2017 for UG, PG, PhD students and faculty members of all branches who are not familiar with LaTeX and need to use it at some point of time to write their thesis or research papers/reports. The objective of the workshop was to provide a broad overview of the basic concepts, operational algorithms and recent theories related to LaTeX. The workshop was attended by 50 students and faculty members.

Dr Sandeep Nagar, G D Goenka University, Gurugram delivered a lecture in the workshop and students were given hands on training to prepare their final-year dissertations in LaTeX. The participants realized the advantages of LaTeX, and learnt to prepare documents, technical papers, presentations, project reports and thesis in LaTeX and were exposed to authoring of academic/research papers for professional societies in LaTeX. (APS2017WO001)

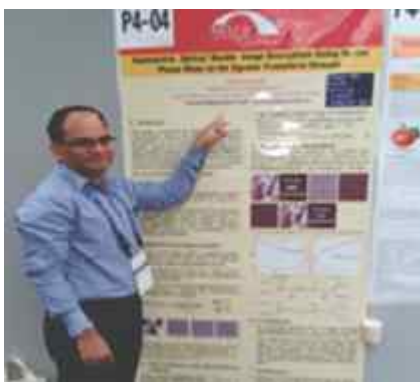


Departmental Activities

- An educational trip was organized to Krishi Unnati Mela held at the Indian Agricultural Research Institute, New Delhi on 17 March

from participants and scientists. (APS2017IT001)

- Dr Hukum Singh, Associate Professor, presented his research paper on the topic 'Asymmetric Optical Double Image Encryption using Vortex Phase Mask in the Gyration Transform Domain' in the 24th Congress of the International Commission of Optics (ICO-24) held from 21-25 August 2017 in Tokyo, Japan. It was one of the most important scientific and technical meetings on Optics and Photonics around the world, where many renowned Nobel laureates presented their research work. Dr Hukum Singh was sponsored by the International Commission of Optics (Japan) and DST (SERB, New Delhi). [APS20170016]



Orientation Programme

The Department conducted an Orientation Programme for the new batch of BSc and MSc students on 28 July 2017. Head, Dept of APS, Dr Ambika Devi talked to the students about the Department and the faculty. They were briefed about examinations, evaluation/grading system by Dr Phool Singh, Dy Dean Academics. Later the students familiarized themselves with the Department by a walkthrough. The event was coordinated by Dr Sangeet Srivastava. (APS20170015)

Faculty Development Programme



A six day Faculty Development Programme was organized by the Dept of APS from 5-10 June 2017 with a focus on the state-of-the-art tools for learning processes and research. The overall goal of the FDP was the enrichment of the faculty and to learn SCILAB for the lab component of Mathematics-I introduced in the curriculum of BTech. Sessions on latest tools for research such as Mendeley and Science Direct were conducted by experts from eminent institutes.

The FDP started with a brief talk about its layout, activities and sessions planned, by Dr Ambika Devi, Head, Dept of APS followed by the 1st technical session on 'Introduction of SCILAB software tool' by Dr Sangeet Srivastava. He discussed the use of SCILAB, introduced the basics of SCILAB tool and through practicals and hands-on session helped faculty gain understanding of the software. Dr Gaurav Gupta took a hands-on session on SCILAB and showed the practicals that are being introduced in the forthcoming semester.

Prof. Harish Narang, JNU, Delhi delivered a lecture on 'Language, Culture and Society' and discussed the need for understanding the language,

culture, society and hence, prioritize for them. Dr Umesh Sharma, Scientist E, Department of Science and Technology, New Delhi spoke about various funding schemes and Dr Subhra Dutta, Elsevier spoke about 'Awareness of SCOPUS and other tools for research management'. Dr Dutta introduced three research tools in her lecture namely, Science Direct, Scopus and Mendeley. These platforms/ software were discussed with a live session using the tools.

Dr Ambika Devi conducted an interesting session on 'Central Research Facility'. This was followed by a brainstorming session on 'Effective pedagogy for Mathematics courses' by Prof. R K Sharma of IIT Delhi. A talk on 'Simulation for Physics, Chemistry and Mathematics' was delivered by Prof. R K Puri. He spoke on the Monte Carlo simulation required for physical processes through examples of simulation which can be used in almost all fields of science. Dr Phool Singh conducted a session on LaTeX and the Microsoft team on 'Office 365' and in the last FDP session Dr AK Yadav shared his experience of classes of 90 minutes duration. (APS2017013)

Faculty Achievements

Dr Hukum Singh was appointed as a Registered Reviewer of Advances in Science, Technology and Engineering Systems Journal (ASTES) on 21 May 2017. ASTESJ is an online bi-monthly journal dedicated to publishing significant advances covering all aspects of technology relevant to physical sciences and engineering communities. (APS20170010)

School of Management

Abhaar Mela



NCU in association with NGO, Goonj, organized 'Abhaar Mela' on 21 March 2017. It comprised of a book fair of used books and the sale of Green Products by Goonj (a brand

built around reusing and upcycling even the last shreds of materials received). It was heartening to see students coming out in large numbers to buy the books and green products. One-side used A4 sheets

were also collected by the volunteers from across the University and donated to Goonj for further usage. The energetic student volunteers of SOM – Shriya Kaul, Shristi, Tanya Sachdeva, Shivani Bareja and Shivam Panwar worked relentlessly to make it a memorable event.

At the end, the students not only conveyed the message of the Mela, 'Gratitude helps us to see what we can do instead of what we cannot' but added to it 'No one can do everything but everyone can do something.'

Industrial Visits

- ❑ SOM organised an industrial visit to the Mother Dairy Plant, Patparganj, Delhi, on 22 March 2017 for the students of BBA-III, BCom-III and MBA-I. The presentation and the plant visit made the students aware of the entire production process. The students learnt about the transportation guidelines and the unique distribution network of bulk vending milk booths, retail outlets and mobile units. The various quality control measures adopted were also shared and students learnt about the totally automated and internationally designed process of milk production.
- ❑ An industrial visit to Carrier Aircon, Gurugram was organized for the students of the course CILE, comprising mostly of Mechanical Engineering students, on 24 March 2017. Students were briefed about the history of the world's largest provider of air-conditioning,

heating and commercial refrigeration systems. The students were taken on a round of the plant where they saw different assembly lines, QC tools, 5S and hi-tech machines used for production of air conditioners and heat exchangers.

- ❑ Dr Sushmita Biswal Waraich visited Videocon Industries Ltd (Corporate Office), Gurugram, on 21 July 2017 to discuss about the performance of the summer interns as well as further association with SOM. [SOM2017O002]



Faculty Activities

- ❑ Dr Sushmita Biswal Waraich visited Sony India, Delhi for an interaction with an MBA student's mentor, doing her internship there. Further association with the University was also discussed.

Dr Sushmita was invited to attend the special event organised by National HRD Network, Gurugram, on 'Harnessing Creativity & Innovation for Business Impact' on 17 March 2017 at MDI, Gurugram. The panel members consisted of senior managers who shared their experiences and cited examples from their organisations in the context of the topic.

Dr Sushmita was invited by the Director, CME (AIMA) to attend the Management and Entrepreneurship Skills Summit on 23 May 2017 at The Lalit, New Delhi. The theme of the summit was 'Skill India-The Road Map'. [SOM2017CA001]

Dr Sushmita Biswal Waraich and Ajay Chaturvedi got a business case titled 'Eco Tasar Silk: Sales Force Calling it Quits' (May 2017) published with Ivey Publishing (Richard Ivey School of Business Foundation, 9B17C019, Version: 2017-05-08). This will be listed with Harvard Business Publishing shortly. [SOM2017CD001]

The Pioneer published an article titled 'A Unique Start-up Culture in the Making' written by Dr Sushmita Biswal Waraich on 4 June 2017 and can be accessed at <http://www.dailypioneer.com/sunday-edition/agenda/Opinion/a-unique-start-up-culture-in-the-making.html>

- Dr Shilpa Sindhu attended the 16th National Case Writing Workshop organized by Prestige Institute of Management, Gwalior from 29 April to 1 May 2017 and presented a Case titled 'Something new something different a newspaper's struggle for differentiation'. This will be sent to Case Centre, UK for publication. [SOM2017WA001]
- Dr Ruchi Nayyar attended the 8th Indian Management Conclave 2017 at IIM Lucknow- Noida Campus by MBAUniverse.com from 4-5 August 2017. The theme of the conclave was 'MBA Curriculum for New Era' and the key topics of the conclave included MBA/PGDM Policy, improve curriculum, how to

accelerate accreditation process and how to offer IBM Business Analytics Program. [SOM2017CA002]

- Dr Preeti Chawla, Assistant Professor, along with MBA 1st Year students attended the 4th National Summit on Non-banking Finance Companies (NBFC) organized by ASSOCHAM on 23 August 2017 at Hotel Imperial, New Delhi. The summit highlighted the role of NBFC'S in promoting economic growth. [SOM2017CA003]

Faculty Development Programme



During the FDP from 5-10 June 2017 sessions on 'LaTeX' were delivered by Dr R Narasimhan, Dean, SOM and Dr Mansi Khurana which provided extensive training to faculty on usage of 'LaTeX'. Mr Satish Kaushik, an expert counselling psychologist, talked about profiling of students by teachers as a preliminary step towards effective learning by students. He also discussed the various techniques of appreciation for motivating students.

Prof. Prem Vrat, provided insights to PhD supervisors on 'Successful approaches for PhD research completion' where he discussed the problems faced by PhD researchers and coping strategies to enhance performance. He also highlighted the importance of following ethical practices for creating a nurturing research environment. The session was attended by the faculty of SOM and

CLL.

Dr Sushmita Waraich conducted a session on 'Mentoring Relationships'. She emphasized the relevance of mentoring and explained the difference between mentoring and coaching, counselling, training etc. She explained the concept of mentoring by taking instances from the Bhagwad Gita, educational institutions and the corporates, where it is extensively used. She discussed a case study with the participants. Dr Narasimhan conducted a personality assessment test and discussed the role of traits and mentor's responsibilities. He discussed scientific ways of writing a case study and discussed the importance of clarity, accuracy, relevance, logic, fairness, completeness and depth as essential elements of a good case. The FDP was coordinated by Dr Saumya Dixit. [SOM2017FO001]

Faculty Achievement

Ms Jiveta Chaudhary was awarded a Gold Medal, and the 'Best Student of The Year – 2016' award for topping and securing First Rank all India in the Diploma in Training & Development, Indian Society for Training and Development (ISTD), New Delhi. She received the awards at the convocation on 18 June 2017. [SOM2017O001]

Orientation Programme

School of Management organized an Orientation Programme for its visiting faculty on 5 August 2017. New members were familiarized with the processes and policies of SOM/University. Dr Sushmita Waraich, Head, SOM briefed the members regarding their roles and responsibilities, ERP, examinations, results and clarified their doubts related to the day to day activities. Dr Alpana Agarwal explained the Learning Management System, Dr Saumya Dixit demonstrated the use of OTMS and Dr Jaya Ahuja deliberated on the evaluation and result preparation system. [SOM2017WO002]

Dean's Outreach Activity



Dr R Narasimhan, Dean, School of Management, attended a talk delivered by Prof. Michael Porter, Harvard Business School, on 'Social Progress' organized by India Competitiveness Forum on 25 May 2017 at Taj Palace, New Delhi. [SOM2017CA002]

Guest Lectures

- Prof. Andrew Sturdy, Head-Department of Management, University of Bristol, UK delivered a lecture on 'Management Ideas: To Attain a Competitive Edge' on 3 May 2017. Professor Sturdy, in his lecture, provided insights for adopting and using ideas. He discussed how management is akin to fashion with changing preferences, why managers adopt new ideas and emphasized the role of strategy in selling new ideas. He also discussed about the generation of innovative ideas in an organization and shared several industry relevant examples. It was a learning and interactive session where students discussed many issues. The session was coordinated by Dr Saumya Dixit, along with student coordinators of BBA 4th Sem.
- A guest lecture was organized for BSc Economics students on the topic 'Unlocking the potential of your Economics Degree' by Ms Neha Malhotra, Associate Professor, Indian School of Business and Finance and an alumni of LSR, University of Delhi and the London School of Economics on 24 April 2017. The students were introduced to the world of opportunities and career options after earning a degree in Economics. Ms Neha spoke about how students should plan their next step and what challenges they would have to face in the future. She explained the increasing demand for economists in the industrial and service sector and suggested many career options that students might not have considered to venture into after economics. Students came up with many queries in the highly interactive session.
- A lecture on 'Employee Performance in the Era of Competition: Industry Perspective' was delivered by Mr Rajesh Tara, VP-HR (Usha International Ltd) for the students of BBA, B Com and MBA on 25 April 2017. Mr Tara discussed the role of a Manager in understanding the needs of the 'people' in an organization. He stressed upon the consistency of performance for succeeding in any field and said that every organization must ensure the most effective and efficient utilization of these resources. Performance management should be a combination of the evaluation component as well as potential identification. He also shared that it is not only 'what' employees have accomplished i.e. performance goals, but also 'how' the work was performed i.e. competencies. The event was coordinated by Dr Sushmita Biswal Waraich.
- Mr Peter de Jager, a world renowned speaker, orator and management consultant from Ontario, Canada gave an invited talk to the School of Management on 25 July 2017 on the topic 'Problem Solving'.
 "Problems don't get solved until someone owns up and says it is a problem and finds a solution" was the opening of the interesting talk. For one to solve a problem, right conditions must first be set up to implement a solution. You become a problem solver if you know how your brain works. You understand the 'givens' then ask yourself, 'what do I want to do with them' and 'to what end'. Get an understanding and agreement of what the problem is. This step when done with attention solves half the problem itself. What 'operators' do you use for the 'givens' to solve which 'problem' are the steps towards getting an understanding of the problem to be solved and agreement with it.
 During the course of his lecture, Mr Jager illustrated the different ways of how the brain processes a problem

situation with examples. He concluded his lecture by saying that problems often arise out of our own perceptions and desires.

Pre Placement Preparation

Pre Placement Preparation is crucial to help students gear up to face the professional world. Keeping this in mind SOM organized Pre Placement Interviews on 22 April 2017 for MBA students. Alumni of SOM - Pushap Karan, Class of 2014 (Macquarie, Investment Bank), Rishika Singhal, Class of 2014 (Moody's Analytics-Investment Banking Division), Noopur Gupta, Class of 2014 (Quotemykaam.com (Home services provider), Trisahla Bhan, Class of 2015 (Proviti), Abhinav Malik, Class of 2015 (Protiviti) and Puneet Khanduja, Class of 2015 (Mercer Consulting) – made it to their alma mater for this event. The interactive session started with the alumni sharing their journey from campus to the corporate world followed by an interactive session. Thereafter the PPIs commenced with three panels. Each panel spent an average of 20-25 minutes on each student giving detailed feedback on their strengths, areas of improvement, CV correction etc.

New Faculty

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

Talent Search at SOM

'Talent Search' – a competition based event was organized at SOM from 18-21 April 2017. The objective of conducting this was to identify and encourage students who are self-driven and look beyond their textual knowledge. It comprised of various competitions namely Extempore, Video Analysis, Case Analysis and Creative Writing. Students from BCom (H), BSc Eco (H), BBA and MBA took part in these competitions. The event was coordinated by Dr Alpana Agarwal, Dr Mansi Khurana, Dr Saumya Dixit supported by students Vimal Dahiya, Mahima Anand and Manu Jain.

School of Law

National Conference on Criminal Justice Administration in India: Contemporary Issues & Challenges



School of Law in collaboration with the Indian Bar Association organized a 'National Conference on Criminal Justice Administration in India: Contemporary issues & challenges' on 8 April 2017. Dignitaries from the legal fraternity such as Justice Vidya Bhushan Gupta, Former Judge, Delhi High Court, Prof. (Dr) GS Bajpai, Registrar, National Law University Delhi, and Shri KTS Tuli, Senior Advocate, the Supreme Court of India were present at the inaugural ceremony. In his welcome address, Prof. Prem Vrat, Pro-Chancellor, NCU expressed his pleasure in hosting the

conference on a contemporary theme and noted that "A holistic approach is the need of the hour towards facilitation of better criminal justice administration". One of his suggestions was interlinking of law and technology to facilitate smoother administration of justice.

Emphasizing on the importance of the conference in an area which is highly crucial in today's time, Mr KTS Tuli expressed concerns about the invisibility of the victims and the plight of the poorer sections in the criminal Justice System. He also provided concrete suggestions

such as recording of telephone calls in police stations during registration of cases and setting up of a separate interrogation room facilitating a fair process.

Justice Vidya Bhushan Gupta shared some of his experiences and challenges encountered during the justice delivery process and also highlighted the plight of victims in the process.

Prof. Bajpai suggested that they should focus on conducting empirical studies to identify major challenges in the Criminal Justice System. The conference had various technical sessions where around one hundred students and professionals from different institutions presented their research papers. The sessions were chaired by eminent academicians. Three research papers were awarded prizes in the conference: 1st Prize - Arshia Katyal, USLLS (GGSIPU), & Smrita Sinha, Amity Law School, Delhi; 2nd Prize - Anusha Arif & Akash Chaudhury, Aligarh Muslim University, UP; 3rd Prize - Jyotsna Arora & Karandeep Singh, USLLS (GGSIPU) (SOL2017CO001)

NCU School of Law National Moot Court Competition (IV Edition)



SOL organized the fourth edition of NCU School of Law National Moot Court Competition (NMCC) from 22-23 April 2017 on a pressing issue of Environmental Law for which it has been conferred the title 'Indian Stetson'. It was organized on the occasion of Earth Day and was inaugurated by Hon'ble

Justice Swatanter Kumar, Chairperson, National Green Tribunal and graced by the presence of Hon'ble Justice RS Rathore, Judicial Member, National Green Tribunal and Hon'ble Justice S N Aggarwal, Former Judge of Delhi High Court.

The Moot Court Competition witnessed participation from national and private Law Schools all over the country such as UPES Dehradun; Symbiosis Law School, Pune; National Law School, Assam; National Law University Ranchi; and Tamil Nadu National Law University, etc. The Moot Proposition

revolved around the contemporary environmental regime in India and stressed upon the importance of sustainable development in urban as well as rural areas and the need for not jeopardizing the interest of the society for our personal financial interest. The event was judged by eminent scholars and advocates of environmental law.

Justice Swatanter Kumar in his opening statement quoted Mahatma Gandhi: "Nature has enough for our need but not for our greed." Highlighting the problem discussed in the moot proposition he said, "Today, water is more precious

than petrol. Thus, we need to change our approach to manage this resource. If we talk about Gurgaon, the condition is rather serious here. The city needs to protect its fast-depleting groundwater levels. All stakeholders should work together to save groundwater." Commenting that it is the youth who have the power and ability to protect our environment, he graciously announced internships for NCU law students with NGT considering the augmenting zeal and the efforts.

In the Moot Court Competition out of the 18 teams, 8 teams qualified for the

quarter-finals and 4 teams qualified for the semi-final round. In the final round the team from UPES, Dehradun, emerged as the winner of the competition and was awarded a cash prize of Rs 50,000 and Runners-up JSS Law College, Mysore won a cash prize of Rs 30,000. The Best Memorial Award of Rs 10,000 was bagged by SLS, Pune and the award of Rs 10,000 for the Best Student Advocate was won by Twinkle Hussain from Lloyd Law College, Greater Noida. (SOL2017O005)

Ranking

School of Law, The NorthCap University is placed among top law schools by Global Human Resource Development Centre, New Delhi. NCU's School of Law was awarded '3rd Rank in the Northern Region' and '8th Rank amongst Top Law Schools of Eminence All India' in the National Law Schools Survey 2017 conducted by Global Human Resource Development Centre (GHRDC), New Delhi.



Visit to Juvenile Home

A visit to the Prayas Observation Home for boys as well as the Juvenile Justice Board II, Delhi was organized on 29 March 2017. 70 students visited the home run by the Prayas Institute of Juvenile Justice under the MoU signed with the Department of Women & Child

Development, New Delhi. One of the primary objectives of the visit was to conduct an empirical study on various rehabilitation measures adopted by the Home for delinquent juveniles. The Principal Magistrate of Juvenile Justice Board, Shri Murari Prasad Singh addressed the students and explained the procedure of trial and rehabilitation measures including the changes incorporated in the new Act and challenges involved. The students had an opportunity to interact with the inmates and the instructors providing training to the children of various age groups. The students were accompanied by faculty members Ms Archana Sarma and Mr Navin Pal Singh. (SOL2017V003)



Movie Screening

The documentary movie titled 'Martyrs of Marriage' directed by Deepika Narayan Bhardwaj, journalist and documentary filmmaker was screened on 7 April 2017 in the University Auditorium. The screening was attended by eminent dignitaries like Ms Bharti Arora, IPS Officer; Prof. BT Kaul, Chairperson, Delhi Judicial Academy,

Ms Neena Bansal, Director (Academics), Delhi Judicial Academy and Mr Raman Malik, BJP Haryana Spokesperson.

The 90 minute documentary film documents the injustice that has been perpetrated on people because of misuse of Section 498A of the Indian Penal Code commonly known as the Anti-Dowry law in India. The screening was followed by an interactive session. The film depicted reality of a law that was made to save lives, but has instead taken many lives as well. (SOL2017O004)

Guest Lectures

□ To focus on the practical aspects of the investigation process as well as the lacunae involved in it, SOL organized a special lecture on 'The Role of Law Enforcement Agencies in India' by former ACP, Delhi Police, Mr Ramesh Chander on 27 Feb 2017. During his interaction with the students, Mr Chander explained the procedure for registration of criminal cases in the police station followed by investigation of the same which included spot inspection, examination of



witnesses, medical examination of accused, co-ordination with forensic laboratories, prosecutors etc. He emphasized on the fact that different investigation techniques are to be applied for different cases and challenges vary from case to case. Having served as a senior officer in the Police for several years, Mr Chander shared his experiences including the challenges encountered during his service. He also referred to some of the landmark cases where he was a part of the investigating team. It was a great learning experience for the students. (SOL2017G003)

- SOL organized a special lecture by Mr Ranjeev C Dubey, Managing Partner of law firm, N South Advocates on 24 March 2017. He initiated the lecture by taking an audience poll as to why students want to pursue law. Most of the options included fame, glamour, fortune, politics, and intellectual satisfaction. Sharing his experiences of working at Tis Hazari court, he stressed on the importance to start from the lower courts, as lessons in law start at the roots i.e. the lower courts.

Mr Dubey mentioned that Law is a 'thinker's profession' i.e. everything has to be backed by logic. Emotions have no place in courts. He stressed on the importance of winning in law as there is no prize or recognition for attaining the 2nd position. The lecture was followed by an interactive session where he replied to several questions posed by the students. (SOL2017G004)

Workshop Attended

- To promote awareness about Intellectual Property Rights, the Cell for IPR Promotion and Management (CIPAM), a professional body under the aegis of the Department of Industrial Policy & Promotion (DIPP), Ministry of Commerce & Industry, GOI organized a three day workshop at The Ashok Hotel, New



Sr Advocate Kulbhushan Bhardwaj delivered a lecture on the topic 'Need of Legal Aid in Society and Career in Law' to law students in association with Shashakt Nari Parishad and an NGO 'Farishtey' on 25 August 2017. He spoke about Free Legal Aid, ways to help poor litigants and how a lawyer can contribute in improving public perception towards the judicial system.

Sr Adv Kulbhushan is a practicing advocate at the Distt Bar Association, Gurugram and a well known social worker running the NGO 'Farishtey' to provide free legal aid to the needy and poor litigants. He was accompanied by Ms Deepa Antil, President, Shashakt Nari Parishad, Gurugram. She is working in the area of Women Empowerment and the development of the underprivileged. Ms Deepa motivated the students to pursue legal studies effectively and vibrantly, contribute towards women empowerment and cultural development in society. (SOL2017G006)

Delhi. Speaking at the inauguration of the workshop Shri Rajnath Singh, Union Minister of Home Affairs, said that counterfeiting and piracy activities give rise to serious organized crimes.

Students from SOL participated in the event and Mr Navin Pal Singh, Assistant Professor, attended the inaugural ceremony. The workshop aimed at providing assistance to enforcement agencies across the country to understand and appreciate the importance of their role in IPR enforcement. (SOL2017WO001)

Workshop

On 25 August 2017, Lexis Nexis workshop/training was organised for first year students of BBA-LLB(H) and new faculty of SOL. Ms Panchali Moitra spoke about Lexis Nexis and its importance in the legal domain in contemporary times. She also gave a demo to show how cases and journals are to be searched on LexisNexis website.

Plantation Drive

SOL in association with the District Legal Services Authority initiated a plantation drive at the University campus under 'Save Environment Save Life: A Clean and Green Campaign' on 25 August 2017. Faculty, students and NCU's Rotaract Club enthusiastically participated in the plantation drive and pledged for a green and clean Gurugram. (SOL2017O010)



Road Safety

To raise awareness about Road Safety, SOL organized 'One life Road Safety Awareness Programme' at the University in association with the District Legal Services Authority, Gurugram during which a painting competition was organized on 25 August 2017.

The event aimed at sensitizing the students about the safety measures that they should take on the road and to raise awareness about the hazards of rash driving and breaking traffic rules. The winner of the painting competition was Siya Atri, 1st Year BBA-LLB. (SOL2017O011)



Faculty Development Programme

To provide in-depth understanding about pedagogy of research and teaching in the domain of Law, the Centre for Post-Graduate Legal Studies at SOL organized an FDP on 'Legal Research and Teaching Methodologies in Contemporary Era' from 5-10 June 2017. The aim of the FDP was to provide better understanding about various methods of research and to create awareness about the role of legal research in the development of law.

Prof. (Dr) Furqan Ahmad, Indian Law Institute, Delhi chaired the first session of the FDP and spoke on 'Effective Pedagogical Tools in Legal Education'. Dr Kanu Priya, Head, SOL stressed upon the importance of Bloom's Taxonomy to better understand a students' level of understanding and syllabi to be framed accordingly. Ms Prema Iyer delivered a guest lecture on 'Mentoring as a technique for effective teaching'. She spoke about various issues such as student and faculty counselling and how



Dr Keerti Jain conducts a training session on 'Statistical Package for the Social Sciences'

it can be effective in improving teaching and student receptiveness.

Prof. (Dr) M Afzal Wani chaired a session on 'Research Methodology' with special reference to Empirical Research. Dr Keerti Jain conducted a training session on 'Statistical Package for the Social Sciences' (SPSS) which can be used in Empirical Research relating to socio-

legal studies in the field of Law. Cyber Security Expert, Capt. AK Kataria delivered an expert talk on the topic 'Cyber Security and Recent Issues'. He discussed about issues relating to cyber security, current trends in the field of cyber security, possible cyber threats and their solutions. [SOL2017FO001]

NCU Law Students shine in LLM CLAT (PG)

The BBA-LLB (H) students put up an admirable performance in LLM CLAT 2017 conducted for admission to the National Law Universities across the country. Raghav Kumar (Class of 2016) achieved the Best All India Rank (AIR) of 23. He opted for NUJS, Kolkata. From the Class of 2017: Yogita Bangar was the Best Performer (AIR43)- admission in NLSIU, Bengaluru; Urvashi Bhardwaj admission in NLSIU, Bengaluru; Akansha Gupta admission in NALSAR, Hyderabad; Surabhi Sharma and Prashant Tiwari admission in GNLU, Gandhinagar.



Raghav Kumar



Yogita Bangar



Urvashi Bhardwaj



Akansha Gupta



Surabhi Sharma



Prashant Tiwari

Internship

The National Green Tribunal offered summer internships to eight Law students. They were selected on the basis of their significant contributions in organizing the World Conference on Environment 2017. Their efforts were also appreciated by Hon'ble Justice Swatanter Kumar when he inaugurated the NCU National Moot Court Competition-2017 at NCU campus and offered internships to Anuraag Mehta, Ramanpreet Singh, Rashi Shahrawat, Abhishek Dhingra, Bhavya, Brijesh Ladwal, Himanshu, Karan Singh Sohal. (SOL2017V003)



NCU Law Students admitted in top foreign universities

Two students secured admission in prestigious foreign universities to study LL.M, viz., Ms Sunethra S (Topper of Class of 2017) in Advanced Studies programme, Public International Law, University of Leiden, The Netherlands; Mr Suyash Srivastava (Class of 2017) in University of California at Berkeley (UCB) Boalt Hall.



Sunethra S.



Suyash Srivastava

Faculty Activity

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

New Faculty

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

Rotaract NCU Club

The Rotaract NCU Club was formally inaugurated by the Rotary Club Governor at Hotel Queens Pearl, Gurugram on 3 June 2017. Dr N Subramanian, District Governor and Mr Dilip Grover, President, Rotary Club, Gurugram handed over the Certificate of Organization to student volunteers and Mr Subhradipta Sarkar, Assistant Professor, NCU. The Rotaract NCU Club started with 30 volunteers mainly from SOL. The Club's President is Shreya Gupta, Secretary - Tashi Vaish and Faculty Advisor is Mr Subhradipta Sarkar.

To mark the establishment of NCU's

Rotaract Club 'Genesis' an Installation Ceremony was organized under the aegis of the Rotary Club, Gurugram on 24 August 2017. Some of the highlights of the Ceremony included collaring of President Rotaractor, student Shreya Gupta, pinning of Secretary, Rotaractor, student Tashi Vaish and other Board members.

Addressing the gathering Rotarian Dr Sushil Khurana appealed to the youth to take up social causes to bring change in society. Rotaractor Mr Anmol Chawla encouraged Rotaractors to focus on smaller communities with greater commitment. (SOL2017O009)



“Education is the most powerful weapon which you can use to change the world.”

- Nelson Mandela

Placements

School of Professional Attachment (SPA)

A healthy and sustained corporate linkage is a vital indicator of the overall grooming and job placement of students. The School of Professional Attachment (SPA) has been constantly and vigorously moving forward to establish such professional linkages with the corporate world which includes MNCs, Indian corporates both in the private as well as Government sector, SMEs and good startups.

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

- ❑ **DENSO**, a core company for **Engineros** conducted its selection process on 1 March 2017 for ME students wherein five students were extended job offers.
- ❑ **V-Konnect Consulting** conducted an on-campus selection process for MBA students on 2 March 2017 and four students got the final job offer.
- ❑ **Sona Koyo Steering**, a core company for Mechanical Engineers conducted a selection process on 3 March 2017 and one student got a job offer.
Sona Koyo Steering conducted its selection process on 21 April 2017 and one ME student was hired.
- ❑ **McKinsey & Co**, a worldwide management consulting firm, for the first time conducted its campus selection process for BTech, CSE & IT students on 3 March 2017 and hired two students.
- ❑ **DLF Golf Resorts** hired one MBA student for core HR profile in the selection process conducted on 8 March 2017.
- ❑ **Nagarro**, a custom software development and business consulting company, for the first time hired one MSc (Mathematics)

Ericsson, a multinational networking and telecommunication equipment and services company conducted a pool campus process at NCU on 10 March 2017. The outcome of the drive was 27 selections.



Fidelity International



Mr Jonathan **Hewitt**, **Fidelity International**, **UK** along with other HR and technical experts visited NCU on 4 April 2017 to interact with BTech 3rd Year students as a Pre-Placement Interaction and Assessment. The visiting team was highly appreciative of the facilities and the standard of students at NCU.

Fidelity International successfully completed three weeks of campus training programme for the 12 students (Class of 2017) selected on 9 June 2017.

Fidelity International conducted a selection process for Engineering students on 21 August 2017 in which 18 students got job offers.

- student during the selection process conducted on 10 March 2017.
- Nagarro conducted its campus selection process for our BBA and BCom students on 18 May 2017.
- ❑ **Express Roadways**, one of India's fastest growing logistics companies renowned for its domain expertise in the transportation sector, for the first time conducted its campus selection process on 17 March 2017 wherein nine students got the final placement offer.
- ❑ **Laurent and Benon**, an established market player that has forayed into myriad business interests, conducted its campus selection process for BTech and MBA students on 16 March 2017 and one MBA student was hired.
- ❑ **Home Credit India**, an international non-banking financial institution selected one student from NCU during the selection process conducted on 18 March 2017. Home Credit India conducted an on-campus process at NCU on 10 April 2017 and one BTech CSE student was hired.

- ❑ **Lutron**, a technology-centered and people-driven company visited the NCU campus for the first time for the final placement selection process on 24 March 2017 and one EEE student was hired.
- ❑ **Big Drop Technologies** conducted its campus selection process for engineering students on 3 April 2017 and four students got the final offer.
- ❑ **VVDN Technologies**, a product development company hardware, software, Cloud, mobile app, mechanical and manufacturing for the first time conducted its campus selection process on 12 April 2017 and hired three students.
- ❑ **Cvent Inc**, a privately held software-as-a-Service (SaaS) company that specializes in Meetings Management Technology conducted its selection process on 26 April 2017 wherein one student got a job offer.
- ❑ **Real Time Data Services** conducted its campus selection process for BTech students on 18 May 2017 and two students got the final offer.
- ❑ **Total IT Consult**, a global IT solutions provider with presence in 43 countries and more than 165 cities across the globe, conducted an on-campus placement drive on 17 May 2017 and made job offers to three students.
- ❑ **Jacobs Engineering**, a Fortune 500 company structured around four lines of business: Aerospace & Technology, Buildings & Infrastructure, Industrial, and Petroleum & Chemicals conducted its campus selection process for BTech students on 27 May 2017 and six students were hired.
- ❑ **Cadence Design Systems Inc**, an American multinational electronic design automation software and engineering services company, conducted its campus selection process on 1 May 2017. Two students cleared the test thereafter one ECE student was hired.
- ❑ **Bonn Nutrient Pvt Ltd**, a food

Total IT Consult, a global IT solutions provider with presence in 43 countries and more than 165 cities across the globe, conducted an on-campus selection process on 11 April 2017 for our students wherein two students got job offers.



British Telecommunications, a British multinational telecommunications services company with head offices in London visited NCU for an on campus selection process for B Tech students. The company officials were highly appreciative of the quality of NCU students and made placement offer to 24 students.



Director SPA welcomes Total IT Consult team

- processing company based in Ludhiana, Punjab conducted an internship selection process on 17 May 2017 for MBA & BBA students and seven students were selected.
- ❑ **Deloitte Touche Tohmatsu Ltd** commonly referred to as Deloitte is a UK incorporated multinational professional services firm. It conducted its campus selection process for ME students on 2 June 2017 where four students got the final offer.
Deloitte conducted a selection process for students of BTech and MTech (Class of 2018) on 11 August 2017. Post the selection process 30 students were extended job offers.
- ❑ **Daikin Air-conditioning India Pvt Ltd (DAIPL)** is a 100% subsidiary of Daikin Industries Ltd, Japan, a global leader in the manufacturing of commercial-use and residential air conditioning systems. The company carried out an on-campus placement drive at NCU and gave job offers to three BTech ME students.
- ❑ **Plasser India**, a manufacturer of high performance machines for track maintenance conducted its selection process for students of BTech, ME and ECE Class of 2017 and two students got the final job offer.
- ❑ **Yatra.com**, an Indian online travel agency and a travel search engine based in Gurugram, conducted an on-campus hiring process for the first time at NCU for BTech CSE students wherein two students bagged the coveted job offers.
- ❑ **Gemini Solutions**, a global IT consulting firm and a leading offshore outsourcing company with specialized focus on financial services, conducted an on-campus selection process for BTech (CSE) students on 24 August 2017 and hired five students.
- ❑ **LIBSYS Ltd**, a leading provider in Library Management Systems, visited NCU for a campus selection process for BTech (CSE) students on 29 August 2017 wherein one student got the final job offer.

Chicago Bridge & Iron Company NV (CB&I) is a large engineering, procurement and construction (EPC) company. It visited NCU for an on-campus selection process of BTech students on 9 June 2017 where one student got the final job offer.



Students' Engagement Programme with corporates:

- ❑ Nagarro conducted Code-N-Counter 2.0, a coding challenge held on 19 August 2017. It gave students a platform to showcase their programming skills.
- ❑ Commander BS Rana (Retd), running an SSB Coaching Academy at Delhi Cantt, delivered a motivational lecture which was attended by students of BTech (Class of 2018) on 30 August 2017.

Alumni Speak



Vidhi Sachdeva
EECE, Class of 2015

Reflections and Learnings: A tryst with the year that went by...

Vidhi Sachdeva, a student on the Dean's list, was campus placed with Deloitte India (Office of the US) as Advisory Analyst. However, after working for a year, she decided to prepare for CAT and go for higher studies.

She says: "Reflecting on the last one year, my journey has been full of moments of extremes. There were times when I was confident about my future and then there were periods of anxiety and doubts as well. The only constant factor remained the mentoring I received from my faculty and elders. At times, to take a step forward, it is necessary to pause and analyze what is it that we want to do and where is it that we want to go.

I worked for over a year at a leading multinational corporation and the experience has been enriching owing to the challenges, opportunities and learning. Yet I felt a gap when viewed with the lens of career longevity. I regularly visited The

NorthCap University to discuss with my faculty and gain their insights. Their experiences and advice are invaluable and I often found my confusion clarified after a hearty discussion. Results came in January 2017 and then ensued the process of interviews. I feel blessed to have been guided by the best faculty and have the support of my family and friends who never failed to encourage me."

P.S. It is nostalgic to see junior batches contacting me to discuss the same doubts that I had a year ago :) Feels like life has come a complete circle indeed!



Sankit Gupta
Executive Director,
Express Roadways Pvt Ltd
B Tech Mechanical,
Class of 2014

Mr Sankit Gupta was responsible for carrying out an on-campus placement drive at NCU and offered jobs to nine students. He shared his experiences after interacting with the students:

"At the outset, I would like to convey my sincere thanks to you, your respected team members and above all the concerned students for the gesture and cooperation extended during the entire session of our interaction and in the recruitment process.

It is a wonderful experience for us to interact with your able and mature students who all are well groomed under your supervision and guidance.

In fact, it was a very tough decision to say 'NO' to any candidate and each one of them has shown their best. However, we are constrained to finalize a few of them for this session particularly for our North operation."



Pallavi Sharma
Delloitte, Analyst
B Tech ECE,
(Class of 2014)

I was placed with Deloitte from college and have been working with them for close to three years now. Recently, I have also secured admission to INSEAD's MBA programme with a scholarship. INSEAD's MBA is currently globally no#1 and I start at Singapore.

As an alumnus of ITM (now NCU), I would like to contribute to my alma mater. I will be happy to engage with students for counselling sessions especially if they are looking to move into consulting or looking forward to studying further for MBA. Again, I also want to thank the University and our extremely talented faculty who have contributed to my success."



Utkarsh Srivastava
Graduate Engineering Trainee
British Telecommunications plc
B Tech EEE, Class of 2017

"My experience of the British Telecom campus drive was a very smooth and impressive one. Their online test was based entirely on the profile and skills they required, which I think was very relevant and appropriate. The other two rounds i.e. technical and HR were also to the point but the main attraction of the drive was the management round which was conducted in their office itself. They showed us around their campus and let us have a glimpse of what we'll be doing, as an employee of BT.

The Senior Director, Mr Manish addressed all the selected candidates with warm wishes and inspiring words which made me feel proud to be selected to work at BT. Overall, my experience with all the officials of the company and our University placement process was positive and motivating and I feel lucky to be placed in such a large organization as it will give me an opportunity to have vast exposure and learn a lot."

Students Speak



Shringa A Vatas
Deloitte
BTech CSE,
Class of 2018

Deloitte is a big name in itself and is the dream company of many students of our University. The aptitude test was taken right after the pre-placement talk and I cleared it. In the campus drive, which took place after a few days, the first round was the group discussion in which we were divided into groups and were to present a case study. After clearing the group discussion I faced the interview panel in which I was asked to walk them through my resume, my achievements in ASQ and my internship project.

After the interview the result was announced and I had grabbed the opportunity. It was a wonderful experience to be a part of this process and I would like to thank NCU for their continuous guidance and support throughout the journey.



Komal Aggarwal
Yatra.com
BTech CSE,
Class of 2018

Hard work is the key to self-confidence which consequently leads to success. Yatra.com, a leading online travel company, conducted a campus placement drive and I had the pleasure of attending it. The placement process started with a pre placement talk by the company. The initial online screening round was followed by a series of interviews, both technical and HR, with eliminations after each round

Interviewers evaluated us on our lateral thinking skills besides technical and communication skills. Though it seemed to be a tough process but my persistence paid off and I was finally selected. This would not have been possible without the constant grooming efforts of SPA. They made us go through several pre-placement sessions so that we knew what to expect in the actual interview process.

Internship

ID Tech Solutions Pvt Ltd, leaders in the next generation of Smart Cards, Plastic Cards, RFID Tags, Card Printers, Handheld Devices, Time Recorders, Access Control Systems and IT and software related solutions conducted a summer internship selection process for BTech students on 17 May 2017 and five students were selected.

CoCubes Employability Assessment Test was conducted for BTech students as follows:

- 3rd Year : 18 May 2017
- 2nd Year : 19 May 2017
- 1st Year : 22 May 2017

Some of our Recruiters



News from the Centre for Languages Learning (CLL)

'YUMS - Yes, U May Speak'



'YUMS - Yes, U May Speak'

CLL organized a two-day literary fest 'YUMS - Yes, U May Speak' on 6 and 7 April 2017. The events were moderated and judged by the founder members of

Abhivyakt Society - Sachin Rajawat, Sukrit Sharma, Akshat Mathur and Sahil Bansal.

In the first event 'Extempore' the topics were witty in nature and demanded creativity from the participants. Siddharth Saxena was the winner and Radhika Agrawal was the Runner-up. The event 'Open Mic' was a casual event with no judging or competition. Students showcased their calibre in stand-up comedy, poetry recitation, voiceovers, singing etc.

A new form of fusion debate 'Savoir Faire' combined elements of MUN's JCC, Panel Discussion and Conventional Debating.

Participants teamed up and debated on 'Should CBFC have censoring powers?' All the participants combined their research with persuasive skills, resulting in an intellectually satisfying debate. At the end, the team 'favouring the motion' was declared the winner, Ishita Mehta was adjudged the Best Speaker and Sushma Yellapragada the Second Best Speaker.

The Literary Fest was coordinated by 1st Year students Rajat Bajaj, Rohan Kevin Broach, Riya Adlakha and Rohin Singh under the supervision of faculty coordinator Dr Divyabha Vashisth. [CLL2017O008]

Altercation – The Great Debate

Altercation, a debating competition organized and coordinated by Abhivyakt, the debating society of NCU is organized every semester. This semester it was an inter-departmental event. The motion of debate was 'This house believes that the practice of the identity politics promotes equality and unity instead of disintegration'. The event held on 24 April 2017 was judged by Dr Divyabha Vashisth and Dr Payal Khurana and adjudicated by founder members of Abhivyakt Society, Sachin Rajawat and Sukrit Sharma.

The debate witnessed exuberant participation from all Departments and Schools. A preliminary round was organized to scrutinize the participants on 21 April 2017. The debaters participated in departmental teams of two: one-for and one-against the motion. They displayed extraordinary eloquence and thorough research of the topic. The results:

Rahul Ghosh and Rishika Deswal, School Of Management stood First and were awarded a cash prize of Rs 2000. Nobel Robinson and Pragya Sharma, School Of Law, stood Second and were awarded a cash prize of Rs1000. Best interjections were also awarded with mementos. Sahil Bansal and Akshat Mathur were the student coordinators and Dr Divyabha was the faculty coordinator of the event. (CLL2017O009)

Consultation Projects

Employee Development Programme

Ms Purna Chauhan conducted an Employee Development Programme on Written Communication Skills at Lirix Technologies, Gurugram on 17 March 2017. The session brought out aspects of a well composed text while focusing on aspects of coherence and unity within the formal composition. (CLL2017O007)

Management Development Programme

Dr Divyabha and Dr Payal Khurana conducted a one day MDP on Business Communication at Dura Heatex India Pvt Ltd, Gurugram on 23 May 2017. The session was interactive and the participants learnt to develop a more confident and persuasive vocal style and use body language effectively to build a rapport. They also gave tips to enhance their writing skills and to ensure that the key message is understood clearly. (CLL2017O010)

Faculty Development Programme

□ An FDP session on Communication Skills for NCU faculty was conducted by Ms Purna Chauhan on 4 March 2017. The interactive sessions provided inputs, practice and tips on conversational skills along with inputs on usage of correct grammar to the participants. (CLL2017FO002)

□ A Faculty Development Programme on 'Emerging Trends and Challenges in Teaching' was organised by the Centre for Languages Learning (CLL) from 5-10 June 2017. Eminent academicians delivered expert lectures, such as Prof Harish Narang on 'Language, Culture and Society', Ms Kritika Gupta and Ms Vinita Upreti on 'YOGA and effective teaching'.

Internal experts, Prof Prem Vrat delivered a lecture on 'Training For PhD Guides', Brig SK Sharma (Retd) on 'Orientation session on effective teaching and curriculum design', Dr Anil Mishra on 'Research Publication and API Scores', Dr Sushmita Wariach on 'Driving individuals towards creative excellence', Dr Kanu Priya on 'Gender Discrimination' and Mr Bilal Ahmed on 'Muslim Laws'. There was a Webinar on Preparing Learners for the 21st Century, 3 Key Interpersonal Skills You Need at Work Today.

The aim of the FDP was to motivate and inspire faculty members and enrich the learning process. The experts helped participants understand that the most important way to enhance learning is by strengthening and updating knowledge, and what we teach and how we teach are inextricably linked and dependent on each other. (20172017FO001)

Centre for Leadership

Guest Lectures

□ An interactive session was organized for the PGDM students on 15 March 2017 with Mr Christopher C Doyle, Founder of The Growth Catalysts & CEO Coach. Speaking to the students, Mr Christopher said, “The material is all there in a business, just call the catalyst, he will do the reaction and make it faster. It's all about making the right mix.”



Mr Doyle spoke about some of the important things that one must learn in life:

- Be passionate about what you are doing otherwise just leave it.
- Failure is important as it teaches how much more work you have to do, in order to taste success
- Success is transient-after achieving success, celebrate it and then start thinking 'What's next?'
- Have clarity of values as it describes a part of you
- Understand the importance of change as things will never be the same. Be adaptable and welcome the change instead of getting rebellious about it.

□ An interactive session was conducted for the one year MBA students on 'Crypto Currency' by Mr Pramod Emjay, Co-founder, CryptoMe on 17 March 2017. Mr Pramod spoke about various crypto currencies, how they are traded on exchanges, how their transactions get recorded and how to make an investment in virtual currencies.



Mr Pramod explained that numerous crypto currencies have been created and are frequently called Altcoins, as a blend of Bitcoin alternatives. Bitcoin and its derivatives use decentralized control as opposed to centralized electronic money/centralized

banking systems. The decentralized control is related to the use of bitcoin's block-chain transaction database in the role of a distributed ledger.

- Ms Anju Talwar, SVP, Quality at Sutherland, shared several inspiring anecdotes from her professional as well as personal life which endorsed the belief of the young graduates that success is all about a positive attitude and persistent efforts. Ms Talwar emphasized that quality of the highest order is essential and the art of execution is an important competitive advantage for any business.
- Mr Biplob Banerjee, Exec VP, HR & CSR, Jubilant Foodworks, raised an important topic 'When good enough is not enough'. He shared his learnings with the students which was an illusion break for them. He said:
 - Good enough doesn't cut it because it doesn't show my talents and passion.
 - Good enough doesn't satisfy me because I'm not at my best if I'm good enough.
 - Good enough isn't who I am on the inside.
- Ms Suman Keshari, Professor of HR at ITM Gwalior, Former Civil Servant was of the view that motivation is the key to success for any team. It is a vital ingredient for achieving productivity. Generally, people tend to overlook their team's motivation and they rather emphasize on focusing at the mainstream work. What they don't understand is the fact that motivation is the driving force as without motivation, jobs would become mechanical, people would lose interest in work and performance overall would go down.

Movie Screening

The movie '12 Angry Men' was screened as a part of the 'People Leadership' module and thereafter discussions were held on negotiations and on people influencing skills.

Placements



Abhishek Goswami

Abhishek Goswami was placed as Assistant Manager, (New Projects) at Spectra Products at a salary of INR 9 LPA. Abhishek was passionate about automotives and this opportunity allowed him to learn about the business of automotive parts.

Course on Experiential Leadership

Students at CFL took a course on 'Experiential Leadership' in which they interacted with business stalwarts, read articles recommended by them and wrote response papers. The goal was to help students understand that there is no fixed journey to leadership and success, and students interacted with Mr Pankaj Sahni, COO, Medanta; Mr Sanjeev Prasad, CIO, Sutherland; Mr Vivek Gour, Founder, Airworks and Ms Anuradha Das Mathur, Founding Dean, Vedica Scholars Programme for Women.

Workshop

Ms Preeti Singh, Leadership and Communication Expert, formerly at McKinsey & Co, conducted a workshop for learning life altering tactics like Pyramid structure thinking in 'People Leadership' and how to translate a pyramid into a vertical document/presentation. The emphasis of the workshop was extensively on clean and structured communication.

News from the Library

- ❑ LIRC renewed subscription to the following E- resources for the year 2017:

ASME (American Society of Mechanical Engineers) for Dept of ME

ASCE (American Society of Civil Engineers) for Dept of CEE,

- E Brary (E-books database)
- Sage Journals for SOM

LIRC uploaded PhD thesis of Dr Ravindra Ojha, Director SOET, on the Shodhganga platform on 7 March 2017.

Two PhD theses of the University were uploaded on Shodhganga in August 2017:

- Thesis of Ms Rita Rana (Guide- Dr Latika Singh, Deptt CSE/IT)
- Thesis of Ms Sunaina Sangwan (Guide- Prof Prem Vrat, School of Management)

- ❑ LIRC revamped its website to make it more user friendly. The new website has many innovative features such as:

- Scrolling layout
- Single window search engine to make search in all subscribed e resources.
- Display of new arrivals in scrolling manner

- Links of Newspapers & magazines
- Links of PhD thesis (with all information about thesis uploaded on Shodhganga)
- Announcement section to make user aware of LIRC's important notices.

Detailed information about subscribed e-Resources (including list of journals)

Please have a look at the following link : <http://library.ncuindia.edu/>

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

NDL includes more than 95000 + thesis by researchers from different Indian universities, more than 262

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

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

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

Training Programme

LIRC conducted a training programme on Lexis Nexis E-journals for School of Law 1st Year students and faculty members on 25 August 2017.



Professional Societies

Google Student's Club

A workshop on Ethical Hacking was organised on 16 March 2017 by the Google Student's Club a coveted student organization at the University. The aim of the workshop was to focus on Ethical Hacking services which are rapidly gaining attention as an essential security practice. The club's core members Prateek Arora and Arushi Thakur organized the workshop, coordinated by Ms Jyotika Pruthi.

OSA Student Chapter

- NCU's OSA Student Chapter received an Annual grant of 400 USD on 27 May 2017 to conduct various activities such as quizzes, seminars, etc. (on and off campus) under the guidance of Dr Hukum Singh, Chapter Advisor, Dept of APS. (APS2017O011)



Nishant Sachdeva
BTech (CSE) 2nd Sem

- Nishant Sachdeva was selected by OSA to represent NCU's OSA Student Chapter at the Student Leadership Conference (SLC) and OSA meeting, 'Frontiers in Optics/Laser Science' (FiO/LS) which was held later in Washington, DC, USA from 17-21 September 2017. OSA paid for the round-trip flight in advance, including cost of conference registration fee and a three night stay at the Washington Hilton.

SAE Society

Team 'Alacrity' of SAE society secured 1st position in the Pre-Virtual Round of 'ISIE-Indian Karting 2017' held at NCU on 18 and 19 March 2017 from among 35 teams participating from across the country.

OSA's Photography Competition

The OSA Student Chapter successfully conducted its first ever photography competition 'FLASH IT' on 18 April 2017. It was a live contest for the day and the pictures were to be clicked on campus. Two exciting themes namely 'Physics in our daily life' and 'Summers Begin' were announced and all shutterbugs on campus captured some lively pictures that truly held the essence of the given themes. All the submissions were reviewed by Alumnus Mr Abhishek Shankar who was a member of the photography club 'Lumiere' and has also

won international photography competitions. The photographs were judged for their conceptualization, composition, relevance to the theme and photographic execution. The winners Raghav Khanna (CSE) and Harsh Sharma (ME), and runners-up Bhaviya Batra and Ayush Mehta (CSE) received certificates and exciting prizes for their admirable performance. OSA Chapter Advisor, Dr Hukum Singh appreciated the efforts made by OSA students. (APS2017O009)

Enactus NCU

- Enactus NCU was awarded the 'Spirit of Enactus Award 2017' for the project 'Inaayat' by Enactus India. The project involved making pencils from newspapers so as to reduce the number of trees which are cut down for the purpose of making pencils, reduce carbon footprint and to generate new employment opportunities for the differently abled people. Enactus NCU's project continues to make a significant impact on the lives they aim to touch and brighten, and will give them a whole new incentive to strive for.



- To spread awareness about waste segregation in society, 'Enactus NCU' in collaboration with NGO 'Sahaas' organized an event on 'World Environmental Day' on 5 June 2017 at Ambience Mall, Gurugram. Waste segregation was explained to the people, 'Nukkad Natak' and games were organized on the theme of segregating various items as biodegradable, non-

biodegradable and hazardous waste. People of all age groups actively participated in the event making it a grand success.

- Students of Enactus NCU launched a book entitled 'Gurugram Handbook on Waste Management 2017-18' in collaboration with the NGO 'Gurgaon First' on 17 March 2017. The handbook consists of sections on Waste Overview, Gurugram Scenerio, Expert Opinion and Waste Directory.
- An Orientation Programme for Enactus NCU was organized on 4 August 2017 to motivate new joinees to work for the betterment of the society. The session commenced with an introduction to the background of Enactus as an international organization and Enactus NCU chapter an integral part of it. Video presentations showed how Enactus teams have so many members across the globe, people who connect with each other from poles apart and work for one single purpose - to take away the miseries from society and strive to spread happiness in every part of the world.

Members of the team shared the thrill and excitement of their journey. Several new and energetic student members joined the Student Chapter under President Madhur Bahl and Faculty Advisor, Dr Dipti Vaya, Dept of APS.

Mathemactive Society

The Mathemactive Society organized a multi-round aptitude test as well as Maths quiz named 'QUIZATICA' on 9 Feb 2017 as a part of the Club Week. The event was a multi-level quiz cum game based on maths and mental ability. The first round was a quiz based on CAT questions within a time limit. The second round consisted of Chinese Sudoku and the third round was a KBC type quiz based on Maths riddles. About 30 students participated and enjoyed the event. The winners were Prince (16BSM016), Allwin (16CSU031) and Nakul (15CSU221). Students Madhur, Ishaan and Umang coordinated the event. (APS2017O003)

CSI Student Chapter

- ❑ The Computer Society of India (CSI) NCU Student Chapter organized a special event for children of Shakuntalam Shiksha Kendra (school for underprivileged kids), Gurugram, on 23 March 2017. The CSI Student Branch organized a gaming session and drawing competition for the children. The objective of this event was to sensitize NCU students towards their social responsibilities and make them aware of the needs of the society. The faculty along with 12 children visited NCU and competed on computer games and participated in a drawing competition. They were given gifts and served refreshments at the end of the event, which was coordinated by Dr A Charan Kumari, CSI Student Branch Counsellor, Dr Prachi, CSI member and Mr Vijay Pratap Singh.
- ❑ To enhance the programming skills and to boost confidence CSI Student Branch conducted a Coding Competition on 22 March 2017. The competition was open to all the students of the University. The winners of the event were: 1st Aadish Goel, 2nd Ayush Singh Rathore and 3rd Rohit. The event was coordinated by Dr A Charan Kumari, CSI Student Branch Counsellor with the support of Mr Vijay Pratap Singh.
- ❑ Aaditya Verma, Abhishek Jain and Ravi Rathee, 1st year CSE students

participated in the Inter-College Technical Fest organized by the CSI Student Branch of Manav Rachna International University on 28 Feb 2017. The team secured First position in the 'Technical Quiz' and Aaditya Verma bagged the Second prize in 'Programming Logic'.

Both the winning teams were from NCU: The Deciders CCTC and Syllogist (DAiV) won cash prizes of Rs 1,50,000 /- each. Abhay, Abhishek and Muskan from CCTC team were given practical challenges in the area of Cyber Security. They were judged on the basis of on the spot challenges in an isolated environment covering both attack and defence. Shivam, Shefali and Shubham from D-AiV team were given a challenge in the form of a large and complex dataset and were judged on the basis of their ability to structure, evaluate, analyze, and identify patterns to derive insights and inferences from it.



Aaditya Verma



Abhishek Jain



Ravi Rathee

- ❑ The CSI Student Branch conducted a workshop on 3D Game development from 17-25 May 2017 for 1st Year BTech students. 21 students were trained to develop games using 3D Unity software. The workshop started with the fundamentals of 2D game development using 'Construct 2' software and students developed fairly good games. The basic concepts of Unity 3D and its user interface were explained and students added different types of objects to manipulate them in the software. After two days of training, the students started developing simple quiz games. The concepts of making terrain, rotational movement of the player based on the user input, animations etc. were the add-ons to their thrill. The students were

equipped with the knowledge to innovatively create a full game.

After five and half days of training all the participants were divided into teams of three and were asked to develop a game in the next twenty-four hours. Though an exhaustive task, students brainstormed ideas and with imagination, creativity and meticulous planning demonstrated the games they had developed.

The winners of the competition were -

1st Position: Manish Vashisht (Multi player ball game)

2nd Position: Ravi Rathee (Skip through)

3rd Position: Hitin Yadav (3BallEscape)

Consolation prizes were given to Deepanshu Gidwani (Cave Thieves), Aaditya Verma (Abandoned) and Tanish Kumar (Ball Game).

The event was organized by Dr A Charan Kumari, CSI Student Branch Counsellor with the support of Mr Vijay Pratap Singh.



Competitive Programmers Club

The Dept of CSE&IT set up the Competitive Programmers Club that is active in organizing online as well as onsite CodeSprints. The club is headed by Devansh Bhatia and Pulkit Kapoor (externally) and Dr Charan Kumari, faculty coordinator.

Codesprint 3

After the success of NCU CodeSprint 1 and 2, NCU CodeSprint 3 powered by HackerRank was organized online on 15 August 2017. Over 150 students registered for it and over 680 submissions were made by the participants from all the

years and courses during the eight hours of intense coding. There were six challenges and the contest ended with the last two remaining unsolved. CodeSprint 3 came out to be a tough one as compared to the previous CodeSprints. Problem setters and testers were students Devansh Bhatia and Pulkit Kapoor. NavKrishna from 3rd Year bagged the First position being the only contestant to solve 1- 4 problems completely. Top 3 Contestants were: Nav Krishna, Rohit Malhotra and Aadish Goel.



Abhimanch Theatre Society

The Abhimanch Theatre Society presented their intense path-breaking play 'Court Martial' at the University on 30 April 2017. The play was written by Mr Swadesh Deepak and directed by the founding member of The Abhimanch Theatre Society Alumnus, Mr Nikhil Malhotra.



The play was well executed by the production team of Abhimanch led by Ankita Mehar and Rahul Ghosh, and witnessed by enthusiasts from NCR. We are told that some Alumni flew in even from Mumbai to watch the play.

Student Activities

FOSSASIA 2017

Pranav Jain and Urvika Gola, Dept of CSE&IT delivered sessions at FOSSASIA 2017 Conference at Singapore from 17-19 March 2017. Pranav was also invited as a mentor from India for Ultrahack, Finland where he was also a participant in 2016.



Urvika Gola

Pranav Jain

International 5G Hackathon

Pranav Jain, CSE&IT (Class of 2017) participated in the 5GFWD Hackathon in Oulu, Finland and also spoke at the EuCNC Conference, Finland and shared his ideas with teams from countries of Asia, Europe, USA and even as far as Brazil, held from 9-11 June 2017. Pranav won the first prize of Euros 10000 in both the competitions, 5G Hackathon 2017 and OYS Challenge 2017. Only a selected few students from across the globe get the opportunity to participate in these competitions. This is a matter of great pride for the



Department of CSE and the University. We extend hearty congratulations to Pranav who has brought great laurels to the University, internationally.

Google Summer of Code (GSoC) 2017 projects



Ankit Kumar
CSE-Class of 2018

Ankit Kumar worked with MariaDB (one of the most popular databases on the web with many notable users) on the project 'Allow multiple alternative authentication methods for the same user'. He was mentored by Sergei Golubchik.



Akarshan Gandotra
CSE-Class of 2018

Akarshan Gandotra worked with FOSSASIA to develop an Android Application that allows the user to operate Pocket Science Lab (PSLab) which is a tiny pocket lab that provides an array of necessary equipment for doing science

and engineering experiments. The main aim of the project was to develop an Android application that can help the user to use each and every functionality of the PSLab from their Android Smartphone.

Ankit, Harsh and Akarshan, all BTech CSE – Class of 2018 were the selected few students from across the globe who got this opportunity to code and work on new ideas vigorously for three months in 2017. This comes after Alumnus Pranav Jain, achieved this distinction in 2016.



Harsh Lathwal
CSE-Class of 2018

Harsh Lathwal worked with FOSSASIA to make a Linux Distro for hotels and events based on Cinnamon desktop environment under the mentorship of Mario Behling (creator of Ubuntu). He developed open source software with their sponsorship for FOSSASIA. Harsh worked as a Student Developer, beginning 30 May 2017 and ending on 21 August 2017. He received a stipend of USD 2400 on completion of the project.

- Students Rowan and Sahil, 6th Sem, Dept of EECE participated in the IoT Conference and Exhibition held on 9 Feb 2017 in Delhi. They exhibited their project 'Smart Building' and got a positive feedback about their project from companies. The conference had three tracks networking, IoT and Consumer Electronics.
- Students Anshuka, Aditya, Aakar and Anmol, 6th Sem, Dept of EECE attended a workshop on 'Mobile Robotics' at IIT Delhi for two days in February 2017. This workshop aimed at providing a forum for creating a common ground and understanding of social mobile robot applications and barriers.
- Aditya Choudhary, BTech Final-year, Dept of ME was selected to work as an engineer trainee with Beijing Wavespectrum Science and Technology Co, Ltd and proceeded to the company's headquarters at Beijing for training from 20 Feb to 17 March 2017.
- Punit Sharma, Ashish Gupta, Anuj Kumar Jain and Vikas Rastogi presented a paper in the 2nd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME-2017) at G. Noida from 18-19 Feb 2017 on 'Dynamic Modelling and Validation of Continuous Beam

with Free-Free Boundary Conditions'. This paper won the 'Best Research Paper Award' in 'Mechanical Design' in this conference.

- Two students Mohd Afnan Qureshi (13ECU084) and Karan Sethi(13ECU062), Dept of EECE participated in the State level quiz competition on Energy Conservation and Renewable Energy, organized by New and Renewable Energy Department - HAREDA on 19 April 2017. The quiz was held at Akshay Urja Bhawan, HAREDA office, Panchkula. They represented Gurugram district of Haryana. The quiz comprised of international and national events.

Workshop

A group of 42 BTech students of 2nd and 4th Sem, CSE students attended a workshop on 'Digital India Programme' at the Centre of e-Governance (CeG), Ministry of Electronics and Information Technology (MeitY), New Delhi on 25 April 2017. They learnt about e-Governance projects being implemented through the National e-Governance Plan (NeGP) to bring in efficiency and effectiveness in citizen-centric services, socio-economic transformation, especially in the fields of education, health, skill-building, entrepreneurship and in creating employment opportunities. Five students won prizes in the 'Digital India Quiz'. Students were accompanied by faculty members Dr Akansha Singh and Ms Jyoti Sahni.

Civil Engineering-GATE High Achievers

Out of 129225 students who appeared in Civil-GATE 2017, Rohit Arora (13CVU035) achieved high 99.48 percentile, Sukrit Sharma (13CVU043) secured high 99.08 percentile while Yashraj Singh (13CVU048) secured 98.76 percentile.

Congratulations GATE 2017

Department of Civil and Environmental Engineering



Rohit Arora
Percentile 99.48



Sukrit Sharma
Percentile 99.08



Yashraj Singh
Percentile 98.08



Rahul Yadav
Percentile 94.88



Kunal Vashisht
Percentile 94.32



Naman Jain
Percentile 93.36



Subham Bhardwaj
Percentile 94.90



Ankit Brar
Percentile 92.57



Harshal Khasa
Percentile 94.20

Deloitte eMaverick Competition 2017

A team of six students of NCU pitted against 19000 students from premier institutions across India to emerge victorious at Deloitte's Engineering School Maverick held at the company's Hyderabad office. This technology-centric competition provided students an opportunity to showcase their technical, innovative and analytical acumen. Three gruelling rounds held over a period of over one month thoroughly tested each student's capabilities in Cyber Threat Competition (CCtV) and Data Analytics Insights and Visualization (D-AiV). The two top teams in each of these categories competed with over 800 teams from which ten teams were shortlisted for the final round in each category.



Student article to be published in a book



Nitesh Jain



Satyarth Sharma

A team comprising of Nitesh Jain and Satyarth Sharma, BBA-LLB (H), Class of 2018 bagged a consolation prize of Rs 1000 at UPES 2nd Enervions International Essay Competition in collaboration with Surana and Surana International Attorneys, Chennai. Their essay titled 'Climate Change and Sustainable Development' was selected for publication in a book with an ISBN number. (SOL2017O007).

Inspiring and Developing Entrepreneurial Acumen

IDEA (Inspiring and Developing Entrepreneurial Acumen) was organised by GD Goenka University on 7 April 2017. Teams from various universities took part in the competition including students from NCU, who took part in 'Ideas and Presentation'. There were a total of seven categories in which NCU students took part in and became one of the major competitors in all these events. NCU teams won three Prizes :



Team -1: Guardian Angel
(Category take photos from April Newsletter – Product)
Gaurav Saini (16MEU023)
Kumar Abhijeet (16MEU036)



Team -2: Eye Tracker Device
(Category –Social)
Paras Tyagi (16MEU044)
Yoganshu Sanduja (16MEU77)



Team-3:
Car Parking Solution
Akash Lal–3rd Year ME

PG Scholarship by UGC to GATE qualified students

To help and attract young and talented graduate students to pursue education at the Postgraduate level, UGC, New Delhi, has implemented PG Scholarships for GATE qualified students across all universities. It is a matter of great pride that the following NCU students were awarded scholarships for the Academic Year 2017-18. In addition to a monthly scholarship of Rs 12,400/- p.m. they were also given a one- time contingency



Ketki Malhotra Rana
(15CSP005)



Konark Kaushik
(16ECP002)



Nikhil
(16CVP004)

Alumnus wins Scholarship for higher studies abroad



Mitsu A Thomas
MTech Mechanical
Engineering
(Class of 2016)

Alumnus Mitsu A Thomas won a 50% scholarship from the University of Limerick, Ireland for higher studies in Mechatronics.

Student Internships



Anushree Mishra
Final year, BTech CEE
Internship with GMR

Anushree Mishra, Final-year BTech CEE (ASQ member) was on paid summer internship with GMR and involved in their Asset Management System preparation. Her name shall be part of the ISO quality certification of GMR T3 airport as a 'Special Mention' in their organization chart, based on her outstanding performance.



Aneasha Gurjer
Final year, BTech CEE
Internship with TCS

Aneasha Gurjer, Final-year, BTech CEE, bagged a paid internship with Tata Consultancy Services through the efforts of the Dept of CEE and the ASQ team. She received a stipend of Rs 8000/- for her excellent performance.

BBA-LLB student wins Best Delegate award at MUN 2017

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

Trip to Manali



NCU Recreation cum Education Club organized a six day trip to Manali for students from 22-27 March 2017. A total of 22 students from across the different Schools joined this excursion along with faculty and staff coordinators. It was full of fun, adventure and learning for the students. The trip by AC deluxe bus was flagged off from NCU by the Pro Vice-Chancellor, Brig SK Sharma (Retd) on 22 March 2017. In Manali, the students

visited the famous Hadimba Temple, Solang Valley followed by a trek to snow covered Anjani Mahadev Temple. Adventure sports like rock climbing, rappelling and river rafting were organized. At night, students enjoyed playing, singing and dancing around a bonfire. All in all, it was a fun-filled learning and bonding time for the students.

Trek to Barot Valley

The club 'Trekkers of NCU' organized a trekking expedition at 7700 feet (2300 metres) inside the magical valley of Barot, on the outskirts of Nargu Wildlife Sanctuary, Mandi, HP. The Barot valley is located at the foot hills of Dhauladhar, a hidden paradise referred to as 'Chotha Bhangal' with the gushing Uhl river flowing down from the Thamsar Glacier, which forms a gateway to the legendary 'Bara Bhangal'.

A team of 14 enthusiastic students, alumni and faculty were part of this trek from 25-28 May 2017. The team saw the reservoir at the Joginder Nagar Hydel Power Project with water rushing down nearly a thousand metres through penstock pipes to the Uhl river. They interacted with the villagers and saw their terrace farms with organic vegetables, fruits, pulses and witnessed weaving woollen clothes, shawls and local pattu's, as a housecraft.

The trek started from the base camp at Barot to Rajgundha (15-18 km). At a height of 3700 metres the team enjoyed

the mesmerizing view of the Himalayan range, Bir-Billing with para-gliders sailing down from Billing to Bir, Kangra and Barot Valley. The trip was full of excitement and adventure. The trip was coordinated by Ms Jyotsna Singh, Dept of CSE&IT.



Student develops Wi Fi Powered Indoor Navigation System

Wi-Fi powered indoor navigation system, 'NAV ME BOT' has been developed by students Kriti Aggarwal and Harshit Juneja, BTech, CSE Final year students

under the guidance of Dr Shilpa Mahajan. The project is an android application that navigates the user by generating an optimal path from his location to a destination inside a building. Faculty and students involved in the project may plan to get it patented.

Student awarded 3rd Best Adjudicator

Anuraag Mehta, 5th Year student, School of Law, was adjudged as the 3rd Best Adjudicator at the 6th Edition of the National Parliamentary Debate 2017 from 18-21 August 2017. The competition saw participation from 32 teams across India. (SOL2017O008).



Social Service

NSS School Outreach Programme

The NSS Society of The NorthCap University took an initiative to inculcate a positive attitude among underprivileged students of different NGO's and a government school. On 10 April 2017, four teams under NSS were formed to make young students of different schools in Gurugram aware of



the increasing competition and stress they might face physically and mentally.

Team 1 – SBY School

Team 1 of ten student volunteers were allotted SBY School. They made students aware about career counselling, positive thinking, first aid, Spoken English etc. Students learnt

about various career options like Defence, Engineering, Medical etc.

Team 2 - Girls Senior Secondary School, Sector 6

Team 2 visited the Government Girls Senior Secondary School, Sector 6. For class 6th and 7th, a Spoken English session was held to improve their communication skills, and students learnt to interact with others, which raised their confidence. A fun quiz was held, games were played and an informative session on career counselling was held for class 10.

Team 3 - Mahavir International School, Sec 17

Team 3 discussed about how to be positive in all situations. Lessons on arts and dance were also held. Positivity and the dance activity made the ambience happy and rejuvenating. The motto 'Not me, But You' did wonders in the lives of NSS Volunteers themselves.

Team 4 – Harmony School, Sector 17



Team 4 decided to make students aware about health, sanitation and first aid at Harmony School, Sector 17A. They interacted with kids ranging from 5 to 10 years, who learnt about the importance of regular hygiene.

In all, it was an uplifting and a satisfying event for the NSS Volunteers.



'UPHAAR'- An Organ donation Camp

'Yukti', NCU's social service cell organised an organ donation camp from 20- 24 March 2017 wherein people could pledge to donate their organs after their death. The main aim of this camp was to spread awareness about the benefits of organ donation in case of brain death and thus motivate students/faculty to pledge to donate their organs after their death.

'Yukti' collaborated with The Organ Receiving & Giving Awareness Network (ORGAN) India, a Delhi based NGO, to help volunteers sign and pledge to donate their organs through Columbia

Asia Hospital. For a week an information booth was set up near NCU's Cafe 10, where people willing to pledge could clarify any doubts regarding the procedure that follows a pledge, sign the form and get a donor card. A promotional talk was organized by a transplantation surgeon from Columbia Asia Hospital to encourage students to think about the same. It was a laudable



effort by 'Yukti' to encourage people to think in this direction and challenge the myths that surround the issue of organ donation after death!

Blood Donation Day

To celebrate Blood Donation Day on 14 June 2017, NCU and Columbia Asia Hospital, Gurugram promoted blood donation to make Old Gurugram free from blood procurement/provisioning challenges during medical exigencies. Registrar, Col. Bikram Mohanty (Retd); Director, SOET, Prof. Ravindra Ojha; Head, Dept of CEE, Dr Amit Srivastava; Medical Consultant, Dr Shilpy Wadhwa and GM Columbia Asia Hospital, Mr Ashish Chandra, graced the occasion. The event was marked by motivational talks to donate blood followed by a blood donation camp.



Sports

Basketball Tournament

NCU bagged 1st Position in the Lady Hardinge Medical College Basketball Tournament held at YMCA Sports Complex, New Delhi on 4 and 5 April 2017. Eight teams participated in the tournament and the Final Match was IP University V/s NCU. NCU team won a cash prize of Rs. 3000. NCU team comprised of Akash Balhara, Vikash Singh, Nishant Shankar, Ayush Taneja, Nikhil Yadav, Saurabh Anand, Anmol Jatwani, Vibhu Mehta and Akshay Soni.

Inter-Departmental Sports Tournament

The Inter-Departmental Sports Tournament started with the Table Tennis Tournament which was held on 22 August 2017. The CSE Team comprising of Shubham, Abhishek, Parth Raj Gupta and Ankit were declared the Winners while the ME Team comprising of Ayush, Himanshu, Rohit And Rahul were declared the Runners Up.



Inter-School Premier League – April 2017

NCU organised an Inter-School Premier League 2017 from 11 to 14 April 2017 at the University's playground for promoting competition and team spirit. Students from 12 schools located in NCR participated in the event to showcase their talent in Cricket. In a fiercely contested competition, Drona Public School, Gurugram with their all-round ability won the championship, beating Manav Rachna International School, in the Finals. The Winners and Runner-up teams were felicitated and awarded cups and certificates by The Pro Vice-Chancellor, Brig S K Sharma (Retd) and the Registrar, Col Bikram Mohanty (Retd). Brig S K Sharma (Retd) appreciated the efforts of all the participating teams and congratulated the winning team. He motivated the players to do well and bring laurels to the schools they represent.



An Athletic meet was organized in the University from 21-24 Feb 2017. There were many events like long jump, high jump, javelin throw, discus throw, shot-putt, 100, 200, 400, 800, 1500, 3000 mts races, relay race 100 x 4, 200 x 4, for

boys and girls. The event was followed by the prize distribution ceremony on 24 Feb 2017 and prizes were awarded to all the winners by the Pro Vice-Chancellor Brig. SK Sharma, Registrar Col. Bikram Mohanty, Chairman Sports Committee, Director SOET Prof. Ravindra Ojha, Vice Chairman Sports Committee Dr Gaurav Gupta, Dept of APS, Secretary Sports Committee Dr Praveen Lochab, SOL. They emphasized on the importance of participating in sports. All events were supervised by Sports Officer Mr Sudesh Kumar.

NCU team participated in the Inter-University Table Tennis match held at the LNM Institute of Information Technology (LNMIIT), Jaipur, Rajasthan from 20 - 22 January 2017. In the Final Match: NCU vs Rajasthan University, the NCU team comprising of Shubham Jain (15CSU226) and Kartavya Atri (15CSU094) won the First prize.



Miscellaneous

Health Camp

In line with the University's commitment towards 'Female Health and Disease Free' society, a Mammography Diagnostic Camp was conducted for ladies (faculty and staff) on 26 April 2017. The screening/diagnostics was organized in partnership with the Rotary Club, bringing specialized investigations free of cost, right at the doorstep of the University.

This was followed by informative talks on Breast Cancer and Cervical Cancer which were delivered by Rotarians Dr Pushpa Sethi and Dr Indu Aggarwal from Rajiv Gandhi Cancer Institute & Research Centre, respectively. Speaking on the occasion Pro Vice-Chancellor, Brig SK Sharma (Retd) said, "Women are the real pillars of the household and their health is of utmost importance. If women are healthy, society will be healthy." The talks were attended by over 100 participants comprising of faculty members and students. The camp and talk was coordinated by Dr Shilpy Wadhwa, Medical Consultant.



Talk on 'Work-Life Balance'



NCU in collaboration with Brahmakumaris, Palam Vihar and RITES organized a talk on 'Work-Life Balance' by Sister Shivani on 29 April 2017. Speaking to a packed audience she said

that in order to lead a peaceful life one should control their mind and thoughts. Expectations in life are a cause for anger and dissent. If expectations are not met by others then we feel let down and despondent and subsequently this turns to anger. We

should, therefore, control our mind so that it obeys our intuitive instructions. She further said that the first step towards change is acceptance. Once you accept

yourself, you open the door to change. Change is not something you do, it's something you allow. The event was attended by a number of families of NCU, RITES and Brahmakumaris.

Aadhar Camp

An Aadhar Camp was set up at the University in a tie-up with the Gurugram District Administration from 17-19 August 2017 to facilitate faculty, staff and students to enroll for the Aadhar Card as well as updation of data.

Talk on Depression

A talk on 'depression' by Dr Shweta Sharma, Psychologist, Columbia Asia Hospital was delivered on 7 April 2017 on the occasion of World Health Day. Dr Sharma explained depression and spoke about risk factors, treatment options, self-help, coping skills and how to help someone with depression. Beliefs about self, the world and the future were examined, irrational and self-defeating feelings and ideas were discussed. It was participatory and interactive in nature involving around 60 students. The talk was motivational and people who participated benefitted and learnt the practical tools to overcome and spot depression in others. The event was coordinated by Ms Nikita Kapoor, Psychologist, NCU.



Independence Day Celebrations at The NorthCap University, Gurugram

The NorthCap University celebrated the nation's 71st Independence Day on 15 Aug 2017, with a lot of enthusiasm and gaiety. The high spirits and patriotic fervour of the faculty, staff, students and children who attended the function was visibly evident.

Professor Ravinder Ojha, Director SOET unfurled the National flag and took the salute, as the smartly turned out security staff contingent led by the Security Officer marched past the dais. Speaking at the occasion, Prof. Ojha greeted all faculty members, students and staff members including their families. While conveying his good wishes, he reminded everyone of the supreme sacrifices made by several leaders political, and non-political in securing independence for our country. Prof. Ojha said, "Each one of us should



now endeavour to put our heart and soul in achieving economic independence for every citizen irrespective of caste, creed or religion. We must contribute whole heartedly in strengthening the democratic and secular credentials of our country". He reminded everyone to firmly resolve and ensure that the University progresses

on the path to glory while remaining grounded so as to achieve all round progress. This is all the more relevant to transform our University into a Centre of Excellence in academics, culture and sports. The celebrations were followed by high tea for all.

School of Engineering and Technology

Department of Electrical, Electronics and Communication Engineering (EECE)

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Law as a Career Option for Science Students



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“The inventive step requirement makes a lawyer out of an inventor”

— Kalyan C. Kankanala

Today, Law is considered to be the most sought-after profession in the world. Law, legal education and development have become inter-related concepts in modern developing societies. In the present era, technology is encroaching each and every field and, therefore, learning law with a science background gives an edge to legal professionals over other disciplines. Law, being an interdisciplinary profession, students from varied background tend to choose law courses and prefer to club them with Management, Arts, Commerce or

Science depending on their area of interest. In the present age of technology and science, one should expect to give a warm welcome, perhaps a permanent home to science, in our courtroom procedures. The legal disputes before us increasingly involve the principles and tools of science and the proper resolution of these disputes is essential not just for the litigants, but also to the general public who live in our technologically complex society and indeed want justice to be served.

The increasing reliance on technology whether it be through forensic science in a criminal case, food testing in an adulteration case or data protection in cases of privacy, has led to the need of imbibing science into one’s legal knowledge, skills and profession. Whether it is biotechnology, pharmacy and intellectual property rights or digital privacy, health care, energy and environment policy, many legal specializations emerge from and rest on scientific foundations. Although a combination of law and science is referred to as an oxymoron, but it is actually a bitter sweet experience with enhanced results. Studying law after science improves and nourishes your analytical ability, planned execution, application of mind and various other skills that help in laying the foundation in the legal profession. The focus on science students opting for law as a career is not a matter of just today, but is traceable in

history and many senior judges of the Supreme Court of India are science graduates and they pursued law degree after graduation. Well known senior advocates of India especially those who are in Intellectual Property Law would not have made their mark today had they not studied science before undertaking legal education.

Amongst the students of the best law schools in Delhi-NCR, approximately 30% students are the ones who opt for law after studying science courses in their XII class. The concept of inter-disciplinary education has further led to the rise of science students emerging as lawyers in the fields of Environment, Intellectual Property, Cyber Security, Corporate Transactions and many more. At the time of admissions even the science students must appear in entrance examinations for law like CLAT, LSAT, AILET so that they throw open a plethora of opportunities for themselves in this competitive world. The students must keep in mind that they are the youth who will be adapting to their professions to become better citizens of tomorrow and contribute actively in the development of the nation.



Importance of Inter-disciplinary courses in higher education



DR NITIN MALIK
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Learning interdisciplinary courses is a buzzword in education these days but what does 'interdisciplinary' study really mean? It is a thematic way to master fundamentals - a theme which crosses over disciplinary boundaries in science and mathematics or literature, art and history. It requires collaboration of people from different domains. They challenge traditional preconceived notions and concepts and it is our observation that students who learn interdisciplinary courses are highly motivated as learning is rooted and grounded in applied areas of research and they learn important, transferable skills. These courses help students to think critically which is important in real-world applications and hence important for their career growth.

Interdisciplinary courses go beyond ideas and concepts of one stream and encompass knowledge from different areas. Students make connections

between different disciplines or subject areas, learn transferable skills at individual level and get a broad learning experience. Students choose their own subjects and their learning is deepened when they reflect on the connections between what they are learning in different disciplines. Popular interdisciplinary branches nowadays are multimedia, mechatronics, soft computing, optimization, quality management, etc.

Those interested in exploring big problems, for them interdisciplinary research is the need of the hour. This will not only help them develop their cognitive skills but also help them to become a specialist/expert in their chosen area of multidisciplinary research and to solve complex problems of today's world. Interdisciplinary courses provide enough impetus to leapfrog technology in the shortest time possible.

Why an MBA?



Dr Sushmita Biswal Waraich
Associate Professor & Head,
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Gurugram

It is a very important question which needs to be answered when a student is planning to enroll for MBA i.e. Masters of Business Administration. It is here that for the first time after school, students with varied interests, specialties come under one umbrella, yet again. Students with engineering, non-engineering, medical, science, humanities, law, liberal arts etc. come together again. This is a really diverse confluence of students with a variety of interests with recently acquired knowledge from their respective areas of specialization.

While pursuing your MBA course one gets ample opportunity to test one's managerial abilities and business understanding. There is no other choice but honing up these two things. Irrespective of whether you are an engineer, lawyer, doctor or a pilot one's ability to comprehend business is the need

of the hour. Not only understanding business but also the market and the environment in which it operates is important because these contribute to affecting business either directly or indirectly.

In today's world, once you complete your MBA you opt either to be an employment generator (entrepreneur) or employment seeker (employee). In both the cases, business understanding and managerial skills are integral to your pursuit. Thus, the MBA degree is an opportunity to help you understand business functioning and give you a platform to develop your managerial abilities. Doing this will help you in senior management positions and roles in businesses.

An MBA course is inter-disciplinary and at the least comprises of subjects from different disciplines like sociology, psychology, economics, finance,

accounting, operations, human resources, international business, ethics etc. Moreover, with the changing times, courses contributing to running businesses effectively like data analytics, technology etc. get incorporated.

The case studies, assignments, projects etc. which one undertakes during MBA will help you in understanding various

businesses well. Through these, understanding the highs and lows that businesses face will make you empathetic and gear you up to handle them successfully. No doubt the internships and live projects help students closely understand the world of work. While pursuing the course, it is quite pertinent for students to shoulder responsibilities, participate in different activities which

will go on to help understand your strengths and weaknesses. Attitude building is also an important component of this grooming. Once you experience and experiment through different platforms, it gives you enough lead to apply and understand your interests and follow your passion.

Learning a foreign language in India from job perspective



Ms Rekha Mathur
Sr Editor, NCU

Impact of globalization, expanding overseas trade, travel and networking has increased the demand for learning of foreign languages in India. Information Technology (IT), Information Technology Enabled Services (ITES) and Outsourcing have brought a lot of job opportunities to the youth of India. This coveted sector has opened up immense potential for language communicators, interpreters, translators, analysts etc. in many foreign languages, European as well as Eastern.

Scores of students pass out with a degree but the one who gets the choicest job or the highest pay package depends upon his/her add-on skills besides their expertise in core competencies. Knowing a foreign language of the country where a corporate may be manufacturing or has its business markets, provides a competitive edge to the job aspirant in the critical technical

area, Human Resource Management, Public Relations, Marketing and Communication Network.

A growing number of corporates, especially IT, pharma and consumer goods multinationals prefer engineers and MBAs with working knowledge of European languages such as German, French and Spanish. In joint ventures and collaborations foreign language expert professionals, managers and executives, posted at foreign locales, are a great asset to the organization as they are able to understand the local psyche, communicate with the local workers as well as build a rapport with the native clients. They are able to coordinate various business processes within departments as well as provide support in business development, legal and accounting processes in the target country.

Knowing a foreign language of the country where a corporate may be manufacturing or has its business markets, provides a competitive edge to the job aspirant

India's Look East Policy has now acquired substantive economic and strategic weight. The East has become an economically vibrant region and every corporate of consequence is scrambling to establish business relations with Japan or

China. This has led to a rising demand for Japanese and Mandarin Chinese proficient professionals. Being a particularly difficult language to learn, employment prospects for Chinese literates is on the rise as there is a great dearth of talent and it is difficult to get qualified professionals, translators, teachers, interpreters, customer service executives, tourist guides etc.

Hiring a professional who is proficient in the local language is also financially beneficial to the organization. If a company has an office in Japan and the job applicant knows Japanese, as an add-on skill, the company offers placement to that candidate as they don't have to spend on training the candidate in Japanese language. Communication skills, intra-personal as well as interpersonal in the native language demand environmental sensitivity and action. They are the biggest asset for everyday transactions.

Research shows that bi-linguists have better cognitive skills, are more confident and smarter so they are successful as an employee or as an entrepreneur. International organizations like NATO, UN, WHO, etc. also require language experts to effectively function in various parts of the world.

Many educational institutions and universities are offering courses in foreign languages for graduating engineers, lawyers, management professionals as an add-on language skill making them ready for foreign assignments, lucrative job

openings in prestigious multinationals and leading entrepreneurs to meet international challenges. Collaborations with foreign universities and student exchange programmes provide students the desired opportunities to live and speak the local foreign language like natives of the country.

There is likely to be a significant shortage in manpower in most western countries and Japan because of their ageing populations. India has the world's largest youth population despite having a smaller population than China, according to a recent UN report. Indian doctors, teachers, software engineers and other professionals are in great demand in foreign countries. In this backdrop, knowing the language of that



country will provide Indians a global edge and will definitely enhance

employability of Indians planning to work abroad in future.

7th August 2017



Shubham Bansal
Assistant Professor
Civil & Environment Engineering



I can still feel the smell of soil in that drizzling night at the University.

Photography has always been meditation for me.

Filters have never been used in the captures! Post - dusk photographs have been most beautiful ones because night unfolds another world and reveals another side of the universe.

I always preferred long exposure instead of artificial light to paint the sublime nature at the foothills of the Shivalik Range, during my post- graduation days.

Dilemma



Jyotika Pruthi
Assistant Professor

*Often life is on a crossroad
Each road more enticing often making
us brood
Situations, pressure and complexities
making the scenario perplexing
Aspirations, choices and needs
providing unwanted spicing*

*Blinded at times when everything
seemed blissful
Churning of events and now feels like
dropped unexpectedly in hell*

*Life has suddenly turned into a tyrant
Throwing situations so
incomprehensible so uncanny*

*Parents and peers with their myriad
opinions
Seem to confuse me rather than
comforting
Hazy seems the goal I once aspired for
Choices some wrong, some right I
undoubtedly have made*

*Once a carefree being who took life as it
came
Now ponders why wasn't she prepared
well before time
A craving to go hiding in a shell of my
own
Search for answers I now desperately
sought
Which this life has fortuitously brought*

*Feuds and arguments for long I have
had
Today they all make me feel remorseful
and bad*

*For in my own eyes I seem to fall
Wish to turn back and make up for them
all*

*Undoubtedly thousands of blunders I
have made
Yet hundreds of good deeds too I have
done
Compromises done and altruism
exhibited before
Yet my life's ship fails to foresee the
shore*

*Agreed life is not always a bed of Roses,
But neither is it just full of thorns.*

*A little PRAYER to my INNER SOUL
and the ALMIGHTY
To steer me through this Dilemma
perverse.*

Short Poems



Deepika Deswal
Dy Manager - HR

Blame

*Kill and run, it's all the same
Without a victim, who takes the blame?
Imagine a trap, but no one to fall
Who commits a sin, when costs are too
small?
Plan is set, embedded in my mind
Big is my crime, weapon you can't find
Put me on oath I will lie
Envious of my joy, alone you'll cry
Well-wishers will come to your rescue
If you got plenty even I got few*

Rain

*Drops of heaven make some sound,
I hear it better than anybody around.
My rhythm matches to pitter patter,
Bursting from joy my heart gets sadder.
Some says its downpour some call it rain,
I see it someone sobbing in pain.
Make way for him give him some privacy,
No one likes to cry where all can see.*

Lifeless

*Shadows can suffice me for now
Many a faces with what's and how
Toes get curled I lay low
Never did my true self show
Shred by shred bit by bit
See my soul piece by piece
Hide me from everybody and all
Let no one trespass my wall
For now I'm lifeless and alive
Waiting to be dead and burning with life*

Marks

*The wounds healed, but left a mark on me
What I felt then, now others can see*

*You stifle my voice but I need to shout
My bearer betrayed me, but that's not it's
all about*

*My heart's been cut and pasted back
But courage is something I do not lack
I have fought and will rise again
My story shall not go in vain
See me as a survivor but do not forget
Recall that I too have bled and wept.*

Scarred

*Burned, scarred, stabbed
One inch closer to being dead
Lost pride, choked cries
Torn between my heart and head
Dreams are haunted, mind is numb
Stunned by fear, I become mum
Life is too heavy,
Need the load to be shed
I sleep with caution
With danger I shall wed.*

Proud to be part of Dean's List

Dean's List of Students Even Semester 2017

Dean's List of Students

To promote excellence in academics and to recognize outperformers, students scoring a CGPA of 9.5 and above are included in a selected Dean's List. This achievement is reflected in their degrees. They form a think tank for the University's academic reforms, and enjoy special privileges and pride of place in the University. They are specially invited to conduct distinguished visitors to the University. This policy has worked significantly to encourage students to strive towards making the grade to be on the Dean's list.



UNDER GRADUATE

School of Engineering & Technology

Aaditya Verma
Abhishek Jain
Akansha Mallick
Archita Raj
Charisha Phirani
Geetika Singh
Ishita Mehta
Piyush
Shubham Garg
Smirithi Rramasubramanian
Surbhi Papreja
Pankaj
Rahul Sharma
Vikas Kumar
Vinit
Aadish Goel
Chhavi Jain
Dinky Khatri
Madhur Bahl
Ruchi Arora
Sakshi Garg
Sarthak Agarwal
Sidharth Sharma
Baljinder Singh
Mayank Juneja
Nikhil Juneja
Devansh Bhatia

Garima Bhayana
Lakshay Chaudhary
Nandini Gupta
Rohit Malhotra
Shreya Chadha
Nitin
Pankaj Dagar
Shubham Sehgal
Vibhor Mittal
Radhika Agrawal
Jitender Verma
Sumit Jain
Akshay Kumar
Divya Bajaj
Mehek Chandna
Sukrit Sharma
Abhishek Jain
Aishwarya Basotia
Ishant Bhardwaj
Simar Preet Kaur
Suyash Abhay Ghirnikar
Laveena Garg
Preeti Dagar

School of Management

Sandhya
Apoorva Mangla
Kajal Jain
Niharika Marya

Raveena
Rishab Gaba
Aarushi Gilotra
Gunjan Shrivastava
Kirti
Surbhi Shah
Vandana Son

School of Law

Ojaswi Kulshrestha
Mukul Sharma
Tanish Khandelwal
Arohi Kashyap
Mohit Vats
Himangshu Rathee
Anubha Yadav

POST GRADUATE

School of Engineering & Technology

Purnima Yadav
Neetu Goel
Ankita Gupta

School of Management

Mitasha Sapra
Jatin Arora
Vimal Dahiya

Dean's List students had a date with the Vice-Chancellor on 27 June 2017 - a dream occasion for a students of The NorthCap University, to be in the company of an exclusive gathering and to be recognized amongst his or her peers. The inspirational meeting with the Pro-Chancellor and the Vice-Chancellor was followed by a group photograph.



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