

VectorTech

Magnitude & Direction



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QUALITY BENCHMARKS



Ranked Top Private University in Haryana and Delhi/ NCR and No. 82 amongst universities all India, under NIRF by MHRD, Govt. of India



Awarded No.1 Rank in All India Emerging Universities, Higher Education Review - May 2016



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



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



School of Law, NCU Ranked No. 5 amongst Top Law Schools of Eminence, All India and No.2 in North India by GHRDC Law Schools Survey 2016



Ranked No. 8 All India, for Research Productivity among Category 'A' Private Universities in CII-ICI Report 2015



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



Accredited Undergraduate Engineering Programmes



Member of Association of Indian Universities



Recognised as the BEST@.govcampus



Accredited by Accreditation Services for International Colleges (ASIC), United Kingdom, in the category of 'Premier' Universities



Member of International Students Exchange Programme



Member of the Association of Commonwealth Universities



Institutional Member of American Society for Quality (India)

All information issued under authority of Chancellor

VectorTech Sep 2015 - Feb 2016

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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

The current issue of VectorTech, the University's bi-annual magazine brings to you the happenings in and outside the University in the last six months. It presents a glimpse of the efforts of our students and faculty in different areas of academics and extra-curricular activities. The University has consistently been a frontrunner in imparting high quality higher education and producing capable and efficient engineers, management professionals and lawyers.

The NorthCap University is not just about classroom lectures and examinations but also seminars, workshops, industrial visits, tours, co-curricular, sports, club activities and social outreach programmes. Participation in such activities help young people to become confident, independent, facilitate in their holistic development, prepare them for lucrative careers and become leaders of tomorrow. Exposure to talks by the best national and global minds, are indeed an awakener. They motivate and inspire the youth to be innovative and to soar to greater heights. Our endeavour has been to showcase all these individual and collective achievements of Schools and Departments of NCU, covering the period September 2015 to February 2016, in this issue.

We, at the Editorial Cell, would like to express our heartfelt gratitude to our Governing Body for their continued support and giving us the opportunity to bring out different publications of your interest. We are grateful to the faculty, staff and the student community for helping us in shaping this magazine. This bouquet would not have been complete without your individual contributions. A warm note of thanks goes to Brig. SK Sharma (Retd) and Col Bikram Mohanty (Retd) for their 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.

We hope that you will like our efforts. Please feel free to share your feedback with us. Your valuable suggestions will help us in making this a true mirror of the University.

Happy reading!

Ritesh Ranjan (riteshranjan@ncuindia.edu)

Rekha Mathur (rekhamathur@ncuindia.edu)

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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, as a Private Self Financed University
Located	:	In the industrial heartland of Gurgaon (Located 5 km from Indira Gandhi International Airport, New Delhi)
Campus Address	:	Sector 23-A, Gurgaon, 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
Pro Vice-Chancellor	:	Brig. SK Sharma (Retd)
Registrar	:	Col. Bikram Mohanty (Retd)
Student Population	:	Undergraduate 2922 Postgraduate 317 PhD 134
Student Gender Profile	:	Female 32%, Male 68%
Faculty	:	209
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 Vice-Chancellor



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

Every new day brings a new opportunity and a new challenge. We have moved a long way since we started our journey as a young institution twenty years ago, which transformed into a university in 2010. The common thread throughout our journey has been our passion for excellence and as a result, we stand tall among others. The accolades by various organizations, our consistent top rankings in different surveys, placement of students in reputed organizations – all give us the impetus to further improve ourselves.

The NIRF ranking by Ministry of Human Resources Department, Govt of India, which ranked us as the top private university in Haryana and Delhi/NCR, has been a feather in our cap. It is my pleasure and pride to thank all faculty, staff, students, parents and other stakeholders who helped us maintain our pole position as a premier institution of higher education in North India. Recently our University has also been accredited by National Assessment & Accreditation Council (NAAC), Bangalore. These honours carry a lot of responsibilities and expectations as well.

We believe our students will do well in all their endeavours, aided by our highly qualified and dedicated faculty who are sensitive to the academic challenges of our students. This makes their learning experience truly transformational. Our primary focus is to make students better equipped to face the challenges of life by enhancing their skills, improving their employability and making them responsible citizens of society. For their holistic development we provide the physical infrastructure and necessary support to pursue sports, hobbies and co-curricular activities.

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

Feedback

I am delighted to visit NCU; it has given hope and confidence about progress India is making – a country free from ignorance and poverty, a country that would be achieving a social and political order.

Sri Balmiki Prasad Singh
IAS (Retd.)

*Former Governor of Sikkim &
Union Home Secretary, Govt of India*

NCU is an excellent university producing students of technology, management and law. The atmosphere of the university is very pious and holy suiting to the culture of our nation. It is truly a centre of learning as we aspire. I wish all the success to the University.

Prof. Kaptan Singh Solanki

*Governor of Haryana &
Visitor, The NorthCap University*

It was great to be here in this great institution. NCU has a very bright future.

Prof. (Dr.) Ranbir Singh

*President, Association of Indian
Universities and
Vice-Chancellor,
National Law University, Delhi*

I found that the Mission, Vision and quality policy are well spelled out. A great leader (VC) is leading from the front with dedicated faculty members. The quality of student intake is good.

The research culture is inculcated even in UG programmes. There are lot of good practices that take place here I am quite impressed with the academic activities of the University. Wishing a great time ahead.

NC Shivaprakash

*Chairman NBA Team, IISC
Bangalore*

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

Prof. R C Budhani

Dept of Physics, IIT Kanpur

Recent Achievements

The NorthCap University tops in NIRF Ranking



In the recent ranking announced under the National Institutional Ranking Framework (NIRF) by Ministry of Human Resource Development (MHRD), Govt of India, The NorthCap University is listed as the only Private University in Haryana amongst Top 100 Universities, All India. The NIRF has been launched by the MHRD for the very first time. In a ceremony held on 4 April 2016, the Honourable Minister of Human Resource Development, Smt Smriti Zubin Irani issued the rankings. The launch was attended by the Pro Vice-Chancellor, Brig SK Sharma (Retd.). The NorthCap University has been placed as the top Private University in Haryana and Delhi/ NCR and the 4th Private University in

whole of North India. NCU ranked 82nd out of 233 participating universities of the total 740 universities in India. It ranked 17th among all Private Universities in India. Among different parameters of the NIRF ranking, NCU secured 100% points in 'Graduate Outcomes' and 75% points each in 'Teaching, Learning & Resources' and 'Outreach' which speaks about its academic excellence.

The NIRF outlines a methodology to rank institutions across the country, drawing from the overall recommendations by a Core Committee set up by MHRD, to identify the broad parameters for ranking various universities and institutions.

NCU Ranked No 1 Top Emerging University in India



The NorthCap University, Gurgaon, has been ranked No. 1 University among Top Emerging Universities in India, in a survey by Higher

Education Review, May 2016. The University has reached this triumph successively for two years in a row. It has been also been placed among Top 10 Universities for Academic Excellence, all India.

A young university, NCU, has emerged as a first class multidisciplinary university within six years of its establishment promoting excellence and an inter-disciplinary approach in teaching and research activities. It is committed to making the students' educational experience multifaceted and holistic and provides a learning environment that is about creation, innovation and growth an education system that is industry-relevant and entrepreneurship oriented.

Prof. Pushpesh Pant conferred with Padma Shri award

Prof. Pushpesh Pant, Professor and Dean School of Law at The NorthCap University has been conferred with Padma Shri by the President of India on the occasion of Republic Day 2016. Prof. Pant received the award in the category of Literature and Education – Journalism. Prof. Pushpesh Pant is a noted Indian academic, food critic and historian. He is an expert on International Relations. He has been a columnist for various leading newspapers and magazines. He has published over a dozen books on food, travel and tourism.

On receiving the award, Prof. Pant said, "It is indeed a moment of pleasure for me to be selected for Padma Shri award. To me it means, sooner or later one's work gets recognized. It also puts a sense of responsibility on you. What one does is not

intended for himself only, it is associated with the society and nation at large. It is a special time for me as it has come to me when I am engaged in a profession of my choice and interest. I am thankful to NCU that I have been invited to teach Law, a subject I love."

The NorthCap University congratulates Prof. Pushpesh Pant on his coveted achievement. Wishing Prof. Pant on his notable attainment, Brig. SK Sharma (Retd), Pro Vice-Chancellor, said, "We congratulate Prof. Pant. He has contributed a lot to the nation in his splendid career as an educationist



and journalist and is now working towards implementing substantive improvements in the School of Law at our University."

Outstanding Paper Award by Emerald Group Publishing Ltd.



*Prof. Prem Vrat
Pro-Chancellor*



*Prof. Ravindra Ojha
Director SOET*



*Prof. AK Vij
Prof. Emeritus SOM*

The NorthCap University shares with great pride that a research paper, 'Manufacturing Excellence and its Critical Factors - An Interpretive Structural Methodology Application' authored jointly by Prof. Ravindra Ojha, Director, School of Engineering and Technology, Prof. Prem Vrat, Pro-Chancellor and Prof. AK Vij, Professor Emeritus, School of Management, has been

selected by the Emerald Group Publishing Ltd., UK, for the '2015 Outstanding Paper Award'. The paper was published in the Journal of Advances in Management Research, Vol. 11, No. 3, pp. 312-332.

Congratulation to the illustrious authors.

Best Case Study (Traditional Area) Award

The National Council of Indian Institution of Industrial Engineering (IIIE) conferred the Best Case Study (Traditional Area) Award for the year 2014-15 to the article, 'An Application of Production Excellence through Value Flow - A Case Study' jointly authored by Prof. Ravindra Ojha, Director SOET, Mr Sanjay Katyal and Mr Sanjay Sethi. The article has been published in Vol. VII, Issue No. 6 of Industrial Engineering Journal in June 2014.

The award was presented to Prof. Ojha during the 57th Annual Convention of IIIE held on 28 November 2015 at SV National Institute of Technology, Surat, Gujarat.

NCU Faculty win National Design Contest



A team of Mr Ashwini Sharma, Asst Professor and Mr Gagan Baradia, Asst Professor, both of Dept of Mechanical Engineering bagged the first prize in Professor's Category in Aakruti 2015 National Design Contest with the theme of 'Smart City and Smart Villages of India', held at Pune on 1 October 2015. Mr Sharma and Mr Baradia participated in the contest which witnessed a participation of 703 teams from 129 engineering colleges and universities from all over the country. The team had designed a semi-automatic machine for making low cost sanitary napkins which was appreciated by the jury members.

Aakruti 2015 is a nationwide contest on 3D Design & Modelling with an objective of increasing collaboration between academia and 3D professionals. It invited professors and students from engineering and architectural colleges to design smart products for smart cities and smart villages.

RANK	SCHOOL	TYPE	STATE	SCORE
1	Indian Institute of Technology, Bombay	Public	Maharashtra	97.00
2	Indian Institute of Technology, Delhi	Public	Delhi	96.00
3	University of Delhi	Public	Delhi	95.00
4	University of Rajasthan, Jaipur	Public	Rajasthan	94.00
5	University of Jammu, Jammu	Public	Jammu & Kashmir	93.00
61	THE METROPOLITAN INSTITUTE	Private	Haryana	55.00
62	University of Jammu, Jammu	Public	Jammu & Kashmir	54.00
63	University of Rajasthan, Jaipur	Public	Rajasthan	53.00
64	University of Rajasthan, Jaipur	Public	Rajasthan	52.00

Interaction with Mr BK Gupta



Mr BK Gupta
Director
School of Professional Attachment

1. In your view, what is the role of education in nation-building?

Education is considered by many as the key tool for nation-building and is a basic human right. Nations world over, including India, have enacted laws for 'Right to Education' for each of its citizens. It has been proved that the most successful economies in the world are those that invest the most in imparting education to its human resources.

With the world leaning more and more on knowledge-based economies, comparative advantages among nations are being derived less from natural resources or cheap labour and more from technical innovations and the competitive use of knowledge.

We are living in a highly inquiring and innovation-oriented society. The pressing demand of the present day society is novelty, creativity, integration of knowledge at global level, research and analytical thoughts. Thus, there is a pressing need to prepare the children and youth to cope with the needs of the present situation. There is a need to develop analytical and critical thinking, skill and attitude that would make them more flexible and innovative to deal with uncertainty and crises at both national and global levels.

This explains why contemporary worlds attention has focused on education as an instrument of launching nations into the world of science and technology and with consequential hope of human advancement in terms of living conditions and development of the environment.

2. With increasing focus on entrepreneurship, what steps does SPA take to groom our students?

Entrepreneurship, as it is generally understood, doesn't necessarily involve starting your own business. Many people who don't work for themselves are recognized as entrepreneurs within their organizations. One thing is certain: becoming a successful entrepreneur isn't easy.

SPA plays a very vital role in grooming the students for the entrepreneurship skills:

- Personal skills: Like Initiative, optimism, motivation, self-control etc.
- Interpersonal skills: Like leadership, communication skills, listening, interpersonal relationships, ethics etc.
- Critical and creative thinking skills: Like problem solving, crisis management, recognizing opportunities etc.
- Practical skills: Like Business knowledge, Entrepreneurial knowledge etc.

In order to develop these skills, SPA helps the students with:

- Provide business, industrial and technological magazines and articles
- Arrange seminars, invited talks competitions
- Networking with entrepreneurs
- Provide ideas to start a new venture

3. A student may be in dual mind of choosing between job and entrepreneurship. What can you suggest to them?

Becoming an entrepreneur is a career decision like any other. You need to do your homework, look at your needs and desires, and then decide whether this path is for you. This will depend primarily on your passion and family support. Looking at the scenario today, a student, at this young age should try whatever is close to his heart, experiment, learn and move forward.

Many successful business-owners are impulsive, uncomfortable with risk, or hostile

with colleagues and customers. Still others have little business knowledge, and have simply hired the talent they need to succeed. As you work through your analysis, you may feel that you're ready to take the plunge into your own venture. Alternatively, you may decide to wait and further develop your skills. You may even decide that entrepreneurship isn't for you. Whatever your choice, make sure that it feels right.

Some questions you need to yourself before taking a decision may be:

- The Boss Mindset: How do you work and treat your boss versus act as your own boss?
- The Direction, Mission and Vision Mindset: Who sets the direction of your career as an employee versus a self-employed super star?
- Income or salary mindset: There is no lower limit or upper possibility with income when you are that self-employed super star and this can go either way, it's all up to you. As an employee, you get a fixed pay. Which works best for you?
- Fears, insecurities and support mindset: Who is your support system when you are an entrepreneur versus an employee when these emotions surface?
- Your systems, processes and workflow mindset: There is an established way of doing things in a company versus when you are on your own and systems ensure your success so you cannot do away with them. Which way is better for you?

4. What qualities the hiring companies look in a prospective candidate – technical skills or other?

Hiring companies are highly focused in their selection process.

- For a consulting MNC - The prime most concern is a student with the right attitude, desire to learn, business etiquettes, communication and presentation skills. There is a relatively little stress on in-depth technical concepts, basic conceptual knowledge is good enough. The main job requirement is to deal with the clients right from the start of their career.

- b. For an IT company - Knowledge of the latest IT tools and techniques is a must. A good working experience with the IT technology is preferred. Some running application is an added plus. There is a lesser weightage for the other soft skills as they are looking for back end software development professionals.
- c. For core companies – In-depth knowledge of the technical subjects, hands-on working experience, internship with a good core company, and knowledge of the latest design software tools is a must.
- 5. What kind of assistance/ support SPA provides to students for placements?**
- SPA provides assistance to the students for various aspects of the placement process like:
- a. Arranging invited lectures by the industry experts (both HR and technical officials) to apprise the students about industry expectations
- b. Assistance for clearing aptitude tests and conducting mock tests
- c. Assistance for appearing in GDs and conducting mock GDs
- d. Conducting Pre Placement Interviews by calling industry experts and our alumni
- e. Providing career counseling guidance assisting the students to select the right company and profile
- f. Helping the students to get nominated for industry internship projects.
- g. Grooming of the students for the soft skills
- h. Have a constant liaison with the industry to know the latest requirements and suitably get the course curriculum modified.
- i. Arranging the campus drives by the companies.
- 6. What do our alumni share about their experience at the University and afterwards.**

I would like to mention two of our alumni who have been placed with reputed organizations. Mr Pulkit Garg, who has been placed with Fidelity, shared his views on campus placement. He said, "When an organization comes up with campus placement, certainly being an aspiring applicant we prepare ourselves on the basis of the company profiles and format of interview process. However, organizations have been very much enterprising in regard to adopting newer parameters of hiring, which can come up as a surprise to students appearing for campus drives."

Our other alumnus, Mr Rajat Batra, who was selected for Global Economic Advantage, mentions, "Attitude of gratitude works for campus hiring. Since, whatever we learn during our stay in the campus in reference with the course curriculum becomes secondary, what counts is the attitude.

Fundamentals need to be focused for instance: Aptitude test preparation, Group Discussion and current affairs in addition to technical subjects."

Interview with Final year students



Vineet Gupta
BTech CSE&IT
Final Year

1. During your stay at the University, what changes have you experienced?

New building and canteen was constructed in our presence only. Also many other infrastructure changes like renovation of computer labs, seminar hall, laptop-station and class rooms have taken place. These helped me a comfortable environment which helped me to enhance my working and execution. Also after changing the name from ITM to NCU the quality of education is improved.

2. What are the things that you would miss the most at NCU?

I will miss humans of NCU which includes teachers, mentors, security staff and, of course, my friends.

3. How do you find the academic environment and faculty of the University?

I must say that NCU provides excellent academic environment and faculties. The University has many well known personalities like Prof. Prem Vrat, Prof. Pushpesh Pant and many more, as faculty here. They always help us to improve day by day. Their guidance helped me achieve many good achievements.

4. Would you like to share some special memory at the University?

The recent achievement of our team at Global Haryana Summit is very special. Winning the Startup Weekend organized at our University and presenting our college in front of CM and other ministers of Haryana will be my best memory throughout my life. 54 hrs of regressive work and the facility provided by University was awesome. We worked whole

day and night and this was the first time we enjoyed nightlife of University.

5. You had been associated with various activities besides studies. Tell us something about those.

I like to dabble in almost every field: programming, graphic designing, painting and social welfare. I have served as the election ambassador for my University for Lok Sabha Elections 2014 and have also held various election campaigns in Gurgaon.

I also won the TCS Logo Design Competition and also got campus placed in Tata Consultancy Services recently.

I am also working on my own startup 'Rcubers'. It stands out for being Realistic, Reliable and Revolutionary with an aim to showcase some of the unique talents and their amazing skill set. Rcubers provides a platform to showcase creativity, imagination and a path to pursue dreams.

6. How was your experience associating with GSC?

I want to become a developer lead in GSC bus

seeing my achievements I was selected as Creative and Design Lead. I learnt many things from GSC like public speaking, presentation skills, designing, management and many more. GSC provided many opportunities to show my talent. I got a chance to visit Google HQ Gurgaon. That was a life time experience. GSC always helps students to improve their academic as well as extracurricular skills.

7. What suggestions you would like to give to your juniors?

There are ample of opportunities that the University provides you. You have to use that opportunity and prove yourself. Just don't only focus on studies, rather start participating in events, competitions and extra-curricular activities. These will help you to become an all-rounder student. Try to make good contacts with faculties and industry people during this time; this will help you in future. Don't take your internship lightly and give your best in it. At last I want to say don't be a job seeker, be a job creator!

8. What are your plans after completing your studies at NCU? Higher Studies or Job?

As I am already placed in TCS so I will continue with that only. After gaining enough experience I will work on my own startup/Business.

I want thank our Pro Vice-Chancellor Brig. SK Sharma (Retd.) who always listened to our suggestions and worked on it and believed in us. He will always be my role model.



Palash Chhabra
BTech CSE&IT
Final Year

1. As you are completing your final year at the University, what new things you could notice?

I have seen a tremendous change in the university in different facets. Right from seeing the new university building getting ready, which now, not only complements the traditional charm but also highlights the modern spirit of NCU, the university as a whole, has taken a giant leap of success. There's a revolution in the student mindset, who now like to break free from the traditional job culture and strive to create an impact and bring a change. The role of mentors has also grown immensely and the University is taking a step forward in the right direction.

2. How do you find the academic environment and faculty of the University?

I can proudly say that the University has a huge arsenal of qualified faculty members and supportive staff members who guide the students on not only the academic front but also make them industry ready. The cherry on the cake is the visiting faculty provision and guest lectures wherein experts from different domains share valuable insights and learnings.

3. What are the things that you would miss the most at NCU?

Being a final year student, the thing I would miss is the friendly interactions with the faculty members. NCU has a rich collection of elite faculty members and distinguished professors, yet at the same time they share a one-to-one connect with almost every student and provide the much needed mentorship on a regular basis. The bonds and relationship that I have created with various teachers and support staff in these 4 years, is indeed, irreplaceable.

Adding to that, the zeal and excitement to conduct events in the University, working till late in the premises, representing the University at various national platforms, will go a long way down the memory lane.

4. Would you like to share some special memory at the University?

My college life has been a large vase of memories. To pick any of them particularly is very difficult. Yet, the most recent addition is representing the University at the Haryana Global Investors Summit-2016 in front of various government ministers and eminent professionals from various organizations. Winning the Start-up weekend competition amidst 2000 students participating from 51 districts of Haryana and being recognized by NASSCOM as one of the start-ups with maximum potential, along with getting on the spot funding ventures right after the presentation, was a proud moment and an experience of a lifetime.

Apart from that, winning Inter College Project Display Competition amidst 200 projects held at GD Goenka University was equally special.

5. You had been associated with various activities besides studies. Tell us something about those.

Besides studies, I have always loved to

organize various events and workshops. I have led the 6 week course on Digital Marketing Certification course by Google for 127 students, conducted MUNs, awareness campaigns, technology workshops and seminars, apart from managing the University fests.

6. How was your experience associating with Google Students' Club (GSC)?

Google Students' Club has given me lessons for life. I was there when we started from zero and now seeing the club having flourished so much, is an achievement in itself. I started my journey as a team member and the transition to a Google Student Ambassador-Alumnus has been full of knowledge and a priceless experience.

7. What suggestions you would like to give to your juniors?

The only suggestion I would like to give is to remain self-motivated to participate and create your own identity. There's a lot one learns from these co-curricular activities and being a part of the courses which are otherwise, not a part of the academic curriculum.

8. What are your plans after completing your studies at NCU? Higher Studies or Job?

I've plenty of options to explore once my university tenure is over. I am placed with Fidelity and also have a business idea to pursue. It's all about what destiny has in store for me.

Any other thing you want to share.....

The only message to the NCU students is that always focus on creating an impact that matters. There's a lot one could do with life. Follow your dreams and never give up.

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
and Chief Mentor

- Prof. Prem Vrat delivered lectures on Decision Theory at IIT Delhi on 12 and 19 September 2015 as an Honorary Professor of IIT Delhi. He also delivered a lecture on Multi-criteria Decision Making on 26 September 2015 as an Honorary Professor of IIT Delhi.

Prof. Vrat delivered lectures on 'AHP and Goal Programming' at IIT Delhi on 17 and 31 October 2015 as an Honorary Professor. He also delivered lectures on 'Operations Planning and Control' at IIT Delhi on 24 January 2016 and 7 February 2016 as an Honorary Professor of IIT Delhi.

- Prof. Prem Vrat attended the Academic Committee Meeting of Maharaja Surajmal Memorial Educational Society at Maharaja Surajmal Institute of Technology (MSIT), New Delhi on 12 September 2015.

Prof. Vrat attended meetings of the Organizing Committee on 1 November 2015 and 31 January 2016 at MSIT, Delhi.

He also attended the Selection Committee Meeting for selection to the post of Director at Maharaja Surajmal Institute of Technology (MSIT), Delhi on 14 November 2015.

Prof. Prem Vrat attended the National

Prof. Prem Vrat attended the Teachers Day celebrations at UPTU, Lucknow as the Chief Guest, on 5 September 2015. The event was presided by the Minister of Technical Education UP. Prof. Vrat was honoured by the Hon'ble Minister and the Vice-Chancellor with a plaque; shawl and citation for his outstanding contributions to the cause of technical education.



Conference on 'Problems of Indian Agriculture Sector and their solutions' at Maharaja Surajmal Institute of Technology (MSIT), New Delhi on 13-14 February 2016.

- Prof. Prem Vrat participated in the 7th Annual G20 Conference on 'Indian Council for Research on International Economic Relations' at India Habitat Centre (IHC), New Delhi on 14 September 2015.

- Prof. Prem Vrat attended the meeting of the Advisory Group of Experts on Dedicated Freight Control' in the Railways at Niti Aayog, New Delhi on 15 September 2015.

- Prof. Prem Vrat attended the meeting of Uttar Pradesh Technical University (UPTU) at Galgotia Hotel and Resort, Gurgaon on 21 September 2015 as a committee member for preparing the Detailed Project Report (DPR) for setting up advanced institute of technology under UPTU.

- As an Independent Director of Air India, Prof. Prem Vrat attended the 68th Air India Board meeting at Air India, New

Delhi on 28 September 2015; the meeting of the Audit Committee and the Meeting of Board of Directors of Air India on 29 October 2015; the meeting of the Audit Committee and the Meeting of Board of Directors of Air India on 23 November 2015.

- Prof. Prem Vrat attended a special function as invited guest by the Apeejay Institute of Technology at New Delhi on 9 October 2015.

- He attended CAETS Convocation on 'Pathways to Sustainability, Energy, Mobility and Health Engineering' as an invited delegate, hosted by INAE at New Delhi on 13-14 October 2015. The convocation was inaugurated by Dr Harsh Vardhan, Minister of Science and Technology, Government of India in which delegates from 26 Science & Engineering academics from across the globe attended.

- Prof. Prem Vrat attended a meeting of selected invitees to celebrate 70th United Nations day for World Peace at the Parliament annexe organized by the Brahma Kumaris on 24 October

2015. Dy Chairman Rajya Sabha, Mr P J Kurien was the Chief Guest in which Chief and Addl. Chief of Brahma Kumaris personally blessed the invited delegates.

- ❑ Prof. Vrat attended the INAE Forum on Technology Foresight at INAE HQ in Gurgaon on 28 October 2015.
- ❑ Prof. Prem Vrat chaired the Selection Committee Meeting for recruitment of Additional Chief Construction Engineer for DRDO at RAC on 30 October 2015.
- ❑ Prof. Prem Vrat was invited as the Chief Guest at the Scholarship Distribution Ceremony for school girls held at ALT Centre, Ghaziabad on 7 November 2015.
- ❑ Prof. Prem Vrat attended the meeting of Management Evaluation & Accreditation Committee (MEAC) at National board of Accreditation (NBA), Delhi on 19 November 2015.
- ❑ Prof. Prem Vrat was invited by Deenbandhu Chotu Ram University of Science and Technology, Sonapat for delivering an expert lecture on 'Enablers for Quality in Higher Education' on 27 November 2015.
- ❑ Prof. Prem Vrat attended an event organized by Confederation of Indian Industry (CII) on 'University Industry Congress Higher Education Summit 2015' at Scope Complex, New Delhi on 2 and 3 December 2015. During the event Prof. Vrat delivered a lecture on 'Impact of industry – academia collaboration in enhancing employability of technical graduates'.
- ❑ Prof. Prem Vrat was invited as the Chief Guest in International Conference on Research and Business Sustainability held at Greater Noida Campus of IIT Roorkee on 4 December 2015.
- ❑ Prof. Prem Vrat attended the meeting of Advisory Group of Experts on Upgradation of Technology and

Leveraging 'Make in India' in the Railways held at Niti Aayog, New Delhi on 17 December 2015.

- ❑ Prof. Prem Vrat was invited by Dayalbagh Educational Institute, Agra for delivering a keynote address on Faculty development and employability in technical education during Landmark Workshop on 19 December 2015.
- ❑ Prof. Prem Vrat attended the 5th International Conference on 'Human Values in Higher Education' from 8–10 January 2016 held at Atmiya Group of Institution (AGI), Rajkot, Gujarat, campus in collaboration with IIT BHU, IIIT Hyderabad, IKG-PTU Kapurthala and The Royal University of Bhutan. He made a presentation in the inaugural session of the conference on 'Scaling of human values in technical education at UPTU'.
- ❑ Prof. Prem Vrat attended the 12th International Research Conference on 'Quality Innovation and Knowledge Management' at The Le Meridien Hotel, New Delhi on 15 February 2016. During the conference, Prof. Vrat also delivered the keynote address on 'Sustainable Quality of Technical

Education in India: Issues and Challenges'.

- ❑ Prof. Prem Vrat was invited as the Chief Guest during the concluding session of six-day long 'Virasat' SPIC MACAY programme at IIT Delhi on 24 February 2016.
- ❑ Prof. Prem Vrat was invited as the Chief Guest during the inaugural session of 'National Symposium on Supply Chain Management & Logistics' organized by Centre for Supply Chain Management & Logistics at OP Jindal Global University, Sonapat, Haryana on 27 February 2016. He delivered a keynote address on the theme.
- ❑ Prof. Prem Vrat attended the meeting of Management Evaluation & Accreditation Committee (MEAC) on 27 February 2016 at National Board of Accreditation (NBA), New Delhi.
- ❑ Prof. Prem Vrat was invited as the Chief Guest at a Cultural Programme of Senior Citizen's Welfare Association of Vasant Kunj, New Delhi on 27 February 2016.

Prof. Prem Vrat gave an interview during the video shoot by the ASQ-US team on 11 February 2016.



Outreach Activities of Brig. SK Sharma (Retd), Pro Vice-Chancellor & Senior Professor, The NorthCap University



Brig. SK Sharma (Retd)
Pro Vice-Chancellor &
Senior Professor

- An article by Brig. SK Sharma (Retd) on 'Guiding students on the Path to Excellence' was published in Higher Education Review September 2015 issue. The text of the article can be accessed at <http://www.theher.in/magazines/HER-SEP-2015/index.html>
- Brig. SK Sharma (Retd) attended a two day round table conference of vice-chancellors of private universities, organized by Association of Indian Universities (AIU) at GLA University, Mathura on 15-16 September 2015. He also chaired a session on 'Financial Visibility and Accreditation Issues' during the Conference.
- Brig. SK Sharma (Retd) attended India ATP Conference 2015, organized by The India- Association of Test Publishers (I-ATP), in academic partnership with Association of Indian Universities (AIU) on the theme 'The Future of Educational Assessment in India: Challenges and Opportunities', held on 20 November 2015 at India Habitat Centre, New Delhi.
- Brig. Sharma attended the UGC Regional Level Consultative Meeting on 21 November 2015 at Panjab University, Chandigarh organized by

UGC regarding the constitution of committee to examine issues related to attracting and retaining talented and quality manpower in the teaching profession.

- The Digital Edge ICT Conclave on Education 2015 was held in Hotel Crowne Plaza, New Delhi. A number of companies and educational Institutions participated. A special feature was the Vice Chancellor's panel discussion on leadership in promoting ICT in Education, followed by panel discussions of Deans and Heads of Departments.

An award ceremony was held where Brig. SK Sharma (Retd) was awarded the Top Five CTOs of Universities Award in recognition of his stellar work in promoting ICT in Education at the University.

- Brig. SK Sharma (Retd) attended the North Zone Vice-Chancellor's Meet 2015-16 organized by Association of Indian Universities (AIU) at National Law School Dwarka, New Delhi during 19-20 December 2015. The New Education Policy of the universities was discussed.
- Brig. SK Sharma (Retd) was invited by Director Higher Education to attend a meeting on Partners in Academic Excellence Programme. He attended the meeting at Panchkula, on 15 January 2016 and discussions were held on formulation of the modalities, course of action and duration of training on the theme 'Partners in academic excellence between Private Universities of Haryana and Private funded colleges'.
- As an expert to the Selection Committee of MVN University, Brig. SK Sharma (Retd) attended the VC selection meeting at MVN, Gurgaon on 22 January 2016.

- Brig. SK Sharma (Retd) participated in the Second Consultation Workshop on the 'Drafting of the State Higher Education Plan for Haryana: From Institutional Plan to State Plan', on 25 January 2016 at OP Jindal Global University, Sonapat, Haryana. Additional Chief Secretary, Higher Education, Government of Haryana, Mr Vijai Vardhan chaired the Consultation Workshop.

- Brig. SK Sharma (Retd) attended the 90th Annual General Meet of Association of Indian Universities (AIU) from 5-7 February, 2016, hosted by Sardar Patel University, Gujarat. During this AGM, a National Seminar on 'Role of Higher Education in Transforming India' was held, wherein he participated on various subthemes on behalf of the University. More than 150 Vice-Chancellors of member universities attended the Meet.



News and Events

XVIIth Academic Council Meeting of NCU



XVIIth Academic Council Meeting of The NorthCap University was held on 19 September 2015. The meeting was chaired by the Pro Vice-Chancellor, Brig. SK Sharma (Retd). The Academic Council is the apex body for academic activities and promotes the highest standards of teaching and learning. The meeting is held thrice a year and stimulates debates on major strategic and academic issues. It also reviews and approves academic resolutions and policies. For the first time, two student members were invited to the meeting to share their views and contribute to the academic growth of the University.

Fifth Academic Advisory Board Meeting



The fifth Academic Advisory Board Meeting of the University was held on 20 February 2016 to review the progress made during the year and advise on future plans for the growth and development of the University. The Academic Advisory Board is the supreme advisory body comprising eminent educationists and industry experts drawn from across the country.

Honourable members exchanged views, presented new and refreshing ideas, and advised on actions to improve the academic life and other essential deliverables so that the University could achieve its ultimate aim of attaining a position of preeminence in India and have a global presence. They discussed key issues such as review of curriculum, research and development

activities, new courses, collaborations of Departments with industry to share knowledge and resources, initiatives for the conservation of the environment etc. Their inputs go a long way to help shape and enhance the overall academic quality, curriculum development and spectrum of services at this premier University.

Members of the Board also interacted with faculty and students on the Dean's List, sharing their thoughts and

inspiring them to be innovators, ground breakers and nation builders.



University awarded degrees to its students at the Annual Convocation Ceremony



The University held its fourth Annual Convocation Ceremony for various undergraduate and postgraduate courses on 21 December 2015. The ceremony was a memorable one for the graduating students and was presided over by the Chief Guest Shri Balmiki Prasad Singh, IAS (Retd), Ex-Governor Sikkim, Former Union Home

Secretary and Executive Director, World Bank. The Pro-Chancellor, Professor Prem Vrat and the Pro Vice-Chancellor, Brig (Retd) SK Sharma conferred the degrees followed by Shri Balmiki Prasad Singh who presented the awards to the meritorious students. In his convocation address, Shri BP Singh appreciated the facilities and support provided

to the students in different streams of study. He was glad to see the level and quality of education provided by the University.

A total of 897 students were awarded degrees in their respective disciplines, including 629 from BTech, 140 from MTech, 31 from BBA, 47 from MBA and 12 from LLM. The first two PhD scholars from the University were also awarded degrees during the Convocation. Gold, silver and bronze medals were awarded to 37 students, who topped the list in their respective streams.

Earlier, amidst the chanting of mantras the convocation started with the academic procession. Later, the Pro Vice-Chancellor, Brig SK Sharma (Retd) presented the Annual Report of the University and mentioned that the University has consistently been ranked No. 1 University in Haryana, North India and NCR by leading surveys and ranking bodies.

Annual Scholarship Distribution Ceremony held at the University



The University held its Annual Scholarship and Fee Concession Distribution Ceremony on 16 December 2015 and awarded scholarships on merit and means basis to deserving students. The ceremony was graced by the presence of Prof. Ranbir Singh, President of Association of Indian Universities (AIU), and Vice-Chancellor, National Law School, Delhi as the Chief Guest.

Students from all the three Schools of the University participated in Scholarship Distribution ceremony. Prof. (Dr) Ranbir Singh distributed the Scholarship awards to the outstanding scholars and students of Dean's List, while the Pro-Chancellor, Prof. Prem Vrat presented the fee waiver awards to the students on merit and means basis. Presenting the awards, Prof. Singh appreciated support provided to the students through the scholarships.

A total of 222 students from the Schools of Engineering, Management and Law were provided Scholarships amounting to over Rs. 1.6 crores. Earlier, the University staff and students accorded a warm welcome to Prof. (Dr) Ranbir Singh on his arrival at the campus.

Youth Parliament 'Disha'



The University organized the first edition of NCU Youth Parliament 'Disha' on 19-20 September 2015. Students from different colleges across Delhi NCR participated in the event. On the first day of the event, students presented arguments and counter-arguments on the agenda 'Delhi statehood'. The Executive Board moderated the whole committee and provided essential information regarding the parliamentary democracy of India. On the second day of the event, the participants were given a crisis to resolve. The way the students tackled the crisis was applauded by the Executive Board members.

The event was a huge success with the participants praising the organizing committee for successfully conducting NCU Youth Parliament.

Internal Audit

Fourth internal audit of different Departments of the University was held from 13 to 16 January 2016 covering the period of July-December 2015. The Audit committee comprised Prof. Prem Vrat (Chairman), Prof. BK Das (external member), Brig. SK Sharma (Retd), Prof. Ravindra Ojha and Wg Cdr Manohar Vasudev (Retd) (Convener). During the visit by the audit team, the details of Departments, NBA report, and innovative efforts of the Departments were presented. The team interacted with the faculty members, visited the facilities at the departments and provided valuable feedback for further improvement.

Satellite Symposium on Modeling Brain Information



The University organized a 'Satellite Symposium on Modeling Brain Information' on 30 August 2015 as a part of 2015 International Conference on Brain Informatics & Health (BIH'15), held at London, UK from 30 Aug – 2 Sep 2015. The Symposium covered the topics on Neurosciences, Cognitive science, Signal processing and Neuroimaging technologies, and witnessed high quality talks from both brain and informatics communities presenting the state-of-the-art research in the field. The Symposium and the Conference helped create great opportunities for researchers to exchange ideas, identify emerging challenges and present novel results from different domains in a focused manner. The Symposium witnessed presentations from Prof Phool Singh, Dept of Applied Sciences, NCU; Prof Prabha Sharma, Ms Jyotsna Singh, Mr Sandeep Singh, Ms Suman Bhatia, all of Dept of CSE and IT, NCU; Prof RK Aggarwal, School of Computer and Systems Sciences, JNU and other dignitaries from different parts of the globe including Ms Karina Jaime, Cinvestav Unidad Guadalajara, Mexico and Mr Taihei Kotake, Maebashi Institute of Technology, Maebashi, Japan, who were connected through Skype.

Meeting with Governor of Narok County, Kenya

The Pro-Chancellor NCU, Prof. Prem Vrat and the Pro Vice-Chancellor, Brig SK Sharma (Retd) had a fruitful and informative discussion with Governor of Narok County, Republic of Kenya, His Excellency Mr Samuel K Tunai on 10 September 2015. It was a prolific meeting wherein the delegates discussed regarding the education initiatives and collaboration between NCU and Maasai Mara University in the County of Narok. The meeting included discussions on student and faculty exchange programmes after level mapping, summer foundation courses, joint research programmes between NCU and educational institutions in Narok County. They also had conversations on cooperative programmes at postgraduate level.

ORSI opens Examination Centre in North India

The Operational Research Society of India (ORSI) has designated The NorthCap University, Gurgaon as the first and only Examination Centre of ORSI in North India. This will facilitate the Operational Research scientists and scholars to promote and propagate knowledge in the field of Operational Research and allied disciplines. Desirous candidates to pursue the course on OR may visit the ORSI website at www.orsi.in for further details.

ORSI provides Operational Research scientists a forum to widen their horizon by exchange of knowledge and application of

techniques from within as well as outside the country. The Society is also affiliated to the International Federation of Operational Research Societies (IFORS). One of the objectives of the Society is to promote and propagate the knowledge in Operational Research by conducting courses/ examinations on Operational Research.

Prof. Prabha Sharma, Dept of CSE&IT, NCU has been selected as the member of Executive Council, ORSI, during her visit to Kolkata at ORSI Headquarters.

University signs agreement with Mitsubishi Electric India for student training



The NorthCap University entered into an agreement with Mitsubishi Electric India Private Limited (MEL), a well-known brand and global leader in electric and electronic equipment for residential, commercial and industrial use, in a bid to align its teaching and training process with the best of industry practices.

The Memorandum of Understanding was signed by Col Bikram Mohanty (Retd), Registrar, NCU and Mr Makoto Kitai, Managing Director, MEL with Mr Pradeep Rohilla, Asst Professor, Dept of Mechanical Engineering as the coordinator from NCU.

The objective of the agreement is to establish

collaboration between the University and MEL to spread awareness about automation amongst engineering students and provide training to them. As a part of the MoU, MEL will supply the Mitsubishi FA training equipment to NCU for demonstration, learning and training purposes. MEL has provided software for simulation and programming of training equipment which will be used for student training and demonstration. They will also support the University in student projects and training.

NCU's OSA Student Chapter launched

The NorthCap University is now a proud member of Optical Society of America (OSA). NCU is the third institution after IIT Delhi and DTU in the NCR region to be placed on the world map of OSA. NCU OSA Student Chapter was officially approved by the Member and Education Services (MES) Council on 29 October 2015. The Chapter functions under Mr Yash Yadav (CSE Dept) as Chapter President and Ms Vishu Singh, Mr Tushar Arora, Mr Vineet Jain (all of CSE Dept) and Dr Hukum Singh (Associate Professor, Dept of Applied Sciences) as Chapter Adviser. The Student Chapter at NCU receives the benefits of start-up funds, travelling lecture grant, Student Chapter Excellence prize and global networking.

OSA is the leading professional association in optics and photonics, science, engineering, and business leaders from all over the world. Through world-renowned publications, meetings, and membership programs, OSA provides quality information and inspiring interactions that power achievements in this domain. OSA, founded in 1916, is leading professional organization for scientists, engineers, students and entrepreneurs who fuel discoveries, shape real-life applications and accelerate achievements in the science of light.

Start-up fund and official custom logo received from OSA

A start-up fund of USD 250 has been awarded to The NorthCap University OSA Student Chapter for its functioning by carrying out different activities. An official custom logo for the Chapter has also been received.

The OSA Student Chapter looks forward to perform student activities both on and off campus under the guidance of Dr Hukum Singh, Chapter Advisor and Associate Professor, Department of Applied Sciences. The Chapter also expects to receive some other incentives for promotional events of OSA.



MoU between Spoken Tutorial IIT Bombay and NCU



Spoken Tutorials

An MoU was signed between Spoken Tutorial Project, IIT Bombay and The NorthCap University. The agreement is helping the University in conducting software training programmes in collaboration with IIT Bombay. The Spoken Tutorial Project works as a mentor for the University in incorporating technology-enabled learning into the University and provide the required training material and documents to the University. All departments are expected to get involved in this venture.

IUCEE-SPEED Conference



The Department of CSE&IT organized a three-day IUCEE-SPEED Regional Conference from 28–30 September 2015 for engineering students to improve engineering education in India. The event started with an introduction to IUCEE (Indo US collaboration for engineering education) and SPEED (Student platform for engineering education development). A few group activities and a workshop were held to bring awareness about the challenges associated with the conventional system of engineering and make students work collaboratively to find a solution for these challenges and think

about how they can overcome the barriers they face. Presentations were held by various groups about their respective action plans and how they would implement it, what all resources they would need, how they would manage change.

Through this workshop students were made to think beyond the boundaries and focus on how they can work in synergy and accelerate the process of improving the quality of imparted engineering education.

Activity Grant received from SPIE

SPIE Student Chapter at NCU has received an activity grant of USD 1500 from SPIE. The grant has been provided in view of the enthusiastic response of students of the Chapter, as around 40 students from the University have joined the Society during 2014-15. Currently, there are 56 student members and 7 faculty members in the NCU Student Chapter. The Society granted funds for the future activities of the Student Chapter during the year.



Mock Interview Sessions



One of the major parameters to gauge an educational institute is the final placement of students. For better preparation of its students for the placements, School of Professional Attachments (SPA) and Centre of Languages Learning (CLL) organized sessions of mock interviews for students of different departments on 13 and 14 October 2015. SPA worked in tandem with CLL for grooming of students for placement drives. Mrs Prerna Chauhan from CLL initiated exclusive sessions for aspiring students for forthcoming interviews. She simulated an environment of personal interviews and group discussions. The sessions were found highly absorbing by the aspirant students.

ASQ Annual Quality Conclave



The American Society of Quality (ASQ) – NCU Student Chapter conducted its Annual Quality Conclave 2015 on 25 November 2015 which was attended by about 25 industry experts and 100 faculty and students. The theme of the conclave was 'Quality for Life'. The industry-student synergy was enhanced by the presence of many industry leaders who brought with them

their unique experiences and inspired the students to walk the road of quality. The event was graced by the presence of industry experts and academicians, including Prof. Prem Vrat, Pro-Chancellor, NCU; Mr NP Chandok, Associate Vice President - Quality, Hero Motocorp; Mr IV Rao, Executive Advisor, MSIL; Mr Ciby James, Director -ASQ India; Dr Arati Verma, Sr VP Medical Quality, Max

Healthcare; Ms Savita Bradoo, Director Quality Convergys; Mr Lokendra Kulshrestha, Director Business Transformation APAC, Philips Lighting amongst others.

In the opening address to the conclave, Prof. Prem Vrat, Pro-Chancellor, NCU, addressed the importance and relevance of Quality in life and workplace. Mr IV Rao and Mr Ciby James highlighted the healthy association between ASQ and NCU and talked about Quality Engagement. The invited speakers delivered talks on importance and role of Quality in different realms of life including service sector and healthcare industry. They also focused on the fact that service quality can be the only way forward for growth. The conclave concluded with a vote of thanks by Prof. Ravindra Ojha, Director SOET, NCU.

Video Shoot by ASQ

The NorthCap University on 11 February 2016 shared its views on Quality through a video shoot by the ASQ US team. The theme for the shoot was 'Quality is Everywhere'. The prime focus was to let the world know how the presence of ASQ in India, including NCU has made a difference. Prof. Prem Vrat (Pro-Chancellor, NCU), Ms Jyotika Pruthi (Dept of CSE&IT), Ms Srishti Bhalotia (Chairperson, ASQ NCU Student Chapter), Mr Mandeep Kalra (Co-Chair, ASQ NCU Student Chapter) and Ms Sunita Pal (Coordinator, ASQ NCU Student Chapter) shared their thoughts during the shoot. The team from USA was impressed by the University's quality culture.



ASQ organized HR Conclave on Creating Talent



The ASQ-NCU student chapter organized HR Conclave on 'Creating Talent' on 29 January 2016. Many senior HR experts from industries such as Tata Services Ltd, Maruti, GMR, Convergys, Quattro etc. participated in the conclave. Students showcased their recent socially relevant projects such as e-waste recycling model, coconut cutting and puncturing machine and others. Inaugurating the event, the Pro-Chancellor, Prof. Prem Vrat said that NCU is the first University in India to have an ASQ Student Chapter and appreciated it for being very active. He stressed on the importance of lifelong learning to be globally employable.

The Chief Guest, Mr Bharat Wakhlu, Resident Director Tata Services Ltd. delivered an inspiring keynote address. He was impressed by NCU's growth and development and appreciated the projects displayed by the students.

Visit of ASQ-NCU team to Hero Motocorp Ltd



A SQ Student's Chapter at NCU organized an industrial visit to Hero Motocorp Ltd. (Formerly Hero Honda Motors Ltd.) Gurgaon plant on 11 January 2016, with a view to get the insights about the vision, mission and strategy of the world's largest manufacturer of two-wheelers, based in India.

The ASQ- NCU team of 30 students and staff, led by Ms Purnima Bajpai, Asst Professor, Dept of Civil and Environmental Engineering, were warmly welcomed by Mr Sumit Shandliya. He interacted with the students by giving a brief about Hero Motocorp responding to all the questions from our students. The

session was aimed towards motivation of the students to work for a major manufacturing organization in a dedicated manner.

The University also came forward with their presentation showcasing their USPs, rankings, collaborations, academic initiatives and what talent they can offer to Hero MotoCorps in terms of employability, internship and projects. The ASQ team was then taken to the plant where the actual assembly of two wheelers was demonstrated by their instructors.

NCU expects to strengthen the bond of collaboration through summer internships and projects that they can offer to our young minds.

NCU faculty provide Career Counselling to School students

A team of faculty of NCU visited Salwan Public School, Gurgaon on 7 November 2015 for career counselling of students of Class 11th and 12th. The team comprised Ms Jyotsna Singh, Ms Anjali Garg, Mr Ashwini Sharma and Mr Chetan Singh. They interacted with the students of the school and helped them in deciding their career after +2.

The visiting team had an interactive discussion with the students giving information on the courses running at NCU, their eligibility conditions, duration of the

course etc. Students and parents showed their interest in learning about the different courses offered by NCU, eligibility and other details.

Apart from the counselling session, the NCU team also displayed our Mechanical Engineering Department's project 'Baja Vehicle' in the school which was an eye catcher for students as well as faculty of the school. Other projects like Suraksha, Humanoid robot and an Automation project were also discussed with the participants.

Meeting with Students on Dean's List

A meeting of Officiating Vice-Chancellor, Brig SK Sharma (Retd) with UG/PG students of various programmes who featured in the coveted Dean's List of Semester Results (June 2015) was held on 9 October 2015. Apart from the Officiating Vice-Chancellor, the meeting was attended by the Pro-Chancellor, Prof. Prem Vrat; Dean (Academics), Prof. Swaran Ahuja and Directors of Schools. During the meeting, brainstorming discussions were held on various points like how to create more practical oriented teaching environment, review of course content at department level, amendments in the process of re-appearing of students in exams, students representation in different university level committees, peer-tutor scheme, various industrial & academic MoUs and placements of NCU. The Dean's List indeed is effectively working as a students think-tank of the University.

Career Counselling workshop at Euro International School, Gurgaon

A team of faculty from NCU made a visit to Euro International School, Gurgaon on 22 January 2016 to conduct a career counselling session for the senior secondary students of the school. The session was conducted by Ms Jyotsna Singh (Dept of CSE&IT), Dr Anjali Garg (Dept of EECE), Mr Ashwini Sharma (Dept of ME) and Mr Chetan Singh (SPA). The speakers enlightened the students on the topic 'Career Options in Engineering, Management and Law'. The session was attended by about 150 students along with faculty members and was very well received. A lot of queries were raised by the students which were responded to their satisfaction. They were also informed about the pioneering position held by NCU and details of courses being offered at the University.

Best Research Paper Award by PARC

The NorthCap University encourages and recognizes the research activities of Assistant Professors, Associate Professors and PhD scholars of the University by providing Best Research Paper Award to the deserving candidates for their research publications. The award is recommended by the University's Publication Award Recommendation Committee (PARC) through a meticulous procedure involving external experts of repute. For the year 2014, the Pro-Chancellor of NCU, Prof. Prem Vrat presented the Best Research Paper Awards to Dr Hukum Singh, Dr Sunanda Vashisth and

Dr K Mathiyazhagan on 19 September 2015 for their outstanding research papers. The awarded research papers are:

1. Hukum Singh, A K Yadav, Sunanda Vashisth and Kehar Singh (2014), 'Fully phase image encryption using double random-structured phase masks in gyrator domain', Applied Optics, 53 (28), 6472-6481.

URL: <http://www.opticsinfobase.org/ao/abstract.cfm?uri=ao-53-28-6472>

2. Ali Diabat, Devika Kannan and K Mathiyazhagan (2014), 'Analysis of

enablers for implementation of sustainable supply chain management-A textile case', Journal of Cleaner Production, 83, 391-403.

URL: <http://www.sciencedirect.com/science/article/pii/S0959652614006696>

An amount of Rs 40,000 has been awarded to Dr Hukum Singh and Dr Sunanda Vashisth, to be shared equally, while an amount of Rs 25,000 has been awarded to Dr K Mathiyazhagan.

Outreach Activities of Distinguished Professor



Prof. Kehar Singh
Honorary Distinguished
Research Professor

- Prof. Kehar Singh, Hony. Distinguished Research Professor was a guest of honour at a workshop organized by Al Falah University Dhauz, Haryana on 6 August 2015. He also delivered an

invited lecture on 'Laser Speckles: Fundamental Properties and Some Applications'. The workshop was organized to celebrate 2015 as the year of Light and Light Related Technologies.

- Prof. Kehar Singh was a member of an expert committee of the Indian National Academy of Engineering, held on 20 August 2015 to select candidates for the prestigious 'INAE Young Engineer' award.

- Prof. Kehar Singh, Hony. Distinguished Research Professor delivered the following invited lectures:

- Delivered an invited lecture on Optical Cryptography during International Conference on 'Advances in Light-based Technologies and Spectroscopy of Materials' on 16 January 2016 at Lucknow University.

- Delivered a series of eight lectures on 'Optical Holography: Theory and Applications' in DST sponsored Winter School on 'Modern Optics' from 16-18 December 2016 at IIT Patna.

Faculty Development Programmes

Six day Faculty Development Programmes on different themes and topics were organized by all the Departments of the University in December 2015. Faculty from different Departments participated in the FDPs and learned from the insights of the eminent speakers. The aim of this workshop was to motivate and inspire the faculty members in academics. Interaction with the speakers was highly enlightening for the attendees.

Department of EECE



A six-day Faculty Development Programme was organized on 14, 15, 19, 22, 23 and 24 December 2015 for the faculty members of the Department. The theme of the FDP was Latest Trends in Industry and Research. The FDP covered lectures on diverse aspects including talks on emotional intelligence, smart cities and sustainable development, satellite communication trends and its growth, challenges in industries, smart grid & grid integration of large capacity renewable energy sources, optical wireless communication: challenges and solutions, basics of electronic warfare, latest technology trends in IP multimedia system, etc. by eminent professors from NCU, IIT Delhi and experts from industries. The programme also included software training of image processing tool box in Matlab by Matlab experts. The programme was very informative for all to know the latest trends of industry as well as academics in order to bridge the gap between the two. [ECE2015WO12]

Department of CSE&IT

A six-day Faculty Development Programme on 'Emerging trends in innovative education delivery' was held at the Department of CSE&IT during 7-14 December 2015. The FDP aimed to provide opportunities to faculty members to enrich their teaching skills and research in the field of emerging industry expectations from Computer Science Engineering, emerging trends in teaching pedagogy, role of research & development (R&D) in delivery of quality education, report writing, quality of BTech projects and value added courses etc. The FDP was attended by 35 faculty members of the Department of CSE&IT.

Dr Latika Singh delivered talks on Emerging Trends in Teaching Pedagogy and flipped classrooms. Dr Divya Sharma delivered an interactive lecture on Emerging Industry Expectations from Computer Science Engineering. Achievements of IIIC (Industry Institute Interaction Cell) were also discussed in the FDP. Dr Prachi Ahlawat and Dr Divya

Sharma focused on Good Quality internship. An enlightening lecture on Trends and innovations in student assessment techniques was delivered by Ms Meghna Sharma. An informative lecture on Role of research and development in delivery of quality education was delivered by Dr Supriya P Panda. Dr Usha Batra delivered a talk on emergent learning strategy i.e. Microlearning known for quickly closing skill and knowledge gaps. She also discussed about insights on BTech Major Projects. Dr Deepti Gaur presented on the topic Quality of report writing. Dr Akansha Singh focused on Innovative education delivery of VA courses. Dr Yogita Gigras explained Innovative Technologies & Trends in Cyber Security.



The sessions were very informative and benefitted the participants as the topics matched the current working domain and latest information. Participants were enlightened with the most widely used advance technologies. [CSE2015FO001]

Department of Civil and Environmental Engineering



A six-day Faculty Development Programme was organized by the Department during 14-19 December 2015. The FDP comprised a number of events like expert sessions by the faculty mentors, senior professors, external and internal faculty members, excel training sessions, industrial visits, and an extensive two day workshop on 3D Max software.

The FDP included lectures on design of a pumping main and research methodologies pertaining to environmental studies by Prof. PK Swamee, and training on advanced excel

software by Dr Amit Srivastava. During the FDP, the faculty members also made an industrial visit to the Unitech Signature Tower II & III construction site. Other sessions at the FDP included lectures on personality assessment techniques by Ms Prerna Chauhan from CLL, on air pollution by Prof. Pramila Goyal, on modern construction techniques and practices by Mr Ashok Garg from Engineers India Limited (EIL) and a workshop on 3D Max software conducted for all faculty members through CADD Centre Dwarka. [CEE2015FO002]

Department of Mechanical Engineering

A Faculty Development Programme was organized by the Department for faculty members and associated technical staff member from 19-24 December 2015. The FDP was based on the Analysis Software ANSYS, having three major modules – Mechanical, Computational Fluid Dynamics and HF (Electronics). The FDP was organized in order to upgrade the faculty members for research and to take up a regular audit course for 4th Semester Mechanical Engineering students. The training was conducted by professional trainers from ANSYS, Inc. and coordinated by Dr Pramod Bhatia, Mr Deevesh Sharma and Mr Abhishek Pratap Singh. [MED2015FO001]

Department of Applied Sciences and Centre for Languages Learning



A six-day Faculty Development Programme on Effective Teaching and Learning was organized by Dept of Applied Sciences and Centre for Languages Learning during 14-22 December 2015 which was attended by 27 faculty members of APS and CLL. Eminent academicians delivered expert lectures on varied topics. Prof AK Yadav talked on Enhancing Student Engagement- An Interactive Session while Prof. Kehar Singh delivered a lecture on Laser Speckles: Basics and Applications. Ms Shivani took a session on Listening and Interpersonal Skills. Honorary Distinguished Research Professor IK Verma delivered a lecture on Biodegradable polymers and Prof Sushil

Kumar Jain presented his study on Uncertainty in Measurements and its Importance. Prof. Prem Vrat in his lecture on Improving Teaching and Research Effectiveness through ICT enabled learning briefed the participants about the powerful impact of ICT in teaching and learning process. Ms Purna Chauhan conducted a session on Basic Assertion Skills. Prof. RB Bapat, ISI Delhi and Prof. VD Sharma, IIT Bombay gave lectures on how to introduce topics to students and how to make them interactive. The organizing team comprised Dr Sunanda Vashisht, Dr Pranati Purohit and Dr Divyabha. [APS2015FO001]

School of Management



School of Management organized a Faculty Development Programme on Developing World Class Teaching Competencies: A New Perspective from 11-17 December 2015. Resource persons during the FDP included Ms Jiveta Chaudhary, Prof. DR Agarwal, Dr Ruchi Nayyar, Dr Shilpa Sindhu and Mr Deepak Sharma. The speakers covered different topics like moderation process for grading of students, how to write a teaching case, plagiarism and introduction to database, familiarization to OTMS and least square estimation. The coordinators of the FDP were Ms Karishma and Ms Parul Munjal. [SOM2015FO001]

School of Law

With an aim to analyse and discuss contemporary legal issues, School of Law organized a 5-Day Faculty Development Programme from 14-18 December 2015. Mr BK Gupta, Director, SPA, NCU; Prof. Pushpesh Pant, Professor & Dean, NCU Law School; Ms Chandrakala Chauhan, Dy Librarian, NLU, Delhi; Prof. Saligram Bhatt, Professor Emeritus, NCU Law School and Dr Rahul Nikam, Asst. Professor, NCU Law School delivered lectures on various contemporary legal issues during FDP.

Mr BK Gupta discussed on 'Changing paradigms of industry oriented education system' pointing out essential elements which must be incorporated in the contemporary legal education for making students well versed with the substantive law and prepare them to interact with the industry. Prof. Pushpesh Pant spoke on 'Emerging trends in criminology in India' giving an insight of the recent development in the criminal law. He discussed issues which are in the forefront and a cause of concern for entire legal fraternity. Ms Chandrakala Chauhan talked about 'Turnitin and plagiarism' providing intricacies of anti-plagiarism software Turnitin and purpose of guarding against plagiarism in legal research. Prof. Saligram Bhatt talked on 'Sustainable development in Haryana' and explained the significance of sustainable development and environment protection. He shared his views on how to bring sustainable development without hampering the economic growth. Dr Rahul Nikam lectured on 'Space law and its intricacies' and apprised the faculty members with a very nascent and emerging area of law. He discussed the content and jurisprudence of space law sharing his experience of working at space centre of India.



Guest Lecture on 'Transformation is Inevitable'



Dr Shantanu Ganguly, Fellow, Knowledge Management Division of TERI, New Delhi delivered a lecture on 'Transformation is Inevitable' to the students and staff of the University on 2 January 2016. During the informative lecture, Dr Ganguly covered two major areas of 'Infopreneurship' (a word coined from entrepreneurship) and Knowledge Management. He discussed the

importance of 'infopreneurship' in today's context and why one should be pro-active and be an infopreneur to survive in the dynamic market environment. He also mentioned that how infopreneurship is intertwined with Knowledge Management (KM).

At the outset, Dr Ganguly giving a historical perspective, informed that TERI was originally set up as an information and documentation

centre to disseminate knowledge in the field of energy, environment and sustainable development. During his deliberations, he also mentioned that the KM division handles some of the prestigious projects related to database development, digitization and research analysis. Dr Ganguly also enumerated that TERI has come up with specialized skills and capacity development programmes such as Professional Development Programme (PDP) to keep abreast today's professionals with the current trends on these areas. He captivated the audience with his lively discussions and answered their queries enthusiastically. At the end, the Pro Vice-Chancellor, Brig. SK Sharma (Retd) congratulated and thanked Dr Ganguly for his thought provoking address. The event was coordinated by Mr Deepak Sharma, Assistant Librarian.

Special Lecture on 'Values'



To guide the students of the University on values, vision, mission and more, the University organized a special lecture by Mr Abhimanyu Kaul on 13 January 2016, for engineering students. Mr Kaul has been a thought leader, strategic advisor and transformational coach, working with individuals, groups, corporates and institutions in the area of values and spirituality at the workplace. He is passionate about empowering people to achieve their

goals and realize their untapped potential using a value-oriented approach.

Mr Kaul started the session by interacting with the students and understanding their expectations and needs. He subsequently explained that what actually make a person a good human being are values of respecting other's views. Defining 'I am' was an eye-opening activity conducted during the session. Students were made to define their vision and mission for life. Mr Kaul involved the students

in doing an interesting activity about setting a goal and be focused. The concluding session on 'laughter therapy' was well appreciated by the students with their enthusiastic participation in the activity.

The session aligned the issues raised to our concerned modules in the course, Human Values and Professional Ethics. Students keenly participated in the session and gained a lot from the insights of Mr Kaul.

Guest Lecture on 'Global Megatrends'



The University organized a special lecture on 'Global Megatrends' by Mr Deepak Vohra on 11 January 2016. Mr Vohra talked about the shift of economic and business trends in the world market and mentioned that India is the new centre for global market and investment. In the recent years, India has emerged as the best option for global market and by 2050, India can be the leader in this. The audience was captivated by his talk and learned a lot from his insights and experience.

The Pro Vice-Chancellor, Brig SK Sharma (Retd) thanked Mr Deepak Vohra for his invigorating address to the faculty and students of the University.

Inaugural Lecture Series by Senior Professors

The NorthCap University is associated with senior professors having vast experience in their respective fields. In order to share their knowledge and experience with all faculty members, a scheme of 'Inaugural Lectures' by the Senior Professors has been instituted. The aim of this special lecture is to introduce them to all faculty members besides their own department and also to create a platform for interaction between senior and young faculty members. The topic of lecture is generic in nature so that faculty from different departments can participate in the discussion.



Prof. Amitava Sen Gupta who joined the University in November 2015 as Honorary Distinguished Research Professor in Dept of EECE and mentor of RDIL, delivered the first lecture in this series on 6 February 2016. Prof.

Sen Gupta spoke on 'Antarctica- A fascinating continent' and discussed the history, geography, geology and interesting facts about the continent. He shared his first-hand experience on the expeditions to Antarctica as

Indian representative while working with NPL. The memoir, complemented with photographs was enlightening and sparked a lively interest in the audience.

Visit by Mr Anil Relia, Director, NABL



Mr Anil Relia, Director, National Accreditation Board for testing and calibration Laboratories (NABL) visited the University on 10 February 2016. Mr Relia was

welcomed by Brig. (Retd) SK Sharma (Pro-Vice Chancellor), Director School of Engineering and Technology and faculty members of SOET. He was informed about the activities taking place in different departments and the scope of the lab accreditation under Civil and Mechanical Engineering Departments. He advised to identify the labs and specific testing equipment which can be proposed for

accreditation. He also mentioned that this would be a good start to have the labs accredited by NABL so that this can be a centre of excellence for testing facilities in this region, catering to constructional and manufacturing industries. Mr Relia gave a detailed presentation of various activities and new initiatives launched by NABL. HODs of Civil and Mechanical Engineering conducted a short visit for Mr Relia to the Department labs. The Pro-Chancellor, Pro. Prem Vrat also had a brief meeting with the Director NABL before his departure.

School of Engineering and Technology

Department of Electrical, Electronics and Communication Engineering

Guest Lectures

□ IEEE NCU Students Chapter organized a guest lecture on 'Role of IEEE in Technical Education' for ECE students on 17 September 2015. The resource person for the lecture was Dr Prerna Gaur, Associate Professor, NSIT, Delhi and Chairperson IEEE Women in Engineering. She explained about IEEE and its importance in technical education. The students found the session highly informative and useful. The event was coordinated by Ms Pooja Sabarwal and Mr Pavan Khetrpal. [ECE2015G011]

□ The Department organized a guest lecture on 'Thin Films: Its Characterization and Application' by Dr Ashok Kumar, Asst Professor, Materials Science Department, NIT Kurukshetra on 18 September 2015, for BTech and MTech students. Dr Kumar discussed different characterization techniques of thin film and its uses in research and industry. Dr Kumar also explored about the possible collaboration of our faculties with NIT Kurukshetra and explained the Nanotechnology facilities available at NIT Kurukshetra. The visit of Dr Kumar was coordinated by Dr Vinay Budhraj, Associate Professor. [ECE2015G012]

□ The Department organized a guest lecture on 'Digital India' by Lt. General (Retd) Ashok Agarwal (PVSM) on 23 November 2015. Lt Gen Agarwal is currently working as Head of Operations, India & Sri Lanka, AVG Technologies Inc., USA. He is specialized in anti-virus solutions for mobile phones, PCs, tablets etc. The guest lecture was attended by 5th and 7th sem students of ECE. Lt Gen Agarwal spoke about the tremendous scope of 'Digital India'. The lecture was coordinated by Ms Anita Sharma and Mr Pankaj Rakheja. [ECE2015G016]

The Department organized a talk on 'Perovskite Photoanode for Dye Sensitized Solar Cell' by Ms Astrid Placke, HAWK University, Germany on 18 September 2015 for BTech and MTech students. Ms Astrid Placke also guided the final year BTech and MTech students who want to go for higher studies to Germany. Our students interacted with Ms Placke and gave a glimpse of Indian culture. In her talk, she provided information regarding admissions, work culture, academic life in German universities for international students. [ECE2015G013]



□ The Department organized a lecture on 'Introduction to IP Multimedia Systems' by Mr Rishi Asnani, Senior Solution Architect, Mobile Core Networks, Ericsson India Pvt. Ltd., on 19 January 2016. The lecture was conducted for ECE 6th Semester students to introduce the concept of IMS to them. Mr Asnani explained the IP Multimedia Subsystem and IP Multimedia Core Network Subsystem, which is an architectural framework for delivering IP multimedia services. The students enthusiastically participated in the session and learned a lot from the experience and insights of the speaker. The event was coordinated by Dr Rekha Vig. [ECE2016G016]

□ The Department organized a guest lecture on Digital India Concept and Mobile Computing by Mr Anil Andra and Mr Nigam Sahay, senior officials of BBNL on 19 November 2015, to address the issues and vision of PM's Digital India campaign. The lecture was coordinated by Ms Ashu Gautam and Ms Nidhi Sharma. [ECE2015G015]

Workshops/ Seminars/ Conferences Organized

□ A workshop on LATEX by Mr Naman Joshi was organized on 31 August 2015 in the Department. The workshop was organized by E-Club and coordinated by Ms Anita Sharma for the students of BTech and MTech. About 30 students along with some faculty members attended the workshop on the latest document tool. The students got a good hands-on experience on the tool. [ECE2015S002]

□ Ms Sharda Vashisth, Ms Mona Aggarwal and Ms Amanpreet Kaur organized a one day workshop on 'Current trends in signal and image processing' on 6 Nov 2015, in collaboration with Designtech Systems (Mathswork). The emphasis was given on signal processing and image processing toolboxes. 30 students from BTech (ECE) and MTech (ECE) participated in the workshop. Some modules on electronics and signal processing were taught and their simulink models were explained and designed. Students found the workshop and training on signal and image

- processing helpful in handling projects. [ECE2015W0004]
- Mr Siddharth Joon, Programmer at Fidelity conducted a training session on 'Basic ethics and etiquette to follow in corporate life' on 3 Nov 2015 for BTech 3rd and 4th year ECE students. He discussed about the basic work culture and code of conduct in an organization. He also talked about how to prepare a resume, appear in an interview etc. The event was coordinated by Mr Pankaj Rakheja and Ms Nidhi Sharma [ECE2015W0005]
 - Mr Sandeep Yadav, Networking Engineer, Orange Business Service conducted a training session on 'Basics of Networking' on 3 Nov 2015 for BTech 3rd and 4th year ECE students. He discussed in detail about the job profile in computer networking domain and how to prepare for written tests and interviews in a networking firm. He also encouraged the students for taking up projects and summer internships in networking firms. The event was coordinated by Mr Pankaj Rakheja and Ms Nidhi Sharma. [ECE2015W0006]
 - The Department organized a research seminar on Smart Grid & Grid Integration of Large Capacity Renewable Energy Sources by Ms Jyothi Varanasi on 21 Nov 2015. The seminar covered the present scenario of Indian power sector. The significance of renewable energy sources in power generation was explored towards sustainable energy to reduce global warming. The faculty also presented the features of smart grid to improve the reliability and efficiency of the grid.
 - Mr Avinash Ahuja, from Samsung delivered a guest talk on 'Basic ethics and etiquettes for corporate life' on 4 November 2015. The talk was organized for 3rd year and final year students of all branches of EECE. The objective of the talk was to motivate and prepare the students for facing the challenges of corporate world. The event was coordinated by Mr Siddharth Bhatia and Ms Nidhi Sharma. [ECE2015W0007]
 - The Department of EECE organized a National Workshop on VLSI Systems Design using Xilinx Vivado Design Suite and Zedboard All Programmable SoC on 30 January 2016, in association with Xilinx & Coreel Technologies (I) Pvt. Ltd. The workshop was intended for students of BTech and MTech, research scholars and professionals. Mr Ankur Sangal, Sr Applications Engineer, Corel Technologies, Gurgaon was invited as an external expert. The workshop helped the participants gain knowledge on general Artix-7 all programmable FPGA architecture, Vivado design flow, how to create and debug HDL designs, pinpoint design bottlenecks using the reports, create and integrate IP cores into design flow using IP Catalog, use Logic Analyzer to perform on-chip verification. The coordinators for the workshop were Dr Neeraj Kr Shukla and Ms Rakhi Nangia. [ECE2016W0003]
 - The Department organized a workshop on 'How to write a Research Paper' for MTech ECE and VLSI students of 2nd Semester on 9 February 2016. The workshop aimed to inform students about the proper procedure for carrying out research starting from choosing the research problem to writing a research paper. They were made aware of the main terminologies and processes involved like SCI index journals, plagiarism and its consequences, impact factor, formatting of paper or draft for submission etc. The workshop was coordinated by Ms Amanpreet Kaur and Mr Pankaj Rakheja. [ECE2016W0005]
 - IEEE NCU Students chapter successfully organized a mock Aptitude Test for final year engineering students on 27 August 2015 so as to prepare them for placement drives. Around 73 students from various branches participated in the event and came with a feedback that such activities should be regularly organized.

Alumni Interactions

- The Department organized webinars on 'Career Guidance' and 'MS and GRE preparation' by our alumni. The first webinar was conducted by our alumnus, Mr Vishal Gupta (2001-2005 batch) for the final year students on 17 September 2015. Mr Gupta is currently working with Microsoft. The session was organized to guide the students in choosing the right career and courses for higher studies. Around 34 students attended the webinar which was coordinated by Ms Anita Sharma and Ms Nidhi Sharma. [ECE2015S003]
- Our alumni, Mr Aryan Kaushik (2009-2013 batch) conducted another webinar for ECE 5th semester students on 18 September 2015. Mr Kaushik is currently pursuing MS from Hong Kong University of Science & Technology. The webinar was attended by the students planning to pursue higher studies abroad. The event was coordinated by Ms Kusum Grewal and Ms Nidhi Sharma. [ECE2015S004]
- The Department organized a talk on 'Career opportunities' by our alumnus, Mr Abhinav, Assistant Manager, North Zone, HDFC Bank on 25 September 2015. Mr Abhinav discussed job opportunities available for ECE/EEE graduates. He further guided them on improving their project quality. The talk was coordinated by Ms Amanpreet Kaur and Ms Nidhi Sharma. [ECE2015W0001]
- The Department organized a webinar on 'Group Discussion' by our alumnus, Mr Deepak Sukhija (2009-2013 batch) for EEE/ECE 5th semester students on 18 September 2015. Mr Sukhija is currently working as a System Engineer with Infosys. The objective of the session was to provide tips to the students for cracking GDs in

Mock Aptitude Tests

- The EECE Department conducted a mock Aptitude Test for the final year MTech students of Embedded Systems and VLSI and final year BTech students of ECE and EE on 24 September 2015. The mock test was organized to prepare students for the placement drive of TCS and other organizations. Around 120 students appeared for the test which was coordinated by Ms Anita Sharma, Asst Professor.

placement. It was coordinated by Ms Amanpreet Kaur and Ms Nidhi Sharma. [ECE2015WO002]

- Dr Sharda Vashisth arranged an alumni lecture by Ms Agrata Kumar (ECE 2014 batch) on 6 January 2016. After completing her graduation, she worked with Deloitte in Enterprise Risk Services as a Business Technology Analyst (BTA) for a year. Currently, she is pursuing Masters in Electrical and Computer Engg. specializing in signal processing from Georgia Institute of Technology. Ms Kumar had an interactive session with BTech (ECE) students on 'What to do after Engineering'. [ECE2016WO001]

Industrial Visits

- The Department organized an industrial visit to Alcatel –Lucent, Gurgaon for BTech 5th and MTech 1st semester students on 28 September 2015. The students got an idea of how communication takes place with the latest technologies like GSM, CDMA, 3G, and 4G and to gain knowledge of how the BSC, MSC, GGSN, SGSN nodes work. The students found the visit very informative and edifying. The visit was coordinated by Ms Amanpreet Kaur, Ms Nidhi Sharma and Ms Ashu Gautam. [ECE2015V013]
- An industrial visit to Traction Substation, Chanakyapuri, New Delhi was organized for 38 students of EE 5th semester and EEE 7th semester on 30 September 2015. It was an educationally enlightening visit giving an insight into working and functioning of a traction substation. The students were given a chance to visit the switchyard and were explained about protection circuits, its different components and maintenance of the traction substation. The visit was coordinated by Ms Anjali Garg, Ms Sheila Mahapatra and Mr Nitin Malik. [ECE2015V012]
- An industrial visit to Napino Automobiles and Electronics Ltd., Manesar was organized for BTech students on 28 October 2015. The objective of the trip was to make students understand the usage of rectifiers, regulators, igniters, capacitors, wire harnesses, combination switches in the industry and also to explore the possibility of

summer internship in the electronics section of the company. The visit was coordinated by Ms Sharda Vashisth, Ms Amanpreet Kaur and Ms Kusum Dangi. [ECE2015V014]



An industrial visit to Napino Automobiles and Electronics Ltd.

- The Department organized an industrial visit for EE 4th semester students to Gas Insulated Powergrid substation, Sohna Road, Gurgaon on 25 January 2016. Students learnt about the latest technology of Gas Insulated Switchgear in which switchgear assemblies (CB, DS, ES, CT, PT etc.) are enclosed in a metal enclosed chamber which is filled with gas (SF₆ gas) and the enclosure is earthed. The visit was coordinated by Mr Pawan Khetrpal and Ms Jyoti Varanasi. [ECE2015V015]
- The Department organized a visit to Auto Expo 2016 for BTech (ECE) 3rd year students on 9 February 2016. The visit provided them practical exposure to what new things vehicles are imparting for Go Green drive and network management for new driverless car, which are part of their curriculum. The visit was coordinated by Ms Pooja Sabherwal, Ms Kusum Grewal Dangi and Mr Nitin Garg. [ECE2015V016]

Other Activities

- 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. Students of ECE and EEE 3rd semester enrolled for Linux and ECE and EEE 5th semester enrolled for Java for the Spoken Tutorial. The video lectures conducted by experienced faculty were coordinated by the University from 10-14 December 2015 and the online tests were conducted from 1-5 February 2016. 40 students have

been awarded certificates by IIT Bombay. The whole process was coordinated by Ms Pooja Sabherwal.

Faculty Activities

- Ms Mona Aggarwal, Assistant Professor participated in Research Opportunities Week (ROW) held from 26-30 October 2015 at the Technische Universität München (TUM), Germany. Ms Aggarwal received a Postdoc Mobility Travel Grant of 1000 euros including travel expenses, accommodation etc. The ROW is held once a year where 50 international postdoc candidates are given the opportunity to gain first-hand insights into the research opportunities at TUM, Germany.
 - Dr Neeraj Kr Shukla, Associate Professor and Nodal Coordinator, Virtual Labs IIT Delhi has been awarded INR 5000 for his continuous efforts and contributions in Virtual Labs by IIT Delhi. Virtual lab is an initiative of MHRD, Government of India.
 - Ms Sharda Vashisth attended a one day workshop on 'Optics: to celebrate the International Year of Light IYL-2015' sponsored by 'SPIE- NCU Student Chapter' at NCU held on 14 October 2015. [ECE2015W021]
- Ms Vashisth has also been awarded with the PhD degree in 'Design and development of biophysical embedded system for G-stress management of aircraft pilots' by Banasthali University.
- Prof. ML Kothari visited the Department for mentoring the faculty on 22 December 2015. Prof. Kothari is Emeritus Fellow of Department of Electrical Engineering, IIT Delhi. Faculty members discussed their research areas and methods to improve their teaching skills with him. Mr Mandeep Singh coordinated the mentoring meeting.
 - Prof. Ved Prakash Sandlas, Distinguished Scientist and Former Chief Controller (R&D) DRDO; Project Director-Satellite Launch Vehicle, Vikram Sarabhai Space Center-ISRO visited the University on 23 December 2015 for mentoring the faculty. He discussed about the research areas of the mentees and guided them on improving their teaching skills. The meeting was coordinated by Ms Amanpreet Kaur.

Department of Computer Science and Engineering & Information Technology

Departmental Activities

Guest Lectures

- The Department organized a guest lecture on 'Digital and Digital Services- A Case study of Digital Transformation Execution' on 18 September 2015 by Mr Vishal Kapil, Director - Digital (eCommerce, Content & Ops) Accenture Private Ltd, Gurgaon. The lecture focused on the digital services, digital transformation and current opportunities available in IT industry. His knowledge provided guidance to our engineering students, who are seeking a bright career ahead in this particular domain. The guest was invited by Dr Vijendra Singh. [CSE2015G007]
- The Department organized a talk on 'Privacy and Security in Online Social Media (PSOSM)' by ACM India Eminent Speaker Dr Ponnurangam Kumaraguru, Assistant Professor & Head of Cyber Security Education and Research Centre (CERC) at IIITD, on 14 September 2015. The talk covered the contemporary topics including the need to investigate, study and characterize privacy and security on online social media & the tools and techniques like Twit-Digest, MultiOSN and OCEAN to extract intelligence, which is useful to security analysts. The students had an interaction with the speaker after the talk to take up the challenging problems of cyber security. They also enquired about projects or summer training they can take up at CERC, IIITD. [CSE2015G008]
- The Department organized a guest lecture on 'Network Transformation, Software defined Network and Cloud Computing' on 24 September 2015 by Mr Nigam Singh Yadav, Head, OSS IT Sector, Orange Business Services, India. The lecture focused on ultra-broadband network proliferation, advances in information technology and the evolution of endpoint devices which have created the conditions for re-inventing telecommunications networks and services architecture. [CSE2015G009]

- On an invitation by Dr Meena Kumari, Dr Dhananjay Dey, Senior Scientist DRDO, Ministry of Defence delivered a guest lecture on 'A Gentle Introduction to Post Quantum Cryptography' on 5 October 2015. The talk covered the present and post quantum scenario of cryptography and the latest development on quantum computer by D-Wave 2X. [CSE2015G010]
- The Department organized a guest lecture on 'Big Data Analytics for Personalized Education' by Dr Mukesh Mohania (Distinguished ACM Speaker) from IBM Research India on 9 October 2015. Prof. Prabha Sharma, Senior Professor welcomed Dr Mukesh Mohania, which was followed by an address by Ms Meghna Sharma. During the talk, Dr Mohania discussed about the learning content analytics and automatic content tagging that enables the adaptive and personalized education on Big Data platform. The event ended with a vote of thanks by



HOD, Dr Latika Singh. [CSE2015G011]

- The Department organized a guest lecture for first year students on 'Overcoming the gaps between Industry and Academics' on 28 October 2015. The lecture was delivered by Mr Vivek Parmar, Lead Engineer at Ciena India Pvt Ltd. The lecture was coordinated by Ms Neha Sahu, Dr Akansha Singh and Ms Richa. [CSE2015G013]
- A guest lecture on 'Software-Defined Networking' by Ms Shivani Pathak, IT Analyst, TCS, Gurgaon was organized on 18 November 2015. Ms Pathak discussed Software-Defined

Networking (SDN) architecture, controller and application plane and also shared her industry experience in Infosys and TCS with students. At the end, she talked about various career opportunities in IT industry. [CSE2015G014]

- The Department organized a guest lecture on 'Analytics in Healthcare Domain' by Mr Praveen Sagar, Sr Associate, Axtria, Gurgaon on 17 November 2015. Mr Sagar introduced the basic and important features of business intelligence and gave an overview of analytics, as extensive use of data, statistical and quantitative analysis. Mr Sagar had an interactive session with the students and responded to their queries on emerging trends in analytics. The event was coordinated by Dr Vijender Singh. [CSE2015G016]
- The Department organized a guest lecture on 'Steganalysis: Tools and Techniques' by Dr Saibal K Pal, Scientist 'G', Scientific Analysis Group, DRDO on 24 February 2016. Dr Pal leads a team of scientists specializing in the area of Information Security. During the lecture, Dr Pal introduced the concept and details of Steganography to an audience of around 80 students and 8 faculty members. He explained steganography which is the science of encrypting secret messages in innocuous carrier mediums such as images, audio, video etc. He discussed various research topics that can be explored in the field of 'Blind Steganalysis'. The talk was coordinated by Dr Meena Kumari and Ms Rita Chhikara. [CSE2016G019]



The Department organized a guest lecture on 'Information Warfare' by Major General Subhash Chander, VSM (Retd.) on 21 November 2015. Maj Gen Chander is currently working as Director, Logix Net Solutions Pvt Ltd. and has an experience of over 50 years in the field of communications/IT. During the lecture, Maj Gen Chander discussed about the impact of information warfare across the world. He explained the use of electronic communications and the Internet to disrupt a country's telecommunications, power supply, transport systems etc. The lecture was received with enthusiasm by the faculty, and was coordinated by Dr Akansha Singh and Ms Anuradha Dhull. [CSE2015G015]



The lecture was attended by around 100 faculty members of the University during which Prof. Hallowell enlightened the audience about various speech disorders. Each disorder was made simple and easy to understand through video clippings. Prof. Hallowell also shared information on various research and career opportunities available in the area of neurogenic communication disorders. It was an educational and enriching experience for the participants. [CSE2016G018]

The Department organized a guest lecture on 'Neurogenic communication disorders' by Prof. Brooke Hallowell, PhD, CCC-SLP, ASHA Fellow on 12 February 2016. The lecture was organized at the initiative of Dr HB Singh, Scientist 'E', Dept of Science and Technology, Govt of India. Prof. Hallowell is

Executive Director of the Collaborative on Aging, Professor and Coordinator of PhD Programmes in Communication Sciences and Disorders, Director of the Neurolinguistics Lab, Adjunct Professor of Family Medicine and Biomedical Engineering, Professor of Asian Studies at Ohio University, USA.

Workshops/ Seminars/ Conferences Organized



The Department organized a Workshop-cum-Meet Up session, 'Rendezvous with Agile' on 13 October 2015, which was attended by senior Agile software developers from various software industries, directors

and representatives of our industrial partners, faculties and MTech students. The session and workshop were attended by about 40 participants. The session was inaugurated by Director (SOET), Prof. Ravindra Ojha. The

speakers at the event included Mr Priyank Pathak, Head Innovation Roots, a leading agile company; Ms Suchi Singla from Scaled Agile Academy; Mr Ashok Jain, a leading agile practitioner and Mr Narinder Kamra, Director, vDoIT Technologies. The speakers discussed different aspects and utility of Agile software and presented the case studies about different projects. Later, Director SPA, Mr BK Gupta met the industry representatives and arranged a meeting of Director Miracle eye with MBA students regarding placements. The event was sponsored by Mr Narinder Kamra, Director, vDoIT Technologies, Gurgaon.

- The second session in the series, Workshop-cum-Meet Up session-2, 'Scaling with Agile Practices' was organized on 19 January 2016. The participants included senior Agile software developers from software industry, along with faculty members and MTech students. There were speakers from the various industries namely Ms Suchi Singla (Baffle Solutions Technologies), Mr Ashish Mahajan (FORD), Mr Rishi Chadha, Mr Prashant (Innovation Roots), Mr Kuljeet Singh Sharma (Blue Chip) and Mr Amitabh Mendiratta (Xebia IT Architects Pvt Ltd), who shared their insights on the theme.



The Department organized a two-day workshop on Android App Development on 22 and 23 December 2015 in which 12 faculty members and 3 students participated. During the workshop, the participants learned about different issues related to Android App development and its deployment. The event was coordinated by Dr Akansha Singh and Ms Neha Sahu. [CSE2015W010]

Industrial Visits

- Ms Geetika visited VDoit Technologies, Gurgaon on 5 November 2015 to meet Mr Narinder Kamrah to discuss the BTech major project problems along with her project students. During the meeting, Mr Kamrah gave valuable suggestions to improve the project.
- A visit was made to Centre for e-Governance, Department of Electronics and IT, New Delhi on 11 January 2016 by Ms Shilpa Mahajan and Ms Neeti Kashyap along with 30 BTech students. The team attended the workshop on Digital India Programme where students learned about ongoing Government projects, current market scenarios and various innovative techniques to enhance their skills.
- Dr Latika Singh, Prof. Meena Kumari and Dr Prachi visited Pricewaterhouse Coopers Private Limited (PwC), Gurgaon on 22 January 2016 to meet Mr Puneet Dahiya, Associate Director, Cyber Security. The meeting was held to look into industry and academia collaborative synergy opportunities. During the visit, latest research problems and possibilities of training and placement in Cyber Security for BTech and MTech students were explored.
- Ms Hitesh Yadav and Mr Gaurav Aggarwal visited Caparo Maruti Pvt Ltd along with 13 students of 6th

semester on 10 February 2016 where they gained insights about the functioning of the firm in terms of IT sector.

- Dr Latika Singh, Mr Anil Kumar Mishra and Ms Meghna Sharma visited the Hughes Systique, Gurgaon on 5 February 2016 to meet Mr Tarun Singhal, Vice-President, Engineering and Mr Amit, Head, Data Analytics. The meeting was productive as they have agreed to visit the University to explore the possibilities of collaboration, internships and placements.

Industry Institute Interaction Cell Activities

- Mr Anuj Saini, Head IT from ANNIK visited the Department on 15 December 2015 and interacted with Dr Latika Singh and IIC exploring opportunities for joint projects, placements and research in big data analytics. The interaction turned out to be very fruitful and satisfactory.
- Protinus Infotech Pvt. Ltd had conducted a session for project on their newly launched mobile wallet 'Trupay' on 9 December 2015. Three members, including co-founder of the company, Mr Narender Kumar visited the Department and floated the opportunities for the students to work on their mobile wallet to make some Android/ios application. Dr Meena

Kumari, Dr Prachi and Ms Anuradha attended the briefing session along with the 3rd year students. Five students of 3rd year have been identified for the sponsored project.

- The Department has signed MoUs with Protinus Infotech Private Limited, Gurgaon and Ingeniocity, Noida providing technical and process based solutions to different segments of industries. Under the MoUs, students will be taken as summer interns and joint projects would be undertaken.
- IIC organized stipend based Summer internships for three students in vDoIT Technologies Private Limited, Gurgaon; for four students in Protinus Infotech Private Limited, Gurgaon and for two students in Doctor Insta, Gurgaon.
- Mr Praveen Dahiya, Director Netrika made a visit to the Department on 17 December 2015 to explore opportunities for joint projects and summer internships for our students.

Alumni Interactions

- The Alumni Cell works towards a goal of strengthening the bond with CSE&IT alumni. The journey, started in 2012, has grown to a network of more than 900 alumni. The cell conducts expert talks, mentoring sessions, placement activities and internships. The Alumni Cell has been reframed and the new

members are: Jyotsna Singh (Chief Coordinator), Supriya Raheja, Shilpa Mahajan, Sonal Gahlot, Usha Batra, Sujata, Neeti Kashyap (Member Secretary), Poonam Sharma and Vijay Budakoti.

- The Alumni Cell of CSE & IT organized a mentoring session with alumni, Mr Prateek Gupta who is a Technical Analyst based at the United States. The session was held through video conferencing and was a motivator for the students who participated. The students asked questions about the various options of higher education in the USA. The students found the video conferencing useful and requested for more such sessions in the near future. [CSE2015G009]

- On 17 September 2015, a seminar on the topic 'Alternative Career Options for Engineers' was conducted by Ms Neha Singhal and Mr Saurabh Agarwal as a part of the Alumni Mentorship Programme of the Alumni Cell of Dept of CSE/IT. Ms Neha is currently heading the Delhi franchisees of Profit Shastra, a Pune based financial training firm. Mr Saurabh is the Managing Partner at NWSC, an infrastructure and real estate based consultancy firm. The seminar was attended by over 80 enthusiastic and inquisitive students who were eager to know as to various career options they have. [CSE2015G006]

- The Alumni Cell conducted a seminar on 'Basic Organizational Ethics and how to appear in an interview' by Mr Pranav Bhardwaj (2006-2010 Batch) on 13 October 2015. Mr Pranav is currently working with Genpact as a Quality Analyst. The seminar was attended by over 100 enthusiastic students of fourth year who are going to appear in interviews for placements this year. Mr Pranav talked about the current working culture and environment of the leading firms and companies in the area of analytics and other profiles. He gave tips to students to succeed in an interview from HR and technical point of view. The students came up with a lot of queries that were well

The Alumni Cell of Dept of CSE&IT organized a workshop on 'E-Commerce' on 6 November 2015. The Alumni Speaker was Mr Shubham Bansal (2008-2012 batch). The objective of this workshop was to promote entrepreneurs (especially women entrepreneurs) and learn how to start your own ecommerce business. [CSE2015W009]



answered by the speaker. [CSE2015G012]

- The CSE& IT Alumni cell organized the second mentoring session by Er Kirtesh Jailia (Six Sigma Black Belt Professional) of 2008-2010 batch, for CSE 3rd year students on 6 November 2015. The session was organized to help students in making better career decisions and staying updated with latest trends in industry.

Pre-Placement Interviews

The Alumni Cell and Industry Institute Interaction Cell of the Department organized the first phase of Pre-Placement Interviews for 3rd Year Students on 30 January 2016. A total of seven alumni from various organizations like Infosys, Cadence Design Systems, Adobe, etc. conducted the interview process. The experts interviewed a total of 67 students and gave scores on essential parameters like attitude /skills and knowledge. Students were given a detailed feedback after the session.

An ice-breaking and orientation session was conducted by the Google Students' Club (GSC) on 21 September 2015. The GSA, Palash Chhabra along with the faculty champs, Ms Jyotika Pruthi and Ms Mehak Khurana welcomed the new team members of the club. The newly appointed President (alpha) of the GSC, Rishabh Nainani and Vice-President (beta), Artika Manchanda along with the core team conducted various team building activities to make students comfortable.



Society Activities

Google Students' Club

- The Google Students' Club conducted the interviews for its extended team members on 17 September 2015. The GSA, Palash Chhabra gave a brief description on the Google Students' Club activities and events. Ms Jyotika Pruthi, President (alpha) Rishabh Nainani, Vice-President (beta) Artika Manchanda and the core team conducted the interviews.
- The Club organized its first technical event of this session - 'Techxium 2016' in collaboration with DKOP Labs, Noida on 8 February 2016 on the theme of 'Code Optimization'. The speaker was Mr Manu Lauria, Chairman and Director of DKOP Labs. The event was coordinated by Ms Jyotika Pruthi, Ms Neha Sahu and Ms Rita Chikkara. [CSE2016G017]

Other Activities

- ❑ Three foreign delegates (including Dean and Deputy Dean of MBA Programme) from Anhalt University of Applied Sciences, Germany visited our campus for Foreign Exchange Programme on 8 September 2015. The meeting was attended by Prof. Ravindra Ojha, Director SOET, Dr Latika Singh, HoD CSE&IT, Ms Anuradha and Dr Manasi Khurana.
- ❑ The Department has started a value added (VA) course on Ethical Hacking for BTech (CSE&IT) 5th sem students. This initiative has been taken by the Department to provide in-depth knowledge and hands-on training to the participants to enhance their skills in the field of cyber security.
- ❑ The Department conducted a felicitation ceremony for CCNA Module 1 in which 17 students were awarded certificates by Dr Latika Singh, HOD CSE&IT for successfully completing the Module 1 of CCNA. Later, 26 students successfully completed CCNA Module 1 (Session 2) certification course that took place from 10 Sept - 15 Oct 2015 under the guidance of Ms Hitesh Yadav and Ms Shilpa Mahajan, and support from Dr Latika Singh, HOD, CSE/IT.
- ❑ CodeChef (a global programming community) Campus Chapter for our university holds a target to improve the coding skills of NCU students. Under this Chapter, CapeCoders conducted its first online coding contest, Codestorm on 15 January 2016. It was a completely Internet-based contest in which 358 codes were submitted showing students' passion towards programming. The faculty advisor for the Chapter is Ms Shilpa Mahajan.
- ❑ Mr Niraj Khalpanda, Vice-President, Annik Technology Services Pvt Ltd along with Mr Dinesh Batra, Project Head visited the Department and interacted with faculty members viz. Dr Latika Singh, Mr Anil Kr Mishra, Ms Meghna Sharma, Ms Geetika Munjal, Ms Rita Chikara, Ms Shilpa Mahajan and Mr BK Gupta, Director, SPA with a view to enter into an MoU and explore



Ms Juliana Mazza Reis, Innovation Licensing Manager, Eurofarma Laboratorios, Sao Paulo, along with her colleagues, Ms Caroline Carpe and Ms Rosa Lbapantoja visited the Department of CSE&IT on 26 February 2016 for software development collaboration. Currently they are studying MBA under International Executive MBA at MDI, Gurgaon. HoD CSE&IT, Dr Latika Singh briefed them about the international collaborations and the consultancy projects developed by CSE&IT students.

- the opportunities for internship and placement of the students.
 - ❑ Mr Sameer Suneja, Director, Logix Net solutions Pvt Ltd visited the Department along with his team for falling into the collaboration, building up of opportunities for internship and placements of students. He had a discussion with CCNA team and agreed to sign MoU as well.
 - ❑ The Department has taken initiative to tie up with IIT Bombay for FOSS training through Spoken Tutorials software project for our students. The Department has introduced FOCP and C for 2nd sem students, OOPS and DBMS for 4th sem students and Software Engineering for 6th sem students to enhance their skill and learn fundamentals. The trainings are being coordinated by Ms Mehak Khurana.
 - ❑ Dr Vijendra Singh visited Accenture Private Ltd, Gurgaon to have a discussion with Mr Vishal Kapil, Director Digital, eCommerce, Content & Ops, Accenture, Gurgaon. The meeting was held to discuss 'Digital and Digital Services- A Case study of Digital Transformation Execution' at the University.
 - ❑ Dr Vijendra Singh was appointed as a member of the reviewer board of International Conference on Soft Computing in Data Science (SCDS) 2015, at Malaysia, held on 2-3 September 2015; member of reviewer board of Science and Information Organization Computing Conference 2016 indexed by Thomson Reuters and member of reviewer board of Information Systems, Elsevier and Athens Journal of Sciences, Athens, Greece.
- He was also appointed as Editor Board Member of Journal of Next Generation Information Technology, South Korea; International Journal of Intelligent Information Processing, South Korea and International Journal of Intelligent Information Systems, USA.
- He was appointed as an editor to International Journal of Multivariate Data Analysis, International Journal of Internet of Things and Cyber-Assurance and as a reviewer to International Journal of Information and Decision Sciences, Inderscience, UK;

Faculty Activities

- ❑ Dr Latika Singh and Mr Anil K Mishra visited Annik Technologies Services Pvt Ltd, Gurgaon on 8 September 2015 to hold a meeting with Mr Anuj Saini, Head- IT, ANNIK. The meeting was held to discuss about the placements of BTech (CSE/IT) students, providing support to the existing research groups in the Department and to build a long term relationship with the firm.

and as a member of Editorial Board for the reputed journal 'Information systems', Elsevier and Journal of Next Generation Information Technology, Korea. He was also appointed as a reviewer of International Conference on Computational Techniques in Information and Communication Technologies (ICCTICT 2016) organized by Indraprastha University, Delhi from 11-13 March 2016.

Dr Singh has published a special edition entitled 'Computational Intelligence in Data Science and Big Data: Theories Applications' as Lead Editor. He was assisted by a team of editors comprising representatives from different universities of India and abroad.

He has been selected as member, International Program Committee for International Conference on Data Mining (DMIN16), USA, to be held from 25-28 July 2016.

- Dr Charan Kumari was invited for a talk on 'Software module clustering using hyper-heuristics' at 43rd CREST Open Workshop, held at University College London, UK on 26 and 27 October 2015.

Dr Kumari also reviewed a technical paper for 'Journal of Intelligent Systems'.

- Dr Usha Batra was invited as a keynote speaker at IEEE International Conference on Applied and Theoretical Computing and Communication Technology held from 29-31 October 2015.

She was also designated as the reviewer of IEEE Delhi section sponsored International Conference on Computational Techniques in Information and Communication Technology (ICCTICT-2016) held on 11-13 March 2016 at University School of Information and Communication Technology (USICT), GGSIPU, New Delhi.

- Ms Sujata attended a meet on Scaling Agile@Gurgaon at Nagarro Software on 12 October 2015 that focused on agile technology. The participants in the meet up included senior Agile software developers from various software industries, directors and representatives of various firms.

- Ms Hitesh and Ms Shilpa Mahajan attended CISCO India Networking Academy Conference 2015 held from 23-24 September 2015 at Amity University, Noida.

- Ms Hitesh Yadav successfully completed CCNA module 3 (CCNA R&S: Scaling Networks) and module 4 (CCNA R&S: Connecting Networks) Certification Course.

- Ms Shilpa Mahajan and Ms Neeti Kashyap attended CISCO Instructor Training Program on CCNA Module 1 & 2 at Amity University, Noida from 7-18 December 2015.

- Ms Mehak Khurana and Ms Ruby Yadav attended a poster session on privacy and security in online social media at IIIT Delhi on 17 November 2015, where students showcased their research projects in this particular field. [CSE2015WA014]

They also attended the 4th Security and Privacy Symposium on 12-13 Feb 2016 at IIIT Delhi and gathered information of various aspects and ongoing trends of security domain. [CSE2016WA01]

- Dr Akansha Singh chaired a session in 5th International Conference on Soft Computing for Problem Solving (SocPros 2015) organized by Saharanpur Campus of IIT Roorkee, from 18-20 December 2015.

- Mr Anil Kumar Mishra judged the District Level Science Exhibition on 9 February 2016 in Government Girl's College, Sector-14, Gurgaon.

- Ms Neha Goyal and Ms Sonal Gahlot attended the Annual Workshop for faculty of Engineering Colleges at NITTTR Chandigarh on 1 February 2016. The workshop covered various aspects like curriculum design and revision projects, research and development projects. [CSE2016WA02]

- Prof. Naveen Prakash delivered a session as one of the resource persons during pedagogy training session for the faculty of Techno India College of Technology, Kolkata, on 5-6 February 2016.

Prof. Prakash was also invited as a speaker at the International Conference on Make in India- Where are we now and where to go (ICMII 2016) at Noida International University, Greater Noida, held on 18-19 February 2016 in collaboration with CSI and VSRD journals.

Department of Mechanical Engineering

Departmental Activities

Guest Lectures

- The Department organized a guest lecture on the topic 'Stirling Engine –The Forgotten Primemover' by Dr Bhupinder S Gill, Director, Manav Rachna Innovation and Incubation Centre in Manav Rachna Educational Institutions, Faridabad, on 18 September 2015. The event was coordinated by Dr Rohit Singh Lather. [MED2015G001]
- The Department organized a guest

lecture on 'Recent Development in Mass and Force Measurement' by Dr Harish Kumar, Scientist C, CSIR–National Physical Laboratory, New Delhi on 13 October 2015. The event was coordinated by Mr Anuj Kumar Jain and Mr Deepak Monga. [MED2015G003]

- Dr Sanjay Sen Gupta, Principal Scientist- National Institute of Science Communication & Information Resources (NISCAIR), CSIR Delhi and Editor of Journal of Scientific and

Industrial Research (JSIR) was invited to deliver a guest talk on 'How to write a good scientific paper?' on 20 November 2015. The talk was organized for faculty members, research scholars and MTech students of the university. Dr Gupta talked about various research opportunities at NISCAIR during the lecture. The event was coordinated by Mr Deepak Monga and Mr Gagan Baradia, Assistant Professors, Dept. of Mechanical Engineering. [MED2015G005]

Workshops/ Seminars Organized

- ❑ The Department conducted webinars on 'Lean Manufacturing' and 'Product Design' on 26 and 29 August 2015. The webinars were conducted by Dassault Systemes R&D Centre. [MED2015WO003]
- ❑ SAE organized a seminar on 'Portable 3D scanning technology' on 28 August 2015 which was delivered by Mr Surbhit Arora, Regional Manager of North India, Creaform. A presentation was shown to the participants that depicted all the events held under SAE earlier. This was followed by a presentation by the guest speaker on the various aspects of 3D scanning. It was an enriching session for the audience. [MED2015WO004]



The Department organized a guest lecture on 'Introduction to Ansys' for 3rd year Mechanical Engineering students on 13 October 2015. The session was conducted by Mr Vineet from CETPA Infotech Private limited. The session covered introduction to design process and processes of analysing the component. The students were explained about the applications of Ansys software in designing of mechanical components, with some practical examples. The session was coordinated by Mr Anmol Bhatia (ME Dept) and Dr Sunil Hans (APS Dept). [MED2015G004]

The Department, in collaboration with Mitsubishi Electric India Ltd., organized a one-day workshop on 'Basics of PLC' on 28 August 2015 for BTech students of the University which was attended by faculty and twenty students. The workshop was conducted by Ms Ripanjeet Kaur, Sr Engineer from Mitsubishi and Mr Pradeep Rohilla, Assistant Professor NCU. The event was coordinated by [MED2015WO002]



Dr Ajay Batish conducting a workshop on DOE

The Department of Mechanical Engineering organized a workshop on 'Design of Experiments (DOE)' on 21 November 2015 which was conducted by Dr Ajay Batish, Professor-ME & Dean-International Affairs, Thapar University, Patiala.

The objective of the workshop was to introduce the methodology of DOE to the

academicians and industry practitioners. The workshop was attended by about 50 participants which included students, research scholars, faculty members and industry practitioners from companies like Bharat Gears Ltd., Faridabad, Federal Mogul Ltd., Bhiwadi, Eicher Ltd., Werard Systems Pvt. Ltd. and Alchemist. Fourteen faculty members from the

Department of Mechanical Engineering participated in the workshop.

The workshop was conducted in three sessions wherein Dr Batish explained the importance and physics of the Design of Experiments to the participants. With the help of different examples, he explained how variation reduction through DOE could help researchers and academicians in making their study more credible, scholarly and result oriented. The participants were enthused by the knowledge and energy of the speaker and actively participated in the workshop.

The workshop was coordinated by a team comprising Prof. Ravindra Ojha, Mr Lalit Upadhayay, Mr Deevesh Sharma, Dr Mathiyazhagan, Mr Deepak Monga, Mr Abhishek P Singh, Mr Sudhakara S and Ms Anita. [MED2015WO006]

- SAE-NCU organized a seminar on 'Using Solidworks flow simulation' on 1 September 2015. The seminar was delivered by Mr Sumit Kapoor from IRIS HITECH, Delhi. [MED2015WO005]
- The Department of Mechanical Engineering, in collaboration with Mitsubishi Electric India Ltd., organized a three-day workshop on 'Basic of Programming Logic Control' from 18 – 20 November 2015 for the selected teams of Mitsubishi Electric Cup, a national level automation competition. The workshop was attended by 4 teams from different institutes viz. NCU, Gurgaon; ISTC-CSIO, Chandigarh; Dayalbagh Educational Institute, Agra and GD Goenka World Institute, Gurgaon. The workshop was conducted by Mr Vijay, Sr Engineer from Mitsubishi, Mr Pradeep Rohilla and Ms Anjali Garg, Asst Professors NCU and Mr LN Joshi, Sr Lab Technician, NCU. [MED2015WO007]

Alumni Interactions

- Mr Vivek Sihag (an alumnus of 2008 batch), Associate Project Control Specialist, Fluor Daniel, Gurgaon, was invited for an interactive session with the students on the topic 'Graduates moving towards professionalism' as a part of Alumni Engagement Programme of the Department, on 5 February 2016. Mr Sihag shared his diversified experience of working with an EPC company and explained opportunities and prospects for Mechanical Engineers in the organization. He focused on the importance of right targets, passion and the chase to complete one's dreams. As an outcome of the session, Mr Sihag also agreed to mentor a group of students targeting EPC industries. The session was coordinated by Mr Anmol Bhatia, Mr Gagan Baradia and Ms Deepa Manani. [MED2016G001]
- The Department organized an interactive session on 'Prospects & Career opportunities for Mechanical Engineers in Sales & Marketing' for B Tech 2nd and 3rd year students on 11

September 2015. The session was delivered by our alumnus Mr Ritesh Sethi of 2006-2010 batch who is working as an Assistant Manager-Sales, Misumi India Pvt Ltd, Gurgaon. Mr Sethi discussed the current market scenario and conveyed his ideas about the job opportunities in his field. As an outcome of this session Mr Sethi agreed to be a mentor for the group of students who are making ATV for Baja and Supra event of SAE. The session was coordinated by the Department alumni coordinators, Mr Anmol Bhatia, Mr Gagan Baradia and Ms Renu Sharma. [MED2015G002]

- The Department of Mechanical Engineering organized an interactive session on 'Employability of Engineers' for B Tech 3rd year students on 9 October 2015 by our alumnus Mr Kapil Pruthi (1996-2000 batch), Director at Ritter Tech Limited, Gurgaon. Mr Pruthi has a vast experience as an entrepreneur. He discussed the basic qualities that make an engineer employable as per the current market and industry demands. He shared his experience in the industry and encouraged the students to work hard on their interpersonal skills for a brighter career. He suggested some of the basic qualities in an employable engineer should be imagination and innovation, sound technical knowledge (practical applications) and communication skills. The students were very enthusiastic and asked questions from the speaker, answered quite elaborately. The session was coordinated by the departmental alumni coordinators - Mr Anmol Bhatia, Mr Gagan Baradia and Ms Renu Sharma. [MED2015O007]



- Mr Pulkit Garg (2010 batch), Software Analyst, Fidelity Worldwide Investment, Gurgaon, was invited for an interactive session with the students on the topic 'Entrepreneurship: A Passion' on 4 November 2015, as a part of Alumni Engagement Programme of the Department. The session was organized by faculty coordinators Mr Anmol Bhatia, Mr Gagan Baradia and Ms Renu Sharma. [MED2015O009]

Industrial Visits

- An industrial visit to ACIL Ltd. Manesar was organized by the Department for BTech 3rd sem students on 4 November 2015. ACIL Limited is a leading manufacturer and OEM supplier of crankshaft and connecting rods to Maruti, Honda etc. During the visit, the students cleared their theoretical concepts and found the visit practically relevant. The visit was coordinated by Mr Anuj Sharma.
- Prof. Ravindra Ojha and Mr Lalit Upadhyay visited M/s Goodyear Pvt. Limited, Faridabad on 02



December 2015 to meet Mr Paresh Mishra, HR-Head, Faridabad Plant to find out possibilities for future engagements with the company.

They also visited M/s Bharat Gears Ltd., Faridabad to evaluate the progress of projects by BTech students.

- Mr Ashwini Sharma visited Divya Tools Corporation, Jalandhar for potential tie-ups in terms of students training after 2nd year.

Other Activities

- A team from M/s Bharat Gears Limited comprising Mr Sandeep Bathla, Operations Head, BGL; Mr Rakesh, Maintenance Manager, BGL; and Mr Ashok, Manager-Engineering, BGL evaluated the BTech projects of three final year students on 19 September 2015 who are doing their BTech projects at BGL, Faridabad. [MED2015O004]
- The Department has installed a 3D printer (Ultimaker2) in its CAD Lab. The development team has designed and printed some products and is in the process of making this a central facility at NCU, under the coordination of Mr Deevesh Sharma. [MED2015O008]



- The Department of Mechanical Engineering has extended its support towards the Department of CSE&IT by providing shape to their imaginative using 3D printing. The Department is working on an innovation project 'Portable Printer'. Using 3D printing, the first concept design of the printer has been prepared and scaled down to a presentable size. [MED2015O010]
- Six experts from academia and industry visited the Department to review the syllabi and schemes of BTech and MTech Mechanical Engineering. Four meetings took place in January 2016 in this regard. Prof. R Singh, Ohio State University, USA visited NCU on 8 January 2016; Dr CR Prasad, Ex-Chairman & Managing Director of Gas Authority of India Ltd on 14 January 2016; Mr Sudam Maitra, Dy MD IFB on 21 January 2016; Prof. LM Das, IIT Delhi,

Prof. Tiwari, Ex-IITD Professor and Prof. Prem Vrat, Pro-Chancellor & Chief Mentor, NCU on 22 January 2016. The experts gave valuable comments which have been helpful aligning the syllabi and schemes according to the industry needs. [MED2016O002]

- A presentation about 'SAKSHAM 2016' was given to Brig. SK Sharma (Retd), Mr Anup Kacker, Executive Director, SAE North India Section and Mr Sumeer, MSIL on 12 February 2016. The SAE North India Section has agreed to support the event by giving permission to use the SAE NIS logo and putting SAKSHAM 2016 on SAE NIS website.

Society Activities

- SAE society conducted the 'Design Your Imagination' programme for the students. 'Design Your Imagination' is a customized programme for the students of NCU to cater to the need of the students to learn design from engineering point of view. The programme is based on project based learning approach which puts the candidate in open ended learning environment and develops their ability to solve problems. During the 3-week programme, the candidates worked on design and manufacturing projects guided by the team managers and faculty. [MED2016O003]

Faculty Activities

- Professor Ravindra Ojha, Director SOET, NCU attended the 'Research Excellence India Citation Awards 2015' conducted by Thompson Reuters on 18 September 2015. Thompson Reuters is scheduled to open an office in Gurgaon in near future and could facilitate NCU in patent writing and filing. [MED2015O003]
- Mr Lalit Upadhayay attended the 10th National Quality Conclave organized by Quality Council of India, held at Siri Fort Auditorium, New Delhi, on 7 August 2015. The theme of the

conclave was 'Creating an Ecosystem for World Class Quality in India'. [MED2015WA001]

- Mr Abhishek Pratap Singh, Mr Pradeep Rohilla, Dr K Mathiyazhagan, Mr Sameer Panda and Mr AK Jain attended an FDP on Communication Skills on 19 September 2015, organized by APS Department. [MED2015FA002]

Mr Abhishek Pratap Singh, Mr Pradeep Rohilla, Dr Rohit Singh Lather, Mr Anuj Kumar Jain, Mr Sameer Panda and Dr K Mathiyazhagan attended FDP on 'Communication Skills' on 21 November 2015 organized by CLL. [MED2015FA003]

- Mr Anuj Kumar Jain, Asst. Professor attended 12th International Conference on Vibration Problems - 2015 organized by Department of Mechanical Engineering, IIT Guwahati from 14-17 December 2015. [MED2015CA001]
- Dr Ritwik Basu attended the International Conference on Materials and Manufacturing (ICMME 2015) from 25-27 December 2015 at IUT Dhaka, Bangladesh. [MED2015CA002]
- Mr Anmol Bhatia attended a workshop on 'Awareness about Shodhganga, anti-plagiarism and research ethics' at YMCA University of Science & Technology, Faridabad on 9 February 2016. [MED2016WA001]

- Mr Ashwini Sharma delivered an expert lecture on 'Project Based Learning' at Anand college of Engineering and Management, Kapurthala, Punjab on 15 February 2016. [MED2016I001]

Mr Sharma received an international certification on 'Solidworks Mechanical Design – Professional' issued by Dassault Systemes, France on 12 January 2016. [MED2016O006]

Department of Civil and Environmental Engineering

Departmental Activities

Guest Lectures

- The Department organized a guest lecture on the importance of competitive exams for Civil Engineers by Mr Kumar Lal Babu from Central Public Works Department, on 26 August 2015. Mr Babu discussed about the exams like GATE, IES, PSU and focused on the importance of basics learnt in Civil Engineering curriculum. He guided on how to crack such competitive exams. The lecture was attended by third year Civil Engineering students and was coordinated by Ms Prachi Sohoni. [CEE2015G009]



Mr Kumar Lal Babu delivering a lecture on importance of Competitive exams

- Mr Satish Vij was invited on 14 September 2015 to deliver a special lecture on 'Current scenario and future development of railways in India' and 'Role of ASCE in shaping future of Civil Engineering'. Mr Vij has an extensive experience of about 42 years as an Indian Railways Services officer. He has also led the efforts in developing rail networks in Iraq and Italy. During the lecture, Mr Vij enthusiastically interacted with the students of the Civil & Environmental Engineering and guided them to achieve excellence in their future endeavours. [CEE2015G010]
- The Department organized a guest lecture on 'Glimpses of Civil Engineering in the Industry' by Mr Rajeev Sharma and Mr Arnab Bhattacharya on 23 September 2015. Mr Sharma is currently working as Department Manager for Civil & Structural group at Fluor, India Office and has more than 20 years of experience in the engineering, procurement and construction (EPC) industry for Indian as well as international projects. Mr Bhattacharya has more than 10 years of experience of in Oil & Gas, Metals & Minerals industry and is currently a Structural Design Engineer at Fluor India. The lecture focused on brief of EPC industry and opportunities for fresh graduates in the industry. The speakers emphasized on the importance of basic concepts in the industry that students learn in colleges. The knowledge sharing lecture was attended by the final year students of the Department of Civil & Environmental Engineering. The session was coordinated by Ms Vaishali Sahu. [CEE2015G011]
- The Department organized a guest lecture on 'Innovation in the civil aviation and infrastructure' by Mr Romy Juneja, Vice President and Chief Commercial Officer, Delhi International Airport (P) Ltd, for the 5th semester students on 23 September 2015. Mr Juneja interacted with the students on various new innovations taking place in the aviation sector. He also shared some case studies on the DIAL Project and videos on the actual construction of the New Delhi International Airport Project. He discussed the future scope of internships and placement for the students in this sector and proposed to conduct a seminar/workshop on skill development for our students. The lecture was coordinated by Ms Purnima Bajpai. [CEE2015G012]
- Under the initiative of Mr Lokesh Choudhary, a mentoring session was organized on 6 October 2015 for the students of BTech 3rd semester. The session was taken by Mr Himanshu Gupta, Territory Technical Service Manager, UltraTech Cement Ltd., on 'Basics of Concrete: A man-made rock.' Mr Gupta discussed the features and aspects of the material concrete. The lecture was highly motivating and encouraging, followed by a healthy discussion about the scope of training and placements in the company. [CEE2015G013]
- On 13 October 2015, the Department organized an expert session by CETPA Infotech Limited for the 3rd semester students who are new to the Civil Engineering field. The session was targeted to make the students understand the importance of software, current technology in the field of Civil Engineering, and future scope of trainings and internships in CETPA and other similar organizations. The session covered a brief of Auto CADD, and STAAD Pro software. [CEE2015G014]
- On 4 November, 2015, the Department organized a guest lecture on 'Mechanized concrete and specialized concrete' by Mr Vikram Kumar, Deputy Manager, Territory Services, UltraTech Cement Pvt. Ltd. for the 3rd year BTech and MTech students. The students were made aware of various concreting techniques and different types of concrete, such as, pervious concrete, green concrete, coloured concrete, high strength concrete etc. [CEE2015G015]
- Prof. SK Kaushik, Fellow-INAE under Distinguished Professorship Scheme has been associated with NCU since June 2012. He visited the University under the DVP Scheme of INAE from 16-18 November 2015 and delivered lectures on 'Concrete – A wonder material', 'Reinforced cementitious materials' and 'Non-destructive evaluations of structures' to pre-final year students. [CEE2015G016]
- The Department organized a guest lecture on 'Importance of transportation planning and engineering' by Mr DK Goel, Sr Vice-President, Reach Promoters Pvt Ltd, Gurgaon (RPPL) and owner and Chief Executive Officer, Greenmax Infrastructure, Gurgaon, on 28 January 2016 for the 4th semester students. Mr Goel has more than 28 years of experience in the infrastructure and real estate industry, over 10 years in development of real estate projects and more than 11 years in planning and execution of infrastructure projects.

The session was very interactive where the speaker shared his professional experiences with the students. He elaborated on the practical applications of various techniques that the students are currently studying. He also plans to arrange an industrial visit for the students to the Delhi elevated road project in the near future. [CEE2016G002]

- The Department organized a guest lecture 'Quality Control of Roads' by Mr Om Prakash Sharma, Retd Chief Engineer of Indian Defence Service of Engineers for the final year students, on 11 February 2016. Mr Sharma has been on the National Monitoring of Roads Cell since last five years.

The lecture emphasized on the quality checks that should be done while constructing roads. The session was very informative as he shared the real time challenges and problems faced at the site. Mr Sharma also discussed various physical and laboratory tests that are to be conducted during road construction. [CEE2016G003]

Workshops/ Seminars Organized

- The Department organized a series of the Primavera workshops on every Thursday for a duration of 6 weeks. The workshop which commenced from 10 September 2015, aimed at providing a certified training to the students of BTech final year and MTech students. It provided a working knowledge of the Project Management software which is a 'must know' before they step into the industry.
- The Department of Civil & Environmental Engineering organized a workshop on the structural design software E-tab conducted by CADD Centre, Dwarka, Delhi on 28 January 2016 for the 3rd year students. The workshop highlighted the process of designing and analysis through the software and also provided the students a comparison between Staad Pro software and E-tab software. It also highlighted the various applications of the software in the industry and its need in the technical field. The trainers from CADD Centre also discussed in detail the other software being used in the

The Department organized a guest session on 'Career Opportunities in the Built-Environment' by Ms Monalisa Mallick, Deputy Head, Partnership, RICS School of Built Environment on 19 January 2016. Prior to joining RICS, Ms Monalisa had worked with WLC College India as General Manager – Marketing and is known for developing and exploring potential business avenues to penetrate new accounts & expand existing clientele.

The session was especially organized for the final year students to make them understand the various career opportunities in the Built Environment. The session was motivating as Ms Monalisa inspired the students with her vivid talk based on her experience. The students also showed interest in the programmes offered by RICS School. The session ended with an interactive question and answer round wherein Ms Monalisa answered to the queries of the students.



industry in areas like project management and transportation. [CEE2016WO001]

- ASCE-Student Chapter of the Department Organized IBCC Workshop-cum-championship on Bridge Design from 7-8 October 2015. The workshop was conducted by ARK Technosolutions, official partners of India's longest Civil Championship hosted by CEA Fest 2016, IIT Madras. The workshop aimed at training students and improving their skills in the area of Bridge Design. During the workshop, the students prepared bridge models which were tested for efficiency and the winners were given certificates and memento. The winners will later participate in Civil Championship at IIT Madras during CEA Fest 2016. [CEE2015WO013]

Research Seminar

The Department organized a research seminar on 'Recycled Aggregate Concrete' by Mr Sameer Gaur, PhD research scholar on 18 November 2015 in which Mr Gaur delivered a talk on the subject. [CEE2015WO014]

Faculty Seminar

Dr Amit Srivastava, Associate Professor & Officiating Head of Dept., delivered a lecture on 'System reliability analysis of granular filters for protection against piping in dams' under the Faculty Seminar series of the Department. The seminar covered the important aspects of piping failures in earth dams and provision of granular filters, role of uncertainty in the geotechnical properties and risk based assessment approach.

Alumni Interactions

- Our alumni, Mr Harsh Bansal (2012 batch) and Ms Avni Sabhani (2013 batch) working in Chicago Bridge & Iron Pvt. Ltd. as Civil & Structural Engineers, interacted with Civil Engineering students on 16 September 2015 to guide them about importance of software learning and its perspective in private sector. The guest speakers discussed the criterion for getting into CB&I and guided students about preparation for technical rounds. The students were also informed about the type of projects they might be working on.

- Mr Gurpreet Singh (2007-2011 batch), Senior Engineer (Operations) from L&T interacted with students on 12 October 2015 to guide them about in Operations and its importance in industry. He discussed that experience and higher qualifications are equally necessary to achieve the targeted milestones. Students were enthusiastic about learning from his experience in L&T. The procedure one has to follow to get into L&T for internships at L&T was also discussed.
- Mr Raghu Raj (2008-2012 batch), working as Structural Consultant in Baker Risk Consultants, Houston, US interacted with students of Civil Engineering on 14 January 2016 to guide them about doing MS in Civil Engineering in the USA. He shared his experiences at Chicago Bridge & Iron (Oil & Gas Company) and Baker Risk Consultants who providing solutions to Manage Catastrophic Risks, the two prestigious companies he has been associated with. Students were highly enthusiastic about knowing how risks are managed while demolishing a particular structure and how the blasts are conducted. [CEE2016O001]
- Mr Dhruv Sood, ME (Structures), BITS Hyderabad (2013 batch) took time out and interacted with students to guide them on scope of research in the avenue of Civil Engineering. He discussed his experiences with Trivium Education Services and Chegg Operations, the company he was associated with which deals with solving queries of Civil Engineering students across the world and aiding them with concepts which help them in their research. Students were highly enthusiastic about knowing about current areas in engineering where research can be carried out. [CEE2016O003]

Space Day

The Department organized its technical fest, Space Day on 22 September 2015 which was inaugurated by Pro-Chancellor, Prof. Prem Vrat; Pro Vice-Chancellor, Brig SK Sharma (Retd); Registrar, Col Bikram Mohanty (Retd); Director SOET, Prof. Ravindra Ojha, and HOD Civil & Environmental Engineering. The ceremony started with an inspirational talk by

Prof. Prem Vrat followed by a talk given by Brig SK Sharma. The day had various technical events namely, brick laying workshop for the first and second year students, quizzup extravaganza, Straw Scappers, Plan It Up and much more which saw participation from all the three Schools of the University. The students participated in teams and came up with excellent innovative plans and designs. Prof. Pramila Goyal, Prof of Eminence distributed the certificates and prizes to the winners of the events. [CEE2015O001]

Faculty Development Programme

On 20-21 November 2015, the Department conducted a two day proficiency training (PT) for four faculty members and two lab engineers on 'Fundamentals of cement technology and mechanical testing of cements as per Indian standards', 'Testing of aggregates as per Indian standards and their significance' and 'Fundamentals and estimation of measurement uncertainty in testing' with practical examples. The training was conducted by Mr SC Huria (Ex-GM, NCB Ballabgarh), Laboratory Quality Management System Advisor, NABL Lead Assessor/ Technical Assessor for Calibration & Testing Laboratories. As the Department is in process of applying for NABL accreditation for cement, aggregate and hardened concrete, the training helped in understanding the NABL requirements for developing lab facilities and professional learning for providing satisfactory services to the customer. [CEE2015FO001]



Mock Pre-Placement Interview (PPI)

A mock session of pre-placement interview for the final year students was conducted on 19 November 2015 pertaining to develop their presentation skills. A group discussion was conducted followed by a one-to-one HR interview in which students enthusiastically participated. Feedback was given to the students after the session.

SRC Meeting

Research scholars' progress evaluation meeting (SRC) of five PhD students was held on 18 December 2015. Pre-PhD seminars were conducted for three research scholars, Ms Vaishali Sahu, Ms Anju Bala and Ms Geetha Varma V. Ms Monica Rani Malhotra defended her research proposal which was approved by the SRC.

Procurement of software PLAXIS 2D

The Department has procured PLAXIS 2D software for two dimensional analysis of deformation and stability in geotechnical engineering. It was procured under project titled 'Experimental and numerical study of a single pile capacity adjacent to existing buried pipe system' sanctioned by DST (WOS-A). The training for the software was held on 22 December 2015 by RAM Caddsys Pvt. Ltd, Chennai.

Survey Camp

The Department organized a one week survey camp on the practical applications of Total Station for the third year students from 18-22 January 2016. The camp focussed on both theoretical as well as the practical applications and usage of Total Station which is the most commonly used instrument for surveying in India and abroad. The training included concepts of levelling, centering, contouring measurement of horizontal and vertical angles on the field. The students were also taught about undertaking a task, taking reference angles along with horizontal and vertical distances and converting data into Auto Cadd to generate a map.

The camp helped the students to gain practical exposure on the use of Total Station. The students created maps for different locations at the campus. [CEE2016O002]



Board of Studies Meeting

The sixth meeting of the Board of Studies, Dept of Civil & Environmental Engineering was conducted on 6 February 2016. The BoS Committee comprised Prof. Ravindra Ojha (Chairman), Prof. PK Swamee (Member, Academic expert), Dr Lakshmy Parameswaran (Member, External Expert), Mr DK Goel (Member, Expert from industry), faculty members, students and parents. During the meeting the scheme for the upcoming academic year was discussed and finalized after taking the valuable inputs from various BoS members.

Mentor- Mentee Meetings

The Department organized mentor-mentee meeting by Prof. PK Swamee on 6 February 2016. Faculty members of the Department discussed various aspects of teaching and the progress in their individual research works with the mentor. [CEE2016O004]

The Department also organized mentor-mentee meeting with Prof. SK Kaushik wherein the mentees discussed about their research, teaching and related aspects.

The mentors provided various inputs and feedback for the department and improving the work culture and research activities at individual level.

Industrial Visits

- Dr Amit Srivastava, Associate Professor & Officiating HoD along with his MTech student Mr Satpal Singh made a site visit to Gulf Tower, Gurgaon on 15 Nov 2015, as a part of academic requirement for MTech programme. At the site, soil nailing technique was employed for supporting a vertical cut of 15m depth. It was a great learning experience as Mr Singh is doing his project in soil nailing technique. The visit helped him understand the various processes involved in soil nailing. [CEE2015V007]
- ASCE Student Chapter of the Department organized an industrial trip for 40 students to Bhakra Nangal Dam on 6-7 November 2015, as a part of curriculum for students of Civil Engineering. Dr Amit Srivastava, Dr Anil Mishra, Mr Lokesh Choudhary and Mr Rohith P Poyil accompanied the tour

along with lab technicians, Mr Sanjay Sharma and Mr Rajpal Singh. The Bhakra Nangal Dam is one of the highest multi-purpose concrete gravity dam, and constructed despite several seismic and geological challenges. The visit provided students the opportunity to learn and visualize the working of the dam and to cope with different challenges in the construction of large dams. [CEE2015V008]

Society Activities

Under the banner of SPACE society, the Department organized two events in the annual technical and cultural fests, Momentum and Cerebration held from 28-30 October 2015. The first event was a technical quiz, Quizzinga in which students from all departments participated. The second event was a cricket event, Super over which was an instant hit among students and witnessed a large number of participants.

Faculty Activities

- Dr Amit Srivastava, Associate Professor & Head, Department of Civil & Environmental Engineering visited University of Warwick, Coventry, UK to attend an International Symposium on Geohazards and Geomechanics (ISGG-2015) and to present his paper on 'System reliability analysis of granular filters for protection against piping in dams'.
- On 10 December 2015, Dr Srivastava attended a one day workshop on National Institutional Ranking Framework (NIRF) organized by Eloit Innovations Pvt. Ltd. The workshop helped in understanding the new methodology for ranking of Engineering & Management Institutions of India. By NIRF, the HRD Ministry later

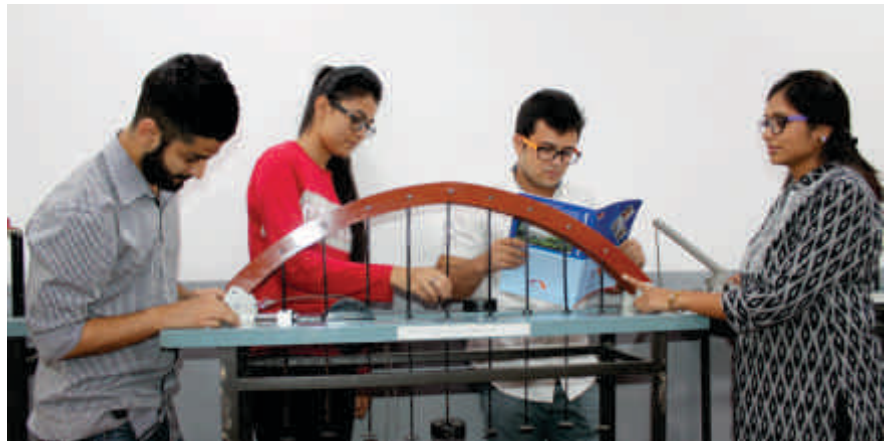
to published a rank list of all the universities, Engineering and MBA colleges in India in which NCU did very well.

He also attended a National Conference on Dam safety at IISc Bangalore and presented his work on 'Risk Analysis Methodology applied to Gujarat Dams. [CEE2016CA001]

- Prof. PK Swamee, Fellow-INAE associated with the Department under the mentor- mentee scheme, delivered a lecture via Skype in National Congress of Students of Civil Engineering, held on 2 October 2015 at Bolivia.
- Prof. Pramila Goyal was invited to take a session on 'Air Pollution in Delhi' in INSPIRE programme of Department of Science & Technology, at Hi-Tech Institute of Engineering and Technology, Ghaziabad on 12 January 2016. [CEE2016I001]
- Dr Anil Kumar Mishra delivered a lecture on 'Watershed management structures and their role in watershed', during International Conference (IESIC) 2016 on 'Natural Resource Management: Ecological Perspectives' organized by Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, from 18-20 February 2016. [CEE2016I002]

New Faculty on Board

Mr Shubham Bansal, ME in Transportation Engineering from PEC University of Technology and Mr Dhruv Sood, ME in Structural Engineering from BITS Hyderabad joined the Department as Assistant Professors. We welcome them on board.



Student Placements

The Department of Civil and Environmental Engineering congratulates the following students of the final year on their job placement:

S. No.	Name	Company
1	Vipin Rao	Insight plm Consulting
2	Abhinav Sahni	
3	Sarthak Gupta	Fenesta building systems
4	Vishesh Arora	CB&I
5	Brighu Joshi	
6	Inder Singh Chaudhary	AuthBridge Research Services Private Limited
7	Manav Sethi	M/s Proptiger Pvt Limited
8	Yash Chawla	
9	Ujjwal Prabhakar	
10	Saurabh Vashisht	
11	Abhimanyu Malik	Panacea Health Care Pvt Limited
12	Dharmender Dhanda	
13	Abhishek Atri	City Habitat Projects Pvt Ltd
14	Kumar Kislay	M/s Seafarradays Pvt Limited
15	Mr Laxman Yadav	M/s Millenium Ventures
16	Mr Keshav Gupta	M/s Arcee Contracts Pvt Ltd

Student Internships

The Department of Civil and Environmental Engineering sent the following students of the final year for paid internship with the Municipal Corporation, Gurgaon:

S. No.	Name	Area of Interest
1	Ankit Walia	Construction
2	Aviral Khandelwal	Construction
3	Dharmender	Transport (Roads)
4	Gaurav Goet	Transport (Roads)
5	Manmeet Dalal	Transport (Roads)
6	Milan Yadav	Construction
7	Rishank Gupta	Construction
8	Tarun Gupta	Construction

Department of Applied Sciences

Workshop Organized

A six-day Teacher's Enrichment Workshop (TEW) on ODE, PDE and Linear Algebra was organized at the University from 19-24 December 2015. The workshop was sponsored by National Centre of Mathematics (a joint centre of IIT Bombay and TIFR, Mumbai under National Board for Higher Mathematics (NBHM) initiative). The workshop was designed for teachers willing to expand their repertoire, sharpen their skills and discover new resources. It was a continuing education course loaded with useful information that teachers can implement in the classroom immediately. Participants from IIT Roorkee, BITS Ranchi, Chennai, Greater Noida and others attended the workshop. Experts Prof. VD Sharma, IIT Bombay; Prof. RB Bapat, ISI, New Delhi and Prof. Abhay Bhatt, Head, ISI, New Delhi



delivered lectures on Differential equations, Linear algebra and Markov process respectively. Dr Sangeet Srivastava, Dr Gaurav Gupta, Dr Sanjay Yadav and Prof. Prabha Sharma participated as tutors in the

expert talks. The workshop was coordinated by Prof. Prabha Sharma and Dr Gaurav Gupta. [APS2016WO001]

Industrial Visits

- ❑ SPIE-Student Chapter NCU organized an educational visit to Nehru Planetarium and an exhibition on Laser World of Photonics (India-2015) at Pragati Maidan, New Delhi on 11 September 2015. Around 50 students along with faculty members, Dr Sunanda Vashisth, Prof. AK Yadav and Mr Naman Joshi. The students learnt about the space search and witnessed a show on the evolution of the solar system. The students also visited the Nehru museum and learned about the history of the Indian independence movement.

The students later visited Laser World of Photonics at Pragati Maidan. They learnt various aspects and applications of lasers like laser cutting systems, welding systems, marking series, texturing equipment, engraving etc. [APS2015V005]

- ❑ An industrial visit to Andritz Hydro, Palwal was organized by the Department on 23 September, 2015 for Mechanical 2nd year & 3rd year students. Andritz Hydro is a global supplier of electromechanical systems

and services for hydropower plants and one of the leaders in the world market for hydraulic power generation.

The students visited the different sections of the company like raw material procurement section, heat treatment section & machining section. The students observed the manufacturing processes of turbines including plasma arc cutting, rolling, welding, grinding, test rig. In addition to these the rehabilitation center was also shown to the students. The students were very enthusiastic and their queries were answered by Mr Himanshu Sharma (Team member-Project Management Department).

The visit was very useful for the

students as they were able to link the theoretical concepts with the practical techniques that they studied with the production process done in the company. As an outcome of the visit, the company has agreed to provide industrial training as feasible. The visit was coordinated by Mr Anmol Bhatia (ME Dept.) & Dr Sunil Hans (APS Dept.) [APS2015V006]

- ❑ The Department organized an educational trip to National Science Centre and Smart Card Expo 2015 at Pragati Maidan, New Delhi for 46 students of BSc (H) Mathematics and BTech on 24 September 2015, accompanied by Dr Phool Singh, Prof. AK Yadav and Dr Dipti Vaya. National Science Centre is a unit of National Council of Science Museums (NCSM) and is a pioneering institute engaged in the popularisation of science among students. The students learnt how sim/smart cards are manufactured and RFID technology is used. The students visited the various galleries of the Centre, viz. 'Our Science and Technology Heritage' showing history of



Students at Andritz Hydro, Palwal

our rich heritage, 'Information revolution' depicting models of revolution in information and communication technology, 'Human Biology' showing the various features of human body, 'Pre-historic life', 'Fun Science' with interesting experiments like mirror maze, rolling balls etc., and 'Emerging technologies' focusing on revolutionary changes in science. [APS2015V007]

- An educational trip to National Physical Laboratory, New Delhi was organized for 28 students of BTech 1st and 2nd year on 30 September 2015 (NPL Open Day). The objective of the visit was to expose the students to ongoing scientific work being carried out at NPL. During the visit the students saw various scientific models related to measurement science, quantum physics, electronic materials, nanoscience & nanotechnology, energy harvesting, surface science, thin films, material characterization, atmosphere sciences etc. They also watched an audio-visual show on the various scientific activities. The visit was useful for the students as they were able to link the theoretical concepts with the



practical techniques. The visit was coordinated by Dr Pranati Purohit and Dr SK Jain. [APS2015V008]

- Dr Sunita Sharma visited Raj Industries, Rohtak on 26 September 2015. She also had hands-on experience on checking the precise designing of automobile parts. It was a good exposure to correlate the theoretical concepts of Physics with its industrial applications to increase the teaching effectiveness. [APS2015V009]
- The Department organized an industrial



visit to Institute of Telecom Technology and Management (ITTM), New Delhi on 9 November 2015, which was coordinated by Dr Bharti Arora, Dy Dean-RDIL and Dr Aditya Sharma, Assistant Professor. ITTM is a state-of-the-art training centre of MTNL Delhi engaged in imparting trainings in the field of telecom, IT, computer system and management. Mr Hari Om Arora, Manager, ITTM explained about the centre and its major role in the field of communication. Presenting on the courses and trainings offered by ITTM, Mr Jayant Choudhary, Faculty, ITTM talked about practical implementation of communication technologies particularly in fields like wireless communication, optical fibre communication, broadband etc. The students visited various labs including transmission and FTTH lab, GSM lab, IP networking lab, broadband lab etc. The ITTM faculty also discussed about 2G and 3G connectivity, its practical available speed in India and scope to increase the speed. The visit was attended by 15 BTech students from Dept of CSE, EE and ECE. The visit was useful as the students learned about working of the broadband technology for telecom purposes. [APS2015V010]

- An educational trip to Biofertilizer Production Unit at National Centre for Blue-Green Algae, Indian Agricultural Research Institute, New Delhi for BTech ECE 4th year students was coordinated by Dr Rashmi Tyagi, HoD on 21 November 2015. The trip was organized for the project work of students under the course on Environmental Studies. The students got an opportunity to observe and learn various technologies involved in the production of biofertilizers. The visit helped them enhance their

knowledge about various aspects of biofertilizers. Biofertilizers are certain microorganisms (bacteria, cyanobacteria and fungi) which enhance the availability of nutrients, like nitrogen and phosphorus, for crop plants and improve the physical properties of the soil. Unlike chemical fertilizers, biofertilizers are economical, ecofriendly and have long-term sustainability. [APS2015V011]



Society Activities

- NCU Mathemactive Society organized a quiz, 'Quest for Mathemactive Genius' on 30 September 2015. The quiz consisted of three rounds, written test, game and presentation round which tested the logical ability, accuracy and speed besides basic mathematics concepts. About 40 students from all disciplines of Engineering, Management and Science participated in the quiz. The students were excited and participated with full enthusiasm. They also showed their interest in being a part of Mathemactive Society. The event was coordinated by faculty coordinator Prof. Kalika Srivastava and student coordinators, Riya Gupta, Hari Om, Ruchi Khatri, Manisha, Neha, Jyoti and Rishabh Kalra. [APS2015O002]

The Mathemactive Society organized another event, Casino Fiesta on the occasion of the Club Fiesta held on 5



February 2016. As the name suggests, the event involved probability and random events. To accomplish this, a roulette game and a spinning wheel with fun elements were included. A total of 15 teams participated in the event. The event was coordinated by Prof. Kalika Srivastava. [APS2016O003]

- ❑ The SPIE Student Chapter at NCU organized a Quiz Contest based on laser and optics and a Poster Making Competition during Momentum 2015 on 29 October 2015. 25 students participated in the quiz while 10 students participated in the poster making competition. The topic of quiz was International Year of Light 2015. The events were organized under the activity grant of \$1300 received by NCU SPIE Student Chapter and was coordinated by Dr Sunanda Vashisth (Chapter-Faculty Advisor), Mohit Yadav, Neha Gosain and Dhruv Pratap Singh Yadav, the student officials of the Chapter. [APS2015O005]
- ❑ Enactus NCU got the KPMG Business Ethics Grant 2015 worth Rs 50,000 for their new project 'Ehsaas', based on waste management system. Enactus NCU aims at improving the current waste collection structure, making the waste collectors as sole entrepreneurs who are currently socially and economically oppressed under various contractors. Enactus NCU also aims at zero waste management by effective source level segregation with partner societies and scientific treatment of waste to prevent and avoid dumping of the waste at landfills which pollutes our environment. The project leader for Ehsaas is Ayush Gautam and faculty coordinator is Dr Dipti Vaya.
- ❑ The OSA Student Chapter of NCU organized its first ever event, 'Test your Brains' on 4 February 2016 which witnessed participation of 15 students including the core members of OSA Chapter. The students participated in teams of two, and after a series of tough

SPIE-Student Chapter of NCU organized a one-day workshop on Optics to celebrate International Year of Light (IYL-2015) on 14 October 2015. Prof Ajoy Ghatak (formerly of IIT Delhi) and Prof Kehar Singh (Distinguished Research Professor at NCU) were the distinguished speakers. They enlightened the participants on various aspects of optics such as polarisation, laser, fibre optics, holography, etc. They also spoke about some of the noble laureates in the field of optics and highlighted their contributions in providing crucial breakthroughs. The Pro Vice-Chancellor, Brig. SK Sharma (Retd) gave the opening address and emphasized the importance of optics in science and engineering and congratulated SPIE-Student Chapter of NCU for celebrating the International Year of Light (IYL-2015). The workshop was attended by over 100 students from various colleges of NCR.

In addition to the special lecture sessions, there were demonstrative sessions on holography and polarization, in which different types of holograms, polaroids, polarizing sheets etc. were demonstrated. This was followed by a quiz based on optics and its related applications in the field of science and engineering.

The event was coordinated by faculty advisor Dr Sunanda Vashisth, faculty coordinators Prof. AK Yadav, Ms Amanpreet Kaur and Mr Naman Joshi. The student coordinators were Mr Mohit Yadav (President) and Ms Neha Gosain of SPIE- Student Chapter. [APS2015O003]



rounds, team of Shailesh and Shubham Garg was declared winners. OSA Faculty in-charge, Dr Hukum Singh appreciated everyone's efforts in making the event successful.



Faculty Activities

- ❑ Dr Sanjay Yadav attended the International Congress on Industrial and Applied Mathematics (ICIAM-2015) at Beijing, China from 10 -14 August 2015. The topics of the Conference were computational fluid dynamics, numerical analysis computational science etc. The Conference provided a good platform for the networking opportunities and interactions with different eminent participants, researchers and delegates and exposure to recent innovations, ideas and developments to identify future research on Applied Mathematics. [APS2015C009]
- ❑ Dr Sunita Sharma visited the Materials Science Group of Inter-University Accelerator Centre, New Delhi on 21

September 2015 for technical discussion with Dr Fouran Singh (Scientist-F) for her research work on solar cells. She also had hands-on experience on characterization of samples using Scanning Electron Microscope (SEM) in the laboratory of Dr Ambuj Tripathi (Scientist G). [APS2015O001]

- A workshop on 'Personal hygiene and Physics around us' was conducted on 29 September 2015 by our faculty Dr Sunita Sharma, at the Ryan International School, New Delhi. She interacted with the students and staff of the School and introduced them with the latest research findings like solar cells. She also explained about the rebranding of the University and various programmes running at NCU. [APS2015O004]
- Dr Sharma participated in SPIE one day workshop on Optics to celebrate the International Year of Light on 14 October 2015 held at NCU. The lectures by the eminent scientists were inspiring and motivated the participants to think beyond imagination in the field of Optics. [APS2015WA001]
- Dr Sangeet Srivastava delivered an invited talk on 'Climate Change induced Health Risks Assessment: A Modeling Perspective' during a workshop on 'Understanding Climate and Health Associations in India', on 23 September 2015 at Hotel Royal Plaza, New Delhi. The workshop, scheduled from 22-24 September 2015, was sponsored by National Institute of Environmental Health Sciences (NIEHS), US Department of Health and Human Services and was attended by



40 participants from various institutes in India.

- Dr Srivastava was also invited as a Climate Change expert for a brainstorming session on 'Heat Health Initiative' for Heat Health Action Plan on 10 December 2015 at TARU Leading Edge Private Limited, New Delhi. The session was sponsored by Climate and Knowledge Network (CDKN), UK. The panel discussed on 'WHO guidance document applicability' to the current project proposal for India. [APS2016O002]
- Three faculty members, Dr Sangeet Srivastava, Dr Gaurav Gupta and Dr Sanjay Yadav attended 'Cynosure 2015' the annual research day organized by the Department of Mathematics, IIT Ropar on 7 November 2015. They presented the posters on their respective research topics. They were accompanied by a team of three 2nd year students of EECE who presented the poster on 'Frictionless Bearing'. The aim of the event was to motivate young students and academicians towards research in mathematics and allied areas and to provide an interactive platform to showcase the original research. The EECE students got appreciation from the expert Prof. AK Pani, IIT Bombay. [APS2016WA001]
- Dr Aditya Sharma Ghrera authored an article, 'Quantum dot monolayer for surface plasmon resonance signal enhancement and DNA hybridization detection, published in Biosensors and Bioelectronics (Elsevier) in February 2016. The journal has SCI Impact Factor of 6.409, which is the highest SCI-IF publication from NCU.
- Dr Bharti Arora was invited to be a reviewer for Nature Scientific Reports (IF 5.581) indexed by Thomson Reuters.
- Dr Gaurav Gupta, Asst Professor was invited to chair a session on 'Classification & Recognition-II' at the International Conference on Computer Vision and Image Processing (CVIP-

2016) organized by Department of Computer Science and Engineering, IIT Roorkee during 26-28 February 2016. Dr Gupta was also a member of the technical programme committee and conference publicity chair. The event was a major forum for the presentation of technological progresses and research outcomes in the area of image processing and computer vision and served as a platform for exchanges between academic and industry professionals. [APS2016CA001]

- Ms Pranati Purohit, Assistant Professor has been awarded PhD from Sambalpur University, Odisha on 14 September 2015. [APS2015H004]

Preeti Yadav, research scholar in the Department of Applied Science has defended her PhD in Physics from The NorthCap University on 11 December 2015. She was awarded the degree during NCU convocation ceremony on 21 December 2015. She pursued her PhD on the topic 'Linear and Nonlinear Optical Properties of Ternary and Quaternary Chalcogenide Thin Films' under the guidance of Dr Ambika Devi, Asst Prof., Dept of APS.

School of Management

Departmental Activities

Guest Lectures



An 'E-waste Awareness Session' was organized at the University on 7 October 2015, in association with M/s Attero Recycling Pvt Ltd, India's largest e-waste management company. The delegates

from Attero addressed the audience and elucidated what constitutes e-waste. They described that electronic waste refers to unwanted, obsolete or unusable electronic and electrical products ranging from tiny chips to

computers to music players. They explained the hazards associated with e-waste materials and enlightened the audience on correct ways for disposal of the same. Most of the e-waste is handled by the informal and unorganized sector where it is treated in unscientific ways damaging our environment and health. Attero placed some bins in the University campus for starting the e-waste collection. The awareness session by attended by the Pro-Chancellor, Prof. Prem Vrat, Director School of Engineering and Technology, Prof. Ravindra Ojha, Head School of Management, Dr Charu Shri along with several faculty members and students of the University. [SOM2015G001]

The School of Management organized a guest lecture on 'Total Quality Management' by Prof. Ranjit Sinha on 25 February 2016. Prof. Sinha has more than 40 years of rich experience with British Steels, UK and other multi-national companies as Quality Controller, Production Planning and Control Supply Chain Management, Manufacturing Director, Operations Director Sales & Marketing Director, Managing Director.

During the first session, Prof. Sinha shared his experiences with Nissan and other corporate houses. He discussed the concept of quality maintenance, quality as an important tool in business. The session was attended by students of MBA and BTech Final Year. Prof. Sinha conducted a second session on 'Business Plan' for students of MBA, BBA and



BCom (H). He discussed on how to prepare a business plan and how to present the same. It was an informative session to motivate the students to opt for entrepreneurship. Prof.

Sinha also responded to various queries raised by the students related to quality and business plan proposals. [SOM2016G001]

Workshops/ Seminars Organized

The Centre of Creativity, Innovation and Entrepreneurship conducted the first 5-day workshop on Creative Leadership and Innovations for Dean's list students. The workshop was conducted by Mr Pravin Rajpal, founder InnovatioNext from 16-22 September 2015. The objective of this workshop was to transform the students into creative leaders with innovative business projects. The workshop was coordinated by Ms Jaya Ahuja and Ms Palak Mehta.



Students participating in Workshop on Leadership and Innovation

- ❑ A 'Career Counseling and Professional Advancement Session-CPA & CMA' was organized for BCom final year students of SOM on 16 September 2015. The session was conducted by Mr Vikas Khosla, Regional Manager, North and Mr Nabeel Ahmed, Manager-Business Development Miles Professional Education-CPA & CMA Review, New Delhi.
- ❑ School of Management organized a one-day seminar on 'Our Obligations towards the Society' on 1 October 2015. The objective of the seminar was to sensitize the young minds regarding their obligations. Ms Sonia Shrivastava, CSR Head, South Asia (Intel), Mr Pravin Mallick, Environment Director, Tetra Pak India Pvt. Ltd. and Ms Mamta Saikia, Vice President, Bharti Foundation shared their organization's initiatives towards fulfilling societal responsibilities. Goonj, a leading NGO working in the area of clothing the poor, was represented by Ms Harshie who presented the contributions of the organization and its founder Mr Anshu



The School of Management organized a 5 day Capsule Course on Social Media Marketing from 12-16 October 2015. This was the first stream of capsule courses planned to guide our students in acquiring the necessary skills to implement a successful digital marketing campaign. The workshop incorporated 5 modules including orientation to digital marketing and social media, demystifying community building on Facebook and Twitter, leveraging LinkedIn and measuring ROI of social media. The workshop was conducted by Dr Ruchi Nayyar and was well appreciated by all the participants. [SOM2015O002]

Gupta (Magasay Award winner, 2015) towards the society. 120 students attended the seminar from Schools of Management and Engineering. The

seminar was coordinated by Dr Sushmita B Waraich, assisted by Dr Saumya Dixit. [SOM2015WO006]

Industrial Visits

- ❑ A team of students and faculty from School of Management and Dept of EECE visited the processing centre of Goonj NGO at Sarita Vihar, Delhi on 6 November 2015. The team comprised the participants of the one-day seminar on 'Our Obligations towards the Society' held earlier on 1 October 2015.

The visit helped the students understand the various aspects and usage of clothing material and how it can be utilized to the maximum. They



also learned about modus operandi and working of the NGO. The visit made the young students realize how they can touch lives by contributing in every small way. The students were very enthusiastic and inquisitive about funds, training of the employees and challenges faced by the NGO etc. The NGO staff encouraged them to contribute towards the social service in all possible ways. The visit was coordinated by Dr Sushmita B Waraich and accompanied by Dr Saumya Dixit. [SOM2015V001]

- ❑ An industrial visit was organized to Yakult Danone India Pvt. Ltd., Sonapat, on 20 November 2015, for the students of BBA and MBA (1st Sem). This is the only manufacturing facility of Yakult in India and is ISO 9001:2008, OHSAS 18001:2007 certified. The visit comprised a presentation about the

organization, management, joint ventures, global presence, certifications, benefits of the product, distribution and logistics etc., followed by a Q&A session. This was followed by a tour of the factory wherein the students were taken through the entire manufacturing process, packaging and bottling etc. The students learnt how the entire process is automated reducing human touch to the minimum. The visit was coordinated by Dr Sushmita Biswal Waraich and accompanied by Ms Parul Munjal. [SOM2015V002]



Other Activities

An academic economic fest 'Arthshastra 2015' was organized by School of Management on 8 October 2015, which catered to Economics and Management students from different universities and colleges across Delhi NCR. The fest gave the students an insight into the world of economics by organizing various events namely Stock Fusion, a mock stock market; Seal the Deal; Idea buzz; Abhiviyakti, a business board game and a quiz. Dr GB Singh, an independent economist and a visiting faculty member, Economics and Planning Unit, Indian Statistical Institute (ISI), Delhi Centre graced the occasion as the Chief Guest. Prof. Prem Vrat, Pro-Chancellor; Brig SK Sharma (Retd), Pro Vice-Chancellor; Dr Charu Shri, Head, School of Management; Dr DR Agarwal, Mrs Archana Mehra and over 150 students and faculty members attended the fest. Students were invited from over 100 colleges and universities. Cash prizes were given to the winners along with certificates to each participant.



- ❑ Ms Parul Munjal organized 'Masterminds - Online Test on Logical Reasoning and Data Interpretation' for final year students of all the three Schools on 7 November 2015 to facilitate the students in preparing for the competitive exams. [SOM2015O001]
- ❑ The Summer Internship presentations of BBA, BCom, BSc Eco (H) and MBA students were successfully conducted on 18 and 19 September 2015. The viva-voce of these students will be held during October 2015.
- ❑ One of the major parameters to gauge an educational institute is the final placement of students. For better preparation of its students for the placements, School of Management organized mock interviews for students on 23 and 24 January 2016. Experts from industry were invited to conduct the interviews. Students enthusiastically participated in the sessions and got feedback on their placement preparations. [SOM2016O001]

School of Management organized the Summer Internship Competition – 2015 on 6 February 2016. The participants in the competition were selected on basis of certain parameters, from their respective programmes (BBA, BCom, BSc (Eco) and MBA). Each project was evaluated by the jury members following a 10 minute presentation. The jury members comprised managers from the industry i.e. Ernst & Young, Bharti Airtel, Newgen Software and Orient Craft. Amongst very capable and fiercely competitive participants, Anjney Sangal and Divya Moudgil (both BSc Eco. Hons., 6th sem) emerged as the winners. The event was coordinated by Priya Bhargava, Vimal Dahiya and Jatin Arora (MBA 2nd Sem students). [SOM2016O004]



E-Cell Activities

The Entrepreneurship Development Cell (E-Cell) of the University organized the Entrepreneurship Fair, called EntreMela, from 27-29 January 2016. The fair comprised a number of competitive and fun events related to entrepreneurship. The Entrepreneurial Extempore was organized on 27 January 2016 in which Akshat Mathur of ECE 4th Sem was declared winner. On 28 January 2016, the Entrepreneurial PowerPoint Fight was held, which was a team event in which Vaibhav Kaushik (ME 6th Sem) and Shubhesh Tatwada (EEE 6th Sem) emerged winners. The



coordinators, with their fun events, entertained the participants while increasing their awareness regarding the entrepreneurial world. Priya Bhargava (MBA 1st Sem), Harshit Goel (CSE 4th Sem), Sunayana Pati (ECE 4th Sem), Vimal Dahiya (MBA 1st Sem) and Priyanka Khattar (ECE 4th Sem) coordinated the fair. [SOM2016O003]

Faculty Activities

□ Dr Nirupma Gupta attended a two-day Faculty Development Workshop on 'Research Paper Writing and Publications in Management' organized by MDI Gurgaon on 26-27 August 2015. It was an excellent opportunity to learn current practices being followed in publication, improve the quality of research papers written and to develop a focused approach to research by sharing the experiences with learned panel members. [SOM2015WA009]

□ Ms Tripti Sangwan attended a Seminar on 'Progress of Make in India: The way forward for scripting India's growth story' organized by the PHD Chamber of Commerce and industry at New Delhi, on 23 September 2015. The seminar was organized to throw light on the accomplishments as well as discuss the issues and challenges faced by the businesses that are to be addressed by the 'Make in India' campaign.

Ms Tripti presented a paper, 'Empirical verification of the Marshall-Lerner condition in the major Indian manufacturing industries namely

Dr DR Agarwal, Professor Emeritus was invited by GD Goenka University, Gurgaon to chair one technical session in 2nd International Case Conclave ELIXIR, held on 4 September 2015. His comments on various papers were well received by the participants. He was also invited by the said University to act as external examiner to evaluate the summer internship reports of MBA final year students on 17 September 2015.

Dr Agarwal was invited by India TV Channel on 26 October 2015 for giving his feedback as an economist on completion of one year of Haryana Government. The programme was a live telecast on national channel during which Dr Agarwal gave his valuable comments with facts and figures. [SOM2015I005]

He was invited by the Director SCERT Gurgaon on 19 November 2015 as a key resource in the training programme organized for lecturers in Economics, in which faculty from Mewat, Ambala and Rohtak, participated. He interacted with the fellow teachers on the subject of Statistics. The participants appreciated the efforts of Dr Agarwal. [SOM2015I002]

Dr Agarwal was invited as an expert panelist in the Third International Conference on Skill Development and Technological Innovations for Economic Growth (ICST-2015) held on 28 November 2015 at IMS Ghaziabad. Dr Agarwal got an appreciation letter from the Director IMS Ghaziabad, for sharing his insights during the sessions. He also presented his research paper on the theme of the conference. [SOM2015I003]



Dr DR Agarwal being felicitated at ICST 2015

- Sugar and Leather Industry (2009-2014)' in the 57th Annual Conference of Indian Society of Labour Economics (ISLE) held during 10-12 October 2015 at Central University of Kashmir, Srinagar, Kashmir. [SOM2015CA004]
- Ms Karishma visited Attero Recycling Pvt. Ltd., Noida on 1 September 2015. Attero Recycling is pioneer in e-waste recycling in India.
- Ms Parul Munjal presented a research paper, 'Islamic Banking: A Primer' co-authored by Dr P Malarvizhi and Ms Parul Munjal, for the track 'Financial Inclusion' in a two-day National Seminar on Recent Advances in Accounting, Commerce and Taxation from 16-17

September 2015, jointly organized by Institute of Chartered Accountants of India (ICAI) and Amity College of Commerce and Finance at Amity University, Noida. [SOM2015CA003]

She attended 'Academic Integrity Event: How to stop Plagiarism in an Academic Environment' at DELNET-Developing Library Network at JNU Campus, New Delhi on 16 November 2015. [SOM2015CA004]

Ms Munjal successfully completed two online courses on Coursera, i.e. Financial Markets offered by Yale University, USA with a score of 95.6% and Financial Accounting offered by

University of Pennsylvania, USA with a score of 76% [SOM2015O002]

- ❑ Ms Sunaina Sangwan published an article, 'Time Management: Fundamental Criterion of Employability' in the online magazine Wisdom Blow. [SOM2016O002]
- ❑ Mr Mohd Hussain Kunroo, Asst Professor attended the EBSCO Information Services Seminar on 7 December 2015 held at Hyatt Residency, New Delhi. The main focus of the seminar was Discovery Services, eBooks and Research Databases. [SOM2015CA005]
- ❑ Dr Sushmita Biswal Waraich was invited to attend the Innovation and Entrepreneurship Summit, 2015, organized by CII at Hotel Shangri-La,

New Delhi, on 14 December 2015. [SOM2015CA006]

Dr Waraich was invited by Mr Anshu Gupta, founder of NGO Goonj and Magsaysay award winner, for their Annual Meeting on 28 February 2016, at Sarita Vihar, Delhi. The invitees were from the corporate sector, academics and consultancy firms. It was an inspiring session showing how, at an organisational level as well as an individual level, one can contribute to the society. [SOM2016O005]

- ❑ Ms Mansi Khurana successfully defended her PhD thesis on 'Bias Reduction in shrinkage estimators using resampling methods in linear regression models'. She completed her PhD (Statistics) from Banasthali University, Rajasthan.

- ❑ A Pre-PhD seminar of Ms Irameet Kaur, Research Scholar, School of Management, was held on 14 September 2015. The topic of seminar was 'A Paradigm Shift in Education Management-Application of Emotional Intelligence and Social Media based Human Resource Practices.' Her SRC members are Dr Nirupma Gupta (Chairperson), Dr Charu Shri (Supervisor) and Dr KM Mital (Subject Expert).

- ❑ Dipanjan Goswami was awarded PhD degree during NCU Convocation Ceremony on 21 December 2015. He pursued his PhD on the topic 'Impact of Communication on Adoption of Drugs'.



School of Law

Departmental Activities

Conferences/ Workshops/ Seminars Organized

International Conference on Change in Shape of Sustainable Development



With an aim to invite research papers on sustainable issues in India and across the globe from scholars, School of Law organized an 'International Conference on Change in Shape of Sustainable Development' on 6 November 2015. Prof. Pushpesh Pant, Dean and Professor, NCU Law School delivered welcome address and

stressed on the need of effective policy to regulate sustainable development issues. While addressing the students and invitees, Prof. Prem Vrat, Pro-Chancellor stated that it is the high time for us to work on developing new technology to cater to the demands of the society with the optimum resource utilization so that we can develop sustainably to meet the

demands of future. The conference also witnessed expert talks on the subject by eminent speakers including Mr Krishnna P Lall, Director, UNIDO Centre for South Industrial Cooperation, New Delhi; Mr Raghav Srivastava, WWF, Delhi; Prof. Saligram Bhatt, Professor Emeritus, NCU. The invited dignitaries also released a trilogy of three books authored by Mrs Ritu Dhingra, Research Scholar, NCU Law School titled, Environmental Conservation (Indian Traditions), Environmental Jurisprudence (National and International), and Floral Bio-Diversity (Economic and Environmental Benefits). Students from different Law Schools presented their research papers in two parallel sessions, chaired by Prof. Saligram Bhatt, Dr Arvind P Bhanu and Dr Ritu Gupta, NCU Law School. [SOL2015CO001]

The Legal Services Society of NCU Law School, under the guidance of Dr Ritu Gupta organized a one day literacy seminar on 28 August 2015 as a part of its Legal Awareness Drive' 15 wherein students of Govt. Law School, Village Carterpuri, Gurgaon were addressed on extremely relevant subjects in today's scenario viz. 'Right to Education' and 'Domestic Violence'. In addition to giving the talks, a team of final & pre-final year students of our Law School presented a role play highlighting the atrocities faced by women today. The play concluded with a message to the young audience, to raise their voices against all evils of the society, to stand tall, to think big and to be the change you wish to see in the world. [SOL2015S006]



Legal Awareness Camp on Right to Education & Domestic Violence

Mr Pankaj, Sr Manager-North, Manupatra, accompanied by Mr Dinesh Kumar conducted a training session on accessing Manupatra Online Legal Database for Law students on 14 September 2015. Manupatra is a 15 years old online database, which contains bare acts, e-books, e-journals, international database, e-newsletters, judgements of all High Courts and Supreme Court of India. New added dimensions with user friendly approach in Manupatra were elaborated to the Law students by the team. [SOL2015S008]



Ms Sonal Singh, Sr Instructor, Global Voice, Chandigarh, conducted a demo session to offer a course on Advocacy Skills on 11 September 2015. The objective of the session was primarily to demonstrate the methodology used by Global Voice. Ms Singh covered the topic 'Assertive Behaviour' for the session, an important module for aspiring lawyers. Moreover, it also covers the aspects of communication, group discussion and team work. The proposed course curriculum is designed by the content development team of Global Voice in consultation with the senior industry professionals. [SOL2015S007]

With an aim to invite research papers on Real Estate Laws in India from students across various Law Schools, School of Law organized a National Seminar on 'Real Estate Laws: Issues vs. Policy' on 19 September 2015. Prof. Pushpesh Pant, Dean and Professor, NCU Law School delivered the welcome address and stressed on the need of effective policy to regulate Real Estate issues. While addressing the students and invitees, Prof. Prem Vrat, Pro-Chancellor, NCU stated that it is the high time for the legislature to draft an effective policy especially for low cost housing to provide affordable houses to the general public.

The list of eminent speakers at the seminar included Mr Rohit Bajaj, Head & Partner, Real Estate Team, AZB & Partners, Noida; Mr Sacchin Puri, Advocate, New Delhi; Mr Ravi Chawla, Advocate, Delhi High Court, New



Delhi; Mr Punit Bhuwania, Sr Associate, Real Estate Team, Khaitan & Co., New Delhi; and Prof. Saligram Bhatt, NCU Law School who shared their views on different aspects related to real estate laws.

Students from various Law Schools across the country presented their research papers in

three consecutive sessions which were chaired by Prof. Saligram Bhatt, Dr Arvind P Bhanu, Dr Rahul Nikam and Dr Ritu Gupta, all from NCU Law School. Certificates to the participants were also distributed. [SOL2015S009]

Symposium on Legal Education and Career in Law



With an aim to deliberate on new dimensions in career prospects in law and approaches in legal education, School of Law and Centre for Post-Graduate Legal Studies (CPGLS) organized a Symposium on 'Legal Education and Career in Law' for Law students on 27 October 2015. The event witnessed talks by eminent academicians and law professionals and was attended by a number of students from School of Law.

Prof. Pushpesh Pant, Dean, NCU Law School, while addressing the students, stressed on new innovations in imparting clinical legal education, which converts a classroom to a court room. Prof. Saligram Bhatt, Professor Emeritus, NCU Law School congratulated the law students for their proactive role towards society on environmental issues. He discussed about the international strategies across the globe in sustainable development. Moreover,

he motivated the law students to work for the environment and even possible career opportunities across the globe. Prof. Kiran Gupta, Professor-in-Charge, CLC-II, Delhi University reminded about the social obligations of a lawyer towards the society. She delivered a lecture on advocacy skills to law students. Mr Haleem Khan (IAS), Director General at the Council for Advancement of People's Action & Rural Technology (CAPART) delivered a lecture on relation of law and legal policies in Public Administration. He inspired the students to appear for public service commission and serve the nation. Prof. JL Dwivedi, (HCS) Dist. Employment Officer, Gurgaon delivered a lecture on opportunities for Law students in judicial services. He was keen on inspiring the students to excel in a legal career both, in public and corporate sector. The event was coordinated by Dr Arvind P Bhanu, Associate Professor. [SOL2015S010]

Guest Lectures



On 12 October 2015, Prof. M Afzal Wani, Dean, School of Law, GGSIP University, Delhi, delivered a lecture on 'Approaches to the study and understanding of Law'. In his lecture Prof. Wani emphasised on the needs of the students of Law to understand the right approach to study and understand law. He highlighted the importance of law students in the development of the society. Prof. Wani gave a unique approach of learning the subject to the students. He also encouraged students to learn how to develop respect for the profession.

Prof. Wani has been a member of 19th Law Commission of India. He has authored and edited several books on subjects like women and law, human rights, Islamic jurisprudence, constitutional law and industrial jurisprudence etc. He is the founder editor of Indraprastha Technology Law Journal, a specialized journal on the subject. [SOL2015G010]

- School of Law organized a special lecture in association with SI-UK Education Council on 25 January 2016. Dr Craig Paterson, Principal Lecturer at Sheffield Hallam University, UK delivered a special lecture on the topic 'Restorative justice and the role of commercial surveillance in criminal justice' to Law students. Dr Paterson's areas of expertise include police education, police reform, restorative justice, and the role of commercial surveillance in criminal justice. Prior to working in academia, Dr Paterson led audit and evaluation projects for the UK electronic offender monitoring system and has fifteen years of experience in undertaking research, consultancy and evaluation work. The lecture was focused on criminology giving details of what is criminology, why people commit crimes, what makes a person a corporate criminal.

Dr Paterson was accompanied by Dr Bruce Houlder QC, Mentor, Sheffield

Hallam University, UK who interacted with students and shared his experiences on his roles as Director of Service Prosecutions in the Service Prosecuting Authority, Chairman of the Criminal Bar Association, Vice-chair of the Professional Standards Committee and as a member of the British Council Law Advisory Committee. He currently represents Sheffield Hallam's Helena Kennedy Centre for International Justice as a mentor and visiting barrister. [SOL2016G001]



- With an aim to deliberate new dimensions and emerging trends in International Law, NCU School of Law and Centre for Post-Graduate Legal Studies (CPGLS) organized a special lecture on 'Laws of the Sea: An Overview' by Prof. (Dr) VK Ahuja, Faculty of Law, Delhi University, New Delhi, for Law students on 5 February 2016. Prof. Pushpesh Pant, Dean, NCU School of Law welcomed Prof. Ahuja to deliver this special lecture. Dr Ahuja inspired the Law students for their proactive role towards society on various international legal issues. He discussed about the international strategies across the globe in various legal issues of High Seas. Moreover, he motivated the students to understand International Law regime with relation to Domestic Laws. The students appreciated the session and learned a lot from the insights of the speaker. [SOL2016G002]



- The role of a defence lawyer in any criminal proceeding has been very crucial, be it presenting evidence, negotiating bail, managing media attention through press releases or conferences, or plea bargaining. With an objective of highlighting the role of a defence lawyer, the School of Law at NCU organized a special lecture on the 'Role of the Defence Lawyer in Criminal Proceedings' by Mr Murari Tiwari, Former Honorary Secretary & present member of the Bar Council of Delhi on 19 February 2016. Addressing the students of Law, Mr Tiwari emphasized on the importance of understanding the fundamental principles of criminal liability which form the basis of

equipping oneself with the skills of defending a criminal case. With decades of experience in the field of litigation, Mr Tiwari shared the challenges involved in the defence litigation and cited some of the landmark cases in Criminal Law where the defence lawyer played a crucial role in the administration of criminal justice. Mr Tiwari also encouraged the students to imbibe the skills of a lawyer from the inception of legal education so that the same can be applied effectively once they enter into the profession. The interaction with the students was motivational where he discussed the various avenues of the legal profession. [SOL2016G003]



National Client Consultation Competition

- With a view to encourage students to develop interviewing, planning, and analytical skills in the lawyer-client relationship in the law office, School of Law organized a National Client Consultation Competition on 30 October 2015. Premier Law schools from different parts of the country, like National Law Institute University, Bhopal; National Institute of Law, Indore; School of Law, Christ University Bangalore; and University of Petroleum and Energy Studies, Dehradun etc. participated in the competition. The competition simulated a law office consultation with students, acting as lawyers (attorneys/ solicitors/legal practitioners) and clients. The Amity Law School, Delhi emerged as the winner, whereas the School of Law, Christ University, Bangalore stood as the runner-up. [SOL2015O001]

NCU Law School Moot Court Competition (III Edition) 2015



The School of Law organized the third edition of NCU Law School Moot Court Competition on 20-21 November 2015 in which 24 teams of various law colleges from all over the country participated. The theme of the Moot Court Competition was based on the subject of Environmental Law & and Constitutional Law. Eminent law professionals and academicians including Supreme Court lawyers and corporate officers graced the event, with a few of them honouring the competition as judges.

After a strong competition among the participating teams spanning through various rounds, the final round took place between NLU, Assam and School of Law and Christ University, Bangalore. The team from Christ University emerged as the winner of the competition. Participation certificates and free registration for online courses were given to all the participants. The award of Best Memorial was given to Rajiv Gandhi National Law University, Patiala.

Another important aspect of this competition was the Live Blogging, which was available throughout the event on the website of LEXKHOJ, the social media partner of the competition. Sponsors of the competition included UCOL, LexisNexis, Legal Desire and Caption Education. [SOL2015O002]

First Parliamentary Debate



School of Law organized its 1st Asian Parliamentary Debate on 30-31 October 2015, which witnessed participation from 12 teams from all over the country. The event was judged by core adjudicators invited from reputed colleges of Delhi/NCR such as St. Stephens and LSR. The final round was held between NIRMA University, Ahmedabad and joint team of Jamia Milia Islamia and West Bengal National University of Juridical Sciences (WB NUJS), Kolkata. In a hard-fought final, NIRMA University emerged winners. [SOL2015O003]

Law Mission, UK visited School of Law



Law Mission is a part of Subject Mission that British Council organizes every year to spread knowledge amongst students. It is like an academic lecture in which academic experts from various UK Universities visit Indian universities and institutions and interact with students and faculties. In the era of world becoming one global village, it is pertinent for the students to become highly aware about the trends and practices in the industry from an international perspective.

Delegates of Law Mission visited the University on 18 January 2016 and interacted with faculty and students. The eminent speakers included Dr Charlotte Skeet, Lecturer in Law, University of Sussex; Mr John Tingle, Reader in Health

Law, Nottingham Trent University; Mr Mel Kenny, Chair of EU Law, University of Exeter; Dr Simon Seddon, Senior Lecturer in Law, University of Northampton. The distinguished delegates delivered lectures on contemporary issues which are relevant for any Law graduate. The focused areas for discussion were medical negligence, international law, international competition law and contracts law and international constitutional law. The students got a chance to interact and gain from the insights of international professors. The students were enlightened by the knowledge and issues discussed by the professors.

Inter-college Quiz Special

School of Law organized an inter-college quiz competition 'NorthCap Quiz 2K15' on 31 October 2015. 32 teams from different colleges across Delhi/NCR participated in the event. The finals were contested between 6 teams in which YMCA University of Science and Technology, Faridabad emerged winners and Amity University, Noida stood as runners-up. [SOL20150004]

Research Scholar Activity

Ms Ritu Dhingra, PhD Research Scholar, School of Law attended a Workshop on Protected Areas in China, held at Wuhan University, China from 23- 27 November 2015. She was selected and sponsored by IUCN and Wuhan University to attend the workshop.

Faculty Activities

Dr Arvind P Bhanu, Associate Professor was invited to judge the 4th Indraprastha National Moot Court Competition (4th NMCC) on 10 October 2015, organized by University School of Law and Legal Studies (USLLS), GGSIP University, New Delhi.

Dr Bhanu chaired 2nd technical session during one day National Conference on 'An audit of the 10 years of Right to Information Act 2005: Issues and challenges' organized by Modern College of Law, CCS University, Meerut on occasion of Constitution Day on 26 November 2015, held at Law College, Mohan Nagar, Ghaziabad.



Placements

School of Professional Attachment (SPA)

The NorthCap University is committed to nurture every student to ensure that our students succeed in the contemporary competitive era. The placements of our University are in full swing and have brought smiles on faces of many students. The University experienced a satisfying placement session for all the three schools of the University. TCS being one of the prominent hiring partners of the University has offered the highest record placements for 172 students. Other prestigious companies e.g. Deloitte, EY, CB&I, Sapient, Gemini Solutions have given offer letters to our students from different streams.

Placements

- ❑ Mr Sthal Samir Khushu, student of Computer Science Engineering raised the banner of NCU high with his selection in Indian Army at Officers Training Academy, Chennai.
- ❑ Newgen Software Technologies Ltd. conducted on-campus placement drive on 19 and 20 October 2015. 16 out of 75 appeared students were selected by the organization.
- ❑ Gemini Solutions visited the University on 21 October 2015 for an on-campus placement drive. Students exhibited the best of technical skills to secure the position in an organization. Two students got the offer after the final rounds.



Mr Neeraj Yadav being welcomed by Mr BK Gupta

- ❑ Nagarro Software, a rapidly growing company visited the University for an on-campus placement drive on 26 October 2015. 96 students appeared for online test and the final interviews took place on 27 October 2015.
- ❑ Fenesta Building Systems, a renowned organization held their placement drive for our core branches on 2 November 2015. Two students were offered placement after the drive.
- ❑ Fidelity, a prestigious consulting

School of Professional Attachment (SPA) invited a leading MNC, Tata Consultancy Services (TCS) on 15 October 2015 for a placement drive. The drive continued with online tests and pre-placement talk by the visitors who were impressed with the vibrant, cheerful and positive outlook of the aspiring students of the University. A total of 328 students appeared for the online test, out of which 172 students were selected after the final rounds. This has been a historic result with so many students selected on a single day. This has been the result of vigorous and constant efforts of all concerned. SPA also addressed students on 8 and 9 October 2015 well in advance to sensitize them about this important placement session.



Mr Ayan Dutta, Senior Consultant TCS during pre-placement drive

- ❑ multinational firm conducted its placement drive on 4 November 2015. One of our alumni Mr Davinder Singh is associated with Fidelity and visited the University for an on-campus placement drive. The company rolled out offers to 10 students.
- ❑ Protiviti, a consulting multinational firm conducted their placement drive for our MBA students of 2015 batch.
- ❑ Stratbeans Consulting made their on-campus placement drive in our University on 17 November 2015 for Engineering and Management students.
- ❑ EY has brought cheers for 14 of our students. All the selected students in EY were warmly received by their Human Resource officials.
- ❑ Sapient conducted a placement drive in the University on 23 November 2015 and made offers to two students.
- ❑ Copal Amba, a well-known human resource specialized firm conducted drive for MBA students.
- ❑ General Street conducted a placement drive for Management students on 10 December 2015 and offered placement to two students.
- ❑ SMS-Siemag a renowned organization based in Gurgaon conducted a session of their placement drive on 21 December 2015.

Orkash, a rapidly growing software product and service firm visited the University on 16 November 2015 for placement of freshers and gave offers to three students.



Orkash officials inaugurating campus placement drive

CB&I, a reputed organization for core branches of engineering visited the University on 11 December 2015 for on-campus placement drive and made offer to five students. CB&I was incepted 126 years ago in US and has bagged many international major projects since then.



- ❑ Honda Cars Pvt. Ltd. conducted a placement drive for our students at their premises on 21 December 2015.
- ❑ AuthBridge Research Services Private Limited, a decade old IITian startup, made their maiden visit to the University for an on-campus placement drive on 22 December 2015 and has offered placement to one student.
- ❑ SMS Group, an EPC organization conducted on-campus placement drive for final year students of Mechanical Engineering on 8 January 2016.
- ❑ Panacea Healthcare a startup based in Singapore conducted on-campus placement drive on 11 January 2016 and extended offer to one student of Civil Engineering.
- ❑ Edynamic, an Information Technology firm extended placement offers to five students of ECE during their on-campus placement drive on 21 January 2016.
- ❑ Mando Softtech India, a Gurgaon based prestigious firm has offered placement to one student of ECE.
- ❑ Tata Consultancy Services (TCS) Training Head-North Mr Rajit Sikka along with senior technical delegates visited NCU for an interaction with pre-final year students. The session was extremely informative to students.



Mr BK Gupta welcoming Human Resource delegates from ChannelPlay

SPA feels pride in sharing that there has been a significant growth this year in number of companies from diversified industry backgrounds visiting us for placements. We have been fortunate to welcome a growing organization in the sphere of retail marketing, Channelplay which is one of India's leading field marketing companies, working with different leading mobile phone, laptop, FMCG and consumer electronics brands on their retail marketing efforts. Human Resource officials from Channel Play visited the University on 14 January 2016 for a placement drive and were delighted to notice the energy level of our students. Company delegates were impressed to see their in-depth preparation and efforts. Channelplay extended placement offers to three students of Mechanical Engineering and one student of Electrical Engineering.

- ❑ Mehta & Mehta Associates, a popular law firm hired two students from School of Law in February 2016.
- ❑ AZB & Partners rolled out offers to two students in their law firm.
- ❑ Mind Merchant, a legal process outsourcing firm based in Gurgaon, offered placement of two of our Law students.
- ❑ SKC Infratech, a real estate organization, extended placement offer to one Civil Engineering student.
- ❑ Pick A Home, a start-up firm, extended offer to one of BTech (IT) student.
- ❑ S&P Capital IQ offered placement to one student of Computer Science Engineering.
- ❑ Sapient added one more student of MBA for 2016 placement batch to its earlier offer.

Sharing the vision of our Prime Minister for startup India and standup India, The NorthCap University has seen the inclination among its students to work for startups where they can get an opportunity to learn and receive an exposure to multifarious domains. Keeping this in consideration, School of Professional Attachment invited a startup firm, Globus Eight on 18 January 2016. Mr Alok Sinha, CEO of Globus Eight visited the University along with his team for a placement drive. Mr Sinha gave a different perspective to his pre-placement talk while addressing our students due to his enriched experience of more than 25 years in the Corporate world. He gave an excellent presentation beginning with an informed and very effective ice breaking session and made the students to engage very well after the initial interaction. Globus Eight has made offers to 11 students from different branches.



Mr Alok Sinha, CEO, Globus Eight inaugurating placement drive at NCU

Other Activities

School of Professional Attachment (SPA) conducted a Group Discussion (GD) competition, Soch-Vichar 2 on 28 September 2015, for students from all the three schools of the University. After the success of Soch-Vichar 1, there was great excitement and enthusiasm amongst students which was reflected by the huge participation of 186 students. The event was graced by the presence of Prof. Prem Vrat, Mr Ravinder Ojha, Dr Praveen Lohchab, and Director SPA, Mr BK Gupta. Two senior professionals, Mr Vivek Narain and Mr Rohit from a consulting firm Inception Group, Gurgaon and two alumni also came to evaluate students and address them for sharpening up their employability skills. Our alumni, Mr Pulkit Garg working with fidelity and Ms Sanjan Wadhwa from Orange also shared their views on their journey from campus to the corporate world.



Mr Vivek Narain and Mr Rohit addressing students about employability skills

- ❑ As a regular practice, SPA conducted Pre-Placement Interviews for the passing out students of MSc (Mathematics) and MTech (CS) 2016 batch. The objective of this exercise was to give students the simulated effect of real interviews.
- ❑ Mr BK Gupta, Director SPA addressed the senior students of Salwan Public School, Gurgaon on 30 December 2015 on the topic 'Career in Engineering'. The session was appreciated by the students who were enthusiastic and also curious to know about career opportunities beyond engineering.

Alumni Expression

"It's been approximately a year's time since we all completed our graduation and entered into the real corporate world. We all can't find a way to express our gratitude towards the NCU fraternity for the exposure and experience that they imbibed in us. The environs of the university campus are salubrious and the teaching-learning process has inculcated a sense of professionalism, which has helped us stand apart from the rest at our workplace. Our colleagues and seniors at office do appreciate the qualities that have been acquired by us at the University. Amidst all the efforts by departments and faculty members, SPA left no stone unturned to prepare us for the competition outside. With a continuous feedback from students they have been making efforts to make the road ahead for the coming batches, even smoother."



Students of 2015 batch placed with Fidelity

Some of our Recruiters



News from the Centre for Languages Learning (CLL)

Departmental Activities

The Centre for Languages Learning organized Faculty Development Programmes on communication skills. In the first session of FDP on 19 September 2015, Dr Payal Khurana highlighted the importance of communication skills in our professional and personal lives. The session was conducted by Ms Prerna Chauhan who touched upon the importance of communication skills in one's profession and its role in creating successful transactions at workplace. The session brought out in particular, the significance of correct language structures while speaking about a certain time frame of reference. The FDP was attended by 15 faculty members from all the three Schools of the University. [CLL2015FO01]

The second FDP was organized on 17 October 2015. The session covered the topic 'Speaking with Impact: Making an Introduction' conducted by Ms Prerna



Chauhan who explained that professional scenarios require superior communication skills on the part of an individual to leave a first-rate impression on the listener. The session highlighted that how framing an introduction for these situations using appropriate vocabulary can boost our impression before an audience. [CLL2015FO02]

enhancing soft skills such as decision-making, team-building, empathy, problem-solving, negotiation, to be able to handle interpersonal relations and most importantly, to communicate effectively.

The session began with an ice-breaking activity that attempted to develop the social skills of the participants using English as the language. The second activity required the participants to share some of the interesting information they gathered by talking to their fellow participants and what observations they made. The third activity aimed at directing participants' attention towards the importance of small talk and conversation in daily life. The participants were also asked to do a role play/simulation on selected situations. [CLL2015FO03]



The third FDP was held on 21 November 2015. The topic covered was **I n t e r p e r s o n a l** Communication Skills and was conducted by Ms Shivani Sharma. The session aimed at developing and

Club Activities

- During Club Week 2016, Club 'Success Mantra' conducted an activity on writing skills 'Blog to Express' on 4 February 2016. Three contemporary topics were given to the students and 30 minutes were given to express their views. Prizes were given to first and second winner and participation certificates to all. [CLL2016O001]
- Abhivyakt, the speech and debating club of NCU, organized an event

'Extempore' during the Club Week on 3 February 2016. The participants in the competition had to articulate their points of view for 1 minute 30 seconds, and were granted only a minute to ponder over the motion. The adjudicators managed to get some well thought out topics like dress code in colleges, laws related to defamation and more. Naman Jain, Vineet Yadav and Sahil Bansal successfully coordinated the competition. [CLL2016O002]



- A poetry recitation competition was organized by the Literary Society of the University, Samvaad on 4 February 2016 during the Club Week, under the

guidance of Dr Divyabha Vashisth. The event witnessed a warm response from the students as about twenty students from various Departments participated in the competition. Samvaad believes that poetry recitation is an effective method for students to increase their appreciation for language and cement their mastery over public speaking. The judgement



was on the basis of their performance, way of reciting, confidence level and content of the poem. Many students recited their own creations which enhanced the level of the competition. Sidharth Saxena emerged as the winner. [CLL2016O003]

- A collage making competition on the theme 'Incredible India in 2015: An Year in review' was organized by Mainstream Club on 4 February 2016. Six teams of two participants each participated in the competition. The competition aimed at raising students' awareness about India's achievements in 2015. The students captured their stream of thought in the collages which represented India's emergence towards becoming a superpower.

- The Santulan Society organized a poster making event on the theme 'Beti Bachao Beti Padhao' on 4 February 2016 in support of the national campaign to save and educate the girl child. Participants made colourful posters and wrote pertinent articles on the subject that compelled one to actively ponder over the efforts to save the girl child and contribute towards educating and empowering girls. The prize winning poster was made by Ms Garima Grewal.

News from the Library

Library Staff Activities



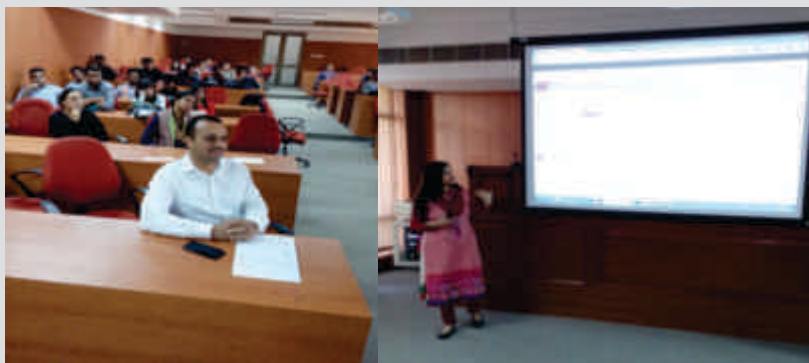
Mr Deepak Sharma, Asst Librarian attended the 11th International Conference on Webometrics, Informetrics, and Scientometrics (WIS) and the 16th COLLNET Meeting 2015, organized by COLLNET, Society for Library Professionals, SLA-Asian Chapter and IEG Delhi held from 26-28 November 2015 at Institute of Economic Growth (IEG) Delhi. The conference was attended by over 3000 participants from all over the world.

Mr Sharma also attended the National Seminar on Knowledge Management for Organizational Excellence in Present Scenario held at Moti Lal Rastogi School of Management, Lucknow, on 6 February 2016. The seminar was attended by over 200 participants from all over the country. Mr Deepak Sharma gave a keynote address on

issue of plagiarism at the Seminar. His presentation was informative and appreciated by all present in the seminar. Various contemporary issues like digital library, role of

libraries in R & D activities, patents, copyright, MOOCs, Open access resources, Plagiarism, Cloud computing were discussed during the seminar.

Training Programme on Lexis Nexis Databases



A training programme of newly subscribed law database, Lexis Nexis was organized by LIRC and NCU Law School on 19 November 2015 for giving the hands-on experience to users about the use of database. Ms Shweta, Training Manager from Lexis Nexis conducted the session which was attended by about 100 students and faculty of School of Law. She enlightened the participants about various features and usage of the database covering cases, legislation, commentary, forms & precedents, journals, dictionaries and general information of law.

Mr Deepak Sharma, Assistant Librarian, NCU informed the audience that the database is accessible through our IP ranges and can be accessed remotely through VPN.

Student Activities

- ❑ Society of Automotive Engineers of NCU has formed the SAE council. SAEINDIA is a professional engineering society whose membership represents practically every engineering and scientific discipline. Its members combine their specialized abilities to further advance the research, development, design, manufacture and utilization of vehicles which operate on land, water, air and space.
- ❑ Mohit Yadav, President SPIE student chapter, NCU and Shubham Sehgal, Student Member attended 19th International Symposium on VLSI Design and Test - VDAT 2015 at Nirma University, Ahmedabad from 26-29 June 2015. They attended the tutorial on Cadence VLSI Design tools. Both the students received a grant for their participation in the symposium by the SPIE Student Chapter at NCU.
- ❑ The E-Cell student membership was reconstituted with the new members Akshay Gera (ME), Abhishek Kumar (CSE/IT) and Priyanka (ECE) being taken in. Akshay Gera was nominated to represent the E-Cell of NCU on an invitation from IIT-Delhi's E-Cell members for a meeting, which was attended by participants from various colleges of Delhi University and GGSIP University. Mr Ankur Bhamra, President of IIT-D E-Cell offered all E-Cells to synergize in order to form a better network, more capable and resourceful system of interlinked E-Cells.
- ❑ A team of 10 students from NCU volunteered to help organize the T10 Sports Corpo Jumble 2015 – an inter-colporate running challenge. The event was organized to promote running and spreading awareness about staying fit, thereby helping the underprivileged children to showcase their talent in running.
- ❑ Abhishek Shanker (BTech-IT Final Year) was awarded a Grand Prize of a US\$ 5000 for a trip to Japan at the

A team of 25 Mechanical Engineering students was formed to participate in the SUPRA SAEINDIA National competition - an event that challenged young minds to compete as teams in designing a Formula category vehicle. The competition was to develop a vehicle consisting of various sub systems, meeting engineering specifications, timelines and above all meeting safety standards. Team building activities for SUPRA team were undertaken by SAE council on 17 August 2015 to understand the importance of team work, right strategy, presence of mind, enthusiasm etc. [MED20150005]



NCU's Theatre Society, Abhimanch participated in NIT Kurukshetra's Annual Fest which took place from 12-13 September 2015. Abhimanch's Street and Stage Play teams represented the University in the fest. The Street Play team emerged victorious under the leadership of Shashi Suman, whereas the Stage Play team secured the 3rd place under the able guidance of Ankita Meher.



Canon Photo Marathon, India, 2015 for attending the Photo Clinic in Japan. Abhishek has a keen photographer's eye which helps him express about his surroundings in a much more creative and a meticulous way.



Mitsubishi Electric Cup Automation Contest

A multi-disciplinary team comprising students of Mechanical Engineering and Electrical and Electronics Engineering participated in a national level automation competition organized by M/s Mitsubishi Electric Ltd. The NCU team, 'ELECTROTECH' secured 5th Position in the finals held at Pune on 12-13 February 2016. Team ELECTROTECH comprised four students, Sahil Saini (EEE), Karan Malhotra (EEE), Chaitanya Jhanji (ME) and Kulbhushan Gogia (ME) along with Mr Pradeep Rohilla (Dept of ME), Ms Anjali Garg (Dept of EECE) and Mr LN Joshi (technical staff). [MED2016O004]

The NCU team was earlier shortlisted in top 24 teams from among more than 100 teams from all across India in the initial rounds. [MED2015O006]



Students make NCU proud in Road Traffic Quiz



To instill awareness about traffic rules amongst youngsters, Traffic Police, Gurgaon in collaboration with Maruti Suzuki, organized the 'Gurgaon Road Safety Mega Festival 2015-16' during which several competitions were organized. The NCU team comprising Dhruv Pratap Singh Yadav, Aakriti Bansal and Rishika Deswal participated in the 'Road Safety Quiz' and bagged the first prize under category Level IV (Colleges and Above). The winning team was awarded with the Winner's Trophy, Certificates, medals and mobile tabs on 13 February 2016 in a ceremony held at Tau Devi Lal Stadium, Gurgaon. They were accompanied by Dr Hukum Singh, Dept of APS during the event.

- ❑ Suyash and Rishabh, students of ME 6th Semester are fabricating a self-designed 'Unique Cooling Jacket/Vest'. With hard work and under guidance of the faculty members, the project is at its final stage and is expected to get completed soon. The fabrication is done with the help of copper metal joints and pipes and the major components like clamps, casing, gear pump etc. The required material is uniquely designed by the students and printed on the 3D printer. No outsourcing was done for the machining or casting of the components which were designed. The facility of 3D printing has proved to be a boon for innovation in the University. [MED2016O001]
- ❑ Prince Mathews, student of 3rd year Mechanical Engineering has been selected for a summer internship in research in Materials Science under

supervision of Prof. FMB Fernandes, Department of Materials Science, Faculty of Sciences, Universidade NOVA de Lisboa, Portugal during May-July 2016. This internship is intended

towards fulfilling the academic requirements of the University and completion of his degree.



NCU's Team Google Students' Club, led by Google Student Ambassador Palash Chhabra participated in the Google Youth Connect Session held on 17 December 2015 at SRCC, New Delhi.

The event included an interactive session with Mr Sundar Pichai, CEO of Google who personally answered some questions from students across the country. The session witnessed over 3000 students representing various schools and colleges of the nation. Sushma, our student and an extended team member of NCU GSC, got the opportunity to ask a direct question from Mr Sundar Pichai. She asked about digital India to which Mr Pichai replied with a lot of interest. The clip for this can be viewed at <https://www.youtube.com/watch?v=a10cNGOuW0g&feature=youtu.be>

Team Rcubers Activities

On 13 January 2016, 3 students of the University, Siddharth Ahuja, Vineet Gupta and Palash Chhabra represented the University as Team Rcubers and had a discussion at WeChat office, Gurgaon on the ways to revamp WeChat application so that they can generate more users. WeChat marketing team wanted to get in touch with youth and get to know about the real desires of the users from internet messaging apps and also on the overall smartphone experience. It was a great session where students shared their creative ideas and interacted with the innovative marketing team of WeChat, who presented them with a letter of appreciation.

Team Rcubers kick started their pilot 'R_Jyoti' Campaign collaborating with Sri Sathya Sai Foundation, to visit a child care school for the underprivileged and needy



children, on 1 February 2016. The team went to a village alongside Gurgaon-Faridabad road, where almost 80 students of the village study for two hours daily and aspire to do something meaningful. Ensuring that the breakfast provided to these kids is extremely healthy, Rcubers team distributed boiled chickpeas along with milk, biscuits and bananas. "Energetic, excited and elated is

what I feel after meeting the kids even after getting up at 3:00 a.m.," said Vineet Gupta who visited the school with his team. R_Jyoti's aim to make an impact that matters was fulfilled by the successful visit which was appreciated and backed by many. Team Rcubers has set itself up for many similar visits in the future as well.

Educational Trip to Goa

The Edu-Recreation Club at the University organized an educational-cum-ecreational trip to Goa from 13-19 December 2015 for 118 students of the University, under supervision of Ms Jyotsna Singh.

The students visited magnificent locations of Goa like Fort Chapora, Vagator, Candolim, Coco beaches and Aguada Fort. It was a scintillating experience for the students as they enjoyed different water sports at Candolim beach. They were excited to experience the adventurous activities like jet skiing, parasailing, banana ride, and much more.



Vineet Gupta
BTech, CSE&IT,
Final Year

- TCS recently launched a Game Lab channel in campus commune and also launched a Gameathon- 'TCS Game On!' to crowd source problem statements. On Game Lab channel they have successfully collaborated with students and received many logo

designs all over the country for Gameathon. The design created by Vineet Gupta, student of BTech IT final year was selected in the final round.

Vineet was also a part of the teams which made a position among Top 50 (All India) in TCS Enginix Competition 2015 and Top 300 (All India) in TCS Testimony Competition 2015.

Vineet shares his experience, "I recommend my juniors to start being active on TCS campus commune and start participating in such competitions.

These are very helpful and interesting. These have helped me too and I finally got placed in TCS. I am thankful to SPA for making us aware about such competitions by sending regular mails and holding interacting sessions with TCS in the past."

Gender Champion Boy and Girl of NCU



To promote gender equality, guaranteed by Article 15 of the Indian Constitution, UGC advises all institutions to designate Gender Champion Boy and Girl. Gender Champions are envisaged as responsible leaders amongst students who facilitate and help an enabling environment within the University, where all the students are treated with fairness, dignity and respect without any discrimination.

Ms Swamini Chibber, School of Law and Mr Pranav Jain, Dept of CSE&IT have been nominated as Gender Champion Girl and Gender Champion Boy of NCU.

Best Project Awards at SPEED 2016



Our students participated in the Students Project Exhibition for Engineering Design (SPEED 2016) organized by GD Goenka University, Gurgaon on 19 February 2016 and performed well in different competitions. In the final round, around 300 young innovators from 33 universities/institutions from Delhi/NCR and beyond showcased over 100 projects.

A team of BTech (Mechanical Engineering) Final Year students won the Best Project Award for their project titled 'Design and Fabrication of Light Weight High Speed Sports Car'. The NCU team comprised Akshit Khosla, Dhruv Arora, Aman Taneja and Akash Khurana who worked under guidance of Dr Rohit Singh Lather, Associate Professor, Department of Mechanical Engineering. [MED2016O005]

BTech (IT) final year students, Palash Chhabra and Mansi Kamboj won the Best Project Award for a Social Cause for their project, Shikshak: A Tutor System for the Blind. Palash and Mansi developed the project under the guidance of Ms Jyotika Pruthi and Ms Mehak Khurana.

Conference Attended

- Mr Darpan Dhaiya, research scholar of Dept of Mechanical Engineering attended International Conference on Alternative Sources of Energy at BITS Mesra, Ranchi from 29-30 January 2016 and presented a paper titled 'Experimental Investigation of a Single Cylinder SI Engine Fuelled with Gasoline-Butanol Blends'. [MED2016O007]
- Vishnu Tandi, student of 4th year BBA LLB received the Best Campus Ambassador award from India National Bar Association for excellent work in the legal industry.
- Nitesh Jain of 3rd Year BBA-LLB (Hons.) won the Special Mention Award at Model United Nations (SYMUNC) organized by Symbiosis Centre for Management Studies, Noida from 6-7 October 2015.
- Ms Pusti Gupta and Mr Anil Sharma, students of LLM at NCU School of Law presented research papers in National Conference on 'An audit of ten years of Right to Information Act 2005: Issues and challenges' organized by Modern College of Law, CCS University, Meerut on the occasion of Law day on 26 November 2015. Ms Pushpi Gupta presented a paper on 'Right to Information: A boon or bane' while Mr Anil Sharma presented a paper on 'Right to Information: A critical study of Achievement of RTI Act 2005'

Moot Court Updates

- A team of three students from School of Law participated in ALSA International Moot Court Competition, 2015 held from 19-23 August 2015 at Jakarta, Indonesia. The NCU team comprising Suyash Srivastava, Sai Phanindra Kumar and Sobir Garg (all of 4th year BBA-LLB) stood at 8th position with total Memory Score of 75 of which the highest was 80.5 and Oral Score of 73.5 of which the highest was 81.5. A total of 16 teams from six different countries participated in the competition. This was the first Law students' event we have participated in a foreign country.
- It was an honour for NCU Law School when a team comprising Upinder Singh, Rohan Seth and Apoorv Bhatnagar bagged the Runners Up position at the G H Raisoni State Trial Advocacy Moot 2015 at Nagpur during 30 September-2 October 2015. The Best Advocate Prize was won by Rohan Seth.



- A team comprising Nitesh Jain, Rachit Garg and S Phanindra Kumar represented NCU Law School at the Amity International Moot 2015, Noida during 8-10 October 2015.

'Bechara Mara Gaya'



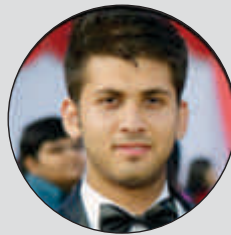
To break the monotony of hectic academic activities and also on popular demand, the Dramatics Society of the University, 'Abhimanch Theatre Society' presented a reviewed version of the popular stage play 'Bechara Mara Gaya' on 30 January 2106 at NCU auditorium. The play which has a social message was witnessed by a capacity crowd enjoying every moment of the play. The story enacted a sequence of events after a bomb blast takes place. The lead actors of the play were Akash Tyagi, Nikhil Malhotra, Rishika Deswal, Shashi Suman, Kushagra Sharma, Kartik and Amitanshu. The play was directed by Akash Tyagi and Nikhil Malhotra and production was headed by Mayank Jain.

Student Speak



- The new Online Test Management System developed by NCU developers is top-notch. The first test was conducted by SPA on 12 October 2015. Vineet Gupta, student of BTech IT final year shares his experience:

"It was a wonderful experience while giving test on OTMS. The questions were excellent and the best part is that we got our test result immediately. I am extremely grateful that NCU listened to our concerns and provided us with an effective solution."



- Pranshu Atri, student of BTech (IT) 7th Sem is an avid music lover. He shares his views on music.

"Music means the world to me. It helps me keep a positive attitude about life and makes me happy and cheerful in every situation. Music is a universal language and a reassuring way of knowing you're not alone. Music is the thing that drives one's imagination and creativity."



- A first year student, Prachi Bansal (15CSU152) shares her views about the University. She has recently joined the Google Students' Club at NCU.

"A good thing about NCU is that the crowd is good and decent. My interview for GSC was quite good. The members who took the interview were frank and friendly. Overall it was a nice experience and I hope to get good exposure being a part of this club."

Sports

The University's Inter-Department Sports Tournaments for the session 2015-16 witnessed different games including Basketball, Badminton and Lawn Tennis competitions that were held from 14-25 September 2015. Teams from all the three Schools of the University participated with full zeal and showcased their sports skills. The tournament was graced by the presence of Registrar, Col Bikram Mohanty (Retd).

The results were as follows:

Event	Boys		Girls	
	Winners	Runners up	Winners	Runners Up
Basketball	ME	SOM	EE/ECE	SOL
Badminton	SOM	MTech	SOL	ME
Lawn Tennis	ME	SOM	CSE	SOL



The Cricket tournament under University's Inter-Department Sports for the session 2015-16 was held from 17-26 November 2015. Nine teams from all the three Schools of the University participated with full zeal and showcased their sports skills. The final match was played between Dept of Mech. Engg. and Dept of ECE, in which Dept of Mech. Engg. emerged winners.



Judo Club

In order to help its students be healthy and proficient in self-defence, the University started a Judo Club on 23 November 2015. The Pro Vice-Chancellor, Brig. SK Sharma (Retd) inaugurated the Club and welcomed the students to join. The Club organizes Judo training and workshops for the students. For details on the Club and admission criteria, students can contact Ms Sunil Malik, Dept of Sports or the Club President, Ms Gurusikha Kundu (student of School of Law).

The Judo Club of the University has seen a warm welcome by the students who have come up in large numbers to enquire and register themselves in the Club. Judo classes have started on 13 January 2016 and are running successfully. The Club now has 44 registered students who are being trained.



Inter-Department Football Tournament 2016



The University's Inter-Department Football Tournament 2016 was played from 19-22 January 2016. The tournament was played between eight teams from different departments, viz. ME, ECE, Civil, EEE, CSE, IT, SOM and SOL. The participating teams showed full enthusiasm and sportsmanship and presented an excellent show. In a tough competition, the team of SOM defeated Mech. Engineering team in the Finals on 22 January 2016 with a score of 5-4.

Inter-Department Athletics Tournaments 2016

The University's Inter-Department Athletics Tournaments 2016 were played from 24-26 February 2016. Students from different departments participated in the tournaments with an interest. Vineet Khanna, Dept of CSE was declared as the Best Athlete. The results of various events were as under:



Event	Boys		Girls	
	Winner	Runner-up	Winner	Runner-up
100 mtrs Run	Vineet Khanna (CSE)	Sahil Arora (CSE)	Ishani Bangia (APS)	Nandini Gupta (CSE)
200 mtrs Run	Sharvan Rathore (SOM)	Vineet Khanna (CSE)	Shivani Roy (EE)	Geetanjali (EE)
400 mtrs Run	Vineet Khanna (CSE)	Kunal (ECE)	Shivani Roy (EE)	Varsha Yadav (EE)
800 mtrs Run	Vineet Khanna (CSE)	Sharvan Rathore (SOM)	Srishti Bhalotia (ECE)	Shivani Roy (EE)
1500 mtrs Run	Sharvan Rathore (SOM)	Shubham (ECE)		
3000 mtrs Run	Abhishek (ME)	Sharvan Rathore (SOM)		
Relay Race (100x4)	Sanjeev, Arun, Ankit, Shubham (EECE)	Rahul, Tapish, Abhishek, Pranjal (ME)		
Relay Race (200x4)				
Long Jump	Vineet Khanna (CSE)	Sahil Arora (CSE)	Pragya Sharan (SOL)	Shivani Roy (EE)
High Jump	Vineet Khanna (CSE)	Shlok Sharma (ECE)		
Javelin Throw	Anurag Lohokna (CSE)	Manish Kajle (ME)	Shivani Roy (EE)	Srishti Bhalotia (ECE)
Discus Throw	Ronik Yadav (ME)	Anurag Lohokna (CSE)	Shivani Roy (EE)	Srishti Bhalotia (ECE)
Shot Putt	Arpit (SOL)	Vibhuth (SOL)	Srishti Bhalotia (ECE)	Manisha (SOM)

Achievements in Inter-College Tournaments

Students of NCU showcase their talent and skills not only in academic field, but also in extracurricular activities, in and outside the University.

NCU Table Tennis team won the Silver Medal in the Table Tennis tournament during the Inter Collegiate Sports Festival 'Udgosh 2015' organized by IIT Kanpur from 1-4 October 2015. Competing in a league of 30 teams participating from different colleges and universities from all across the nation, the NCU team defeated the 3 times defending champions IIT Kanpur team in the Semi-Finals to compete with NIT Trichy team in the Finals. The NCU team comprised Kartavya Atri (15CSU090), Subham Jain (15CSU226), Abhishek (15CSU005) and Shivansh Dhall (14CSU192).



NCU Table Tennis Team



Table Tennis and Badminton Players

The students participated in the annual Inter-University Sports Fest Sportophia'15 organized by GD Goenka University held on 20-21 November 2015.

Mr Kartavya Atri (CSE 1st year) stood first in Table Tennis under Boys category whereas Ms Rajyashree (CSE 1st year) bagged the 3rd position in Table Tennis under Girls category. Ms Radhika Bhatia (CSE 1st year) and Mr Aditya Malik (Mech Engg) emerged as the runner up in Badminton (Girls) in Lawn Tennis (Boys) respectively. The NCU team reached the 2nd position in Football tournament.



NCU Football Team

The NCU Basketball team participated in the annual Inter-University Basketball tournament Mosaic'15 organized by IILM, Gurgaon from 25-27 November 2015. The tournament was played among 6 teams from different universities and colleges. The NCU team emerged winners in the finals by defeating the team of JIMS, Delhi with a comfortable margin of 60-25.



NCU Basketball Team

Miscellaneous

Old Age Home Visit



Members of Yukti, social service club of The NorthCap University, Gurgaon visited Tau Devi Lal Old Age Home in Sector-4, Gurgaon on 25 September 2015. The Suvidha Cell of Yukti focuses on providing basic amenities and organized the visit in order to fulfil certain basic needs of the residents of the old age home, which has 25 physically and mentally challenged women residents. The delegation was led by Mrs Jyotsna Singh, Faculty Coordinator, Yukti, accompanied by other faculty members and students. The Yukti team arranged to provide fruits, vegetables, some grocery items, toothbrushes, medicines etc.

Yukti, the social service organization of the University under which the Suvidha cell operates, has extensive experience in such activities and plans to supply items like medicines and medical kits on their next visit.

Basic Life Support Training Camp

In line with University's commitment towards 'Golden Hour First-Aid', Basic Life Support Methods, Awareness & Training Camp was conducted on 18 September 2015. The camp was organized in association with Columbia Asia Hospital, bringing specialized training at no cost to participants. More than 250 individuals, which included students, members of faculty, technical & administrative staff, attended the camp led by Dr T Nath from Columbia Asia Hospital.

The Camp that included introduction to CPR education and basic Life support methodologies, was coordinated by Dr Shilpy Wadhwa, Sr Medical Consultant. She was supported by Ms Anubha, a student of 4th year Law who motivated many students to attend the BLS camp.



University runs Cleanliness Drive



The social service club Yukti initiated a cleanliness drive in and around the University on 20 November 2015. The volunteers took one small step for the betterment of the surroundings and ran a campaign to clean the area in Sector 23 market, Gurgaon. The location was identified by Yukti volunteers due to excessive litter in this area. About 100

students and faculty of the University gathered together to participate in this mission and shared the effort to clean the area. They also sensitized the residents and others in the area about cleanliness and sanitation. The volunteers later disposed the collected garbage at municipal dustbins.

The campaign initiated by the University aims not only at cleaning up the neighbouring areas but also to spread awareness among the students as well as campus neighborhood on the need for a healthy environment. It also intends to improve the appearance of the city.

Freshers Day



On 25 September 2015, the University celebrated Freshers Day to welcome the new batch of students. Colour, laughter, music and celebrations, were all one could spot on the day. It was the most happening and memorable experience for the newly inducted students of the University.

The senior students of the University organized a scintillating show and welcomed their new companions to the University in an environment full of harmony and friendliness. Lively and entertaining cultural extravaganza comprising dance, fashion show, melody, skits and energetic choreography was at display. Rishika Deswal and Mandeep Lakra were awarded with the titles of Miss and Mr Fresher. The fresh batch put up an attractive and a stimulating fashion show by walking the ramp for the coveted Mr Charismatic and Miss Diva's titles which were won by Shubham and Saina. Dressed to the nines, the girls and boys made a spectacular show. Other awards for the new entrants included Mr and Miss Popular and Mr and Miss Well-dressed.

University Staff wins Bench Press competition

Mr Vijay Ghai, Sr Executive, Admin has secured second position in Senior Weight Class Bench Press Competition held at Gurgaon on 1 November 2015. The University congratulates him and wishes him all the best for future competitions.



University organizes Mini- Marathon

The University organized its first ever Mini Marathon on 11 October 2015, in furtherance of its commitment to Raahgiri, health consciousness amongst youth, as a part of its cultural fest- 'Momentum 2015'. The Marathon witnessed a participation of over 300 students of NCU and other colleges along with faculty and staff of the University. The sprinters ran for 3.2 KM with a social cause and message for all to remain healthy and fit. The event was organized by Yukti, the social service club of NCU which has used this opportunity by utilizing the funds raised through this event in social service and upliftment of underprivileged strata of the society. Yukti encouraged the young participants with the motto 'Run a mile, bring a smile.' The other highlight of the event illustrated the desire of the institution to express its support in women empowerment by encouraging maximum female participation.



Parvesh, Sumit and Saurabh were awarded with Gold medals while 12 other winners were awarded Silver medals. Prof. Ravindra Ojha, Director SOET was declared Best Senior Runner while Mr Gagan Baradia (Dept of Mechanical Engineering) and Ms Anjali Garg (Dept of ECE) were declared Best Male

Faculty and Best Female Faculty runner, respectively. Mr Lalit Narayan Lal came first in Admin category and Mr Anish came first in the Technical Staff category. The faculty and staff of NCU showcased their full support and cheer to the participants.

NCU team treks to 16500 Feet in Roopkund trek

Mr Gagan Baradia and Mr Deepak Monga from Dept of Mechanical Engineering along with two students, Rishabh Mendiratta and Himanshu Verma (2nd year BTech Mechanical Engineering) represented our university in trekking to '16500 Feet on Feet' in Roopkund trek.

The trip was organized by I for Nation Foundation, Noida with the objective of awareness for the Great Himalayas and social eco-tourism from 29 September to 4 October 2015. The Roopkund trek is one of the toughest treks of India which was participated by a team of 17 people from across the India who 'Dared to Trail'. It included a 60 Km round trek to the hills of Upper Himalayas with upto 60 degrees incline over undeveloped trekking paths.

The NCU team led by Mr Gagan Baradia started on 1 October 2015 from Van Gaon, the base camp at 7,500 feet and returned on 4



October 2015 after covering different milestones like Badeni Bugyal at 11,000 feet, Patal Nachaniya at 14,000 feet, Roopkund at 16,500 feet and Junal Gali at 17,000 feet. The journey brought many interesting and

memorable experiences that included the challenging but lush green trek with numerous ups and downs, night stay in the mountains in sleeping bags, temperature drop upto -60° C, deficiency of oxygen at higher elevations.

Momentum and Cerebration 2015

The NorthCap University celebrated its much awaited annual cultural and tech fests, Momentum and Cerebration 2015, powered by TWIST from 29-31 October 2015. This year, the festivals had the theme 'Where Mass Meets Velocity', with over 100 events, celebrity performances, a bouquet of professional workshops and technical events. The various offstage and onstage events enthralled the audience, which saw participation of students from over 20 colleges and institutions of Delhi NCR.

The festival started with the inauguration ceremony on 29 October 2015, celebrating the culture and tradition of India. The Pro Vice-Chancellor, Brig SK Sharma (Retd) and the Registrar, Col Bikram Mohanty (Retd) formally inaugurated the event. NCU's theatre society, Abhimanch and social service club, Yukti presented a lively show comprising dance and acting, which set the mood vibrant of all present. Students actively participated and enjoyed the different shows and games during the fest. Students also made an excellent exhibition of the technical projects which was appreciated by the viewers. The projects showcased the creativity and innovation of the engineering students.



The fashion and dance shows added glamour and allure to the event. Students from different colleges participated in the inter-college fashion show and presented a spectacular show. The liveliest part of the festival was the energetic performance by the Punjabi singer duo, Babban Rai and Jassi Gill. The audience was on its feet during the spectacular dancing and singing performance.

The festival ended with the prize distribution ceremony, rewarding the students for their skills, talent, organizing abilities and leadership. Momentum 2015 was an



enjoyable experience for the students, who participated with exuberance and enthusiasm.

Republic Day Celebrations



On 26 January 2016, the University celebrated the 67th Republic Day with pomp and show. The fog and cold weather could not dampen the patriotic fervour and enthusiasm of the faculty, staff, students and children who braved the weather to attend the function. After unfurling the National Flag, the Pro Vice-Chancellor, Brig. SK Sharma (Retd) took the salute as the Security Staff marched past the dais.

Speaking on the occasion, NCU's Pro Vice-Chancellor greeted all faculty members, staff, students and guests and appreciated their enthusiasm by coming to the University to celebrate the day. He elaborated the importance of the day and history behind choosing 26 January as the Republic Day after India gained independence. He paid homage to the great visionary leader Dr Bhimrao Ramji Ambedkar, who crafted the Indian Constitution.

He said that India's strong constitution can take the country on the right path to progress, backed by good governance. The Government's support to 'Start-up' in India has the potential to generate employment, alleviate poverty and bring prosperity to the nation. He also congratulated Prof. Pushpesh Pant, Professor & Dean, School of Law, who was honoured with the Padma Shri on the occasion of the Republic Day 2016. It is a moment of great pride for NCU as now Prof. Pant joins our gallery of elite University leaders who are recipients of the 'Padma' awards. The Pro Vice-Chancellor said that today our University is amongst the leaders in the National Capital Region and Northern India and the credit for achieving this goes to the hard work and dedication of all members of the University.

The celebrations were followed by high tea for all.

Sahaj Yoga Programme held at The NorthCap University



The University organized a Sahaj Yoga programme on 6 January 2016. The programme, 'Yoga Dhara' comprised cultural events and meditation performed by a group of 24 international artists from 7 different nations. The touring team comprised dancers and vocalists from Russia, Ukraine, England, China, Italy, Spain and Belgium. The event was a part of an all India tour by the artists from Sahaj Yoga family, to spread awareness about sahaj yoga, self-realization and meditation.

During the Yoga Dhara programme, the foreign artists presented a mesmerizing show of Kuchipudi dance, bhajans and instrumentals based on different ragas. The

artists also showed the Sahaj Yoga techniques to the students and staff of the University. The speaker of the group, Mr Swapnil explained to the audience that Sahaj Yoga is a combination of yoga, music and meditation. Yoga is a union of energy residing in our body which helps the energy flow in one direction bringing a sense of self-realization. Through yoga and meditation we can develop our inner strength. He also mentioned that the seven chakras of our body are connected to seven notes of music.

The faculty and students of the University were enthralled to be a part of such a fascinating experience which was a memorable one and the audience thoroughly enjoyed it while gaining an insight to the

techniques of meditation and yoga. The Pro Vice-Chancellor, Brig. SK Sharma (Retd) thanked the artists for the show and noted that the programme filled the audience with a new sense of energy.

A Survey on 'Happiness Quotient'

Ms Nikita Kapoor, Psychologist-cum-Counselor at NCU recently conducted a survey on Happiness Quotient of our University students. The aim of the survey was to understand the state of satisfaction and the 'happiness quotient' of our students.

Ms Kapoor conducted the survey on a sample size of 100 University students within age group of 17 to 19 years. She concluded that overall the students are a happy lot, with those staying with the family possessing higher happiness quotient in comparison to students residing in hostels or PGs. The outcome of the survey was on expected lines, but has opened the doors for getting the pulse of the students through our recently appointed psychologist-cum-counselor.

FunCU Masti with NCU Kids



On 16 January 2016, Team FunCU of the University brought to the audience a beautiful and entertaining afternoon by organizing a fun-filled programme by the kids of University faculty and staff. This time, the FunCU stage witnessed the marvelous performances by

tiny tots and kids who charmed the audience. The kids stole the hearts of all by their charming performances. Team FunCU came up with this novel idea of inviting the children of the faculty and staff where they can showcase their talent. The children feistily performed dances, songs, mimicry and recitals and were sportingly supported and encouraged by their parents and many of those present. The afternoon was filled with masti.

Young Krishang performed beautifully on the Casio, while Naavya, Yagyaa, Anushka, Shaurya, Daksh, Saksham, Aakansha, and Ranesh enthralled the audience with their dance performances. The songs by Bhavya and Shubham were immensely appreciated by the audience.

It was truly a fun-filled show and everyone enjoyed it. Team FunCU is committed to organize more such events in the coming months where the faculty and staff of the University can come together and rejoice their bonds.

Fun and Bonding at FunCU



Team FunCU organized its next event as an outdoor one on the University playground on 30 January 2016. The programme, 'Fun under the Sun' comprised races, games and team building activities which were enjoyed by one and all. The faculty and staff of the University enthusiastically participated in various activities like musical chairs, tug of war, dog and bone, lemon and spoon race, balloon race, ping pong race, eat the jelly and many more. In the pleasant weather, the participants enjoyed the events having fun. The whole experience bonded the faculty and staff well. The event concluded with high tea at the University cafeteria.

Club Fiesta 2016



Welcoming the pleasant season of Spring, the University celebrated Club Fiesta Day on 5 February 2016. It saw a culmination to the week-long activities organized by various Student Clubs of the University. The funds raised through the event will be utilized in social causes through University's social service club, Yukti. During the Club Week,

celebrated from 1-5 February 2016, different student clubs of the University organized extracurricular activities and competitions which included technical and non-technical quizzes, music and mime shows, speeches and debates, technical competitions and much more. A drawing competition was organized by Yukti for underprivileged children of the society



in which around 20 students participated. The aim of organizing this event was to make students aware of their hidden talent. The students, all in a jubilant mood turned up in large numbers in their colourful best with a smile on their faces and a swagger in their gait.

Workshop on 'Dealing with Relationships'



To equip students and faculty with interpersonal skills for navigating the complex world of relationships, a workshop was conducted by Mr Sanjeev Ailawadi, Commotion India, on the theme 'Dealing with Relationships' on 4 February 2016. Mr Ailawadi, a social worker and community leader has more than 30 years of holistic counselling experience. Around 100

participants including students and faculty of the University participated in the workshop. Through real life experiences and case studies, participants understood the association of personal, mutual and collective memories and how they affected a person's perspective and reactions. In a group activity boys and girls shared their opinions and feelings about each other. The participants

were helped to understand their own emotions, surrounding relationships and to identify key internal road-blocks for a healthy relationship. The workshop motivated the members to understand and learn practical tools to build better, stronger and enduring relationships.

The workshop was coordinated by Ms Nikita Kapoor, Psychologist and Counsellor of NCU, supported by Dr Shilpy Wadhwa and Ms Deepika Bishnoi (HR).

Blood Donation Camp



The University organized a Blood Donation Camp in the University Campus on 25 February 2016, in association with Rotary Blood Bank. The Camp was inaugurated by our Pro-Chancellor, Prof. Prem Vrat and DC Gurgaon, Mr TL Satya Prakash. There was great enthusiasm amongst the students, faculty and staff members of the University who started queuing up in large numbers to register since morning. Many of the students

were first time donors who voluntarily came forward to join hands in this noble mission. A total of 368 donors were registered by the end of the day. The donors went through a series of medical checkups before donating blood and were given refreshments, a memento and a certificate of appreciation for this service to humanity. A confidential blood test report and a Donor's card are being provided to the donors by Rotary Blood Bank who conducted

the event. The University conducts this event annually in partnership with Rotary Club, Gurgaon with the desire to spread a culture of community support and bring about dedicated services for the upliftment of society.

In Conversation with Dr MK Goel at the Blood Donation Camp

Dr Mandeep Kishore Goel, President Rotary Club Gurgaon shared his views with Ms Rekha Mathur, Sr Editor, NCU, about the overwhelming response of the faculty and students at the Blood Donation Camp. Dr Goel said that he was happy to see that NCU considers it an essential part of education to groom responsible citizens who consider it their duty to help the sick and the needy. The University encourages students to imbibe the principle of community service and think beyond themselves. He observed that as always both boys and girls voluntarily came and donated blood to help save lives in the country.

Dr Goel was appreciative of the beautiful venue of the Blood Donation Camp this time, the new air-conditioned cafeteria basement and large hygienic indoor spaces, surrounded by lush green gardens. The air-conditioning was useful for maintaining the quality of blood being donated as it prevented it from deteriorating quickly.

SPIC MACAY Programme



On 24 February 2016, the University organized a stage performance by the renowned folk artist Ustad Rehmat Khan Langa under the banner of SPIC MACAY (Society for the Promotion of Indian Classical Music and Culture Amongst Youth). Recipient of the Rajiv Gandhi Award for Excellence in Secularism, Ustad Rehmat Khan has performed widely in India and abroad and presently teaches folk music at National Bal Bhawan, New Delhi. He is associated with SPIC MACAY for more than 30 years. Ustad Rehmat Khan Langa was accompanied by his troupe members, Mr Anwar Khan, Mr Farooq Khan, Mr Ala Baksha, Md Rafique, Mr Isha Khan and Mr Shyam Lal. The

troupe presented different heart-touching and popular folk songs, bhajans and some Bollywood numbers. Ustad Rehmat Khan said that most of the movie songs have been adapted or inspired by folk songs from different regions of India. Through the performance and interaction with renowned artists, students were privileged to appreciate some of the intricacies of our folk music. The students were enthralled by the beauty of folk music. The University has hosted various cultural programmes by distinguished artists under the banner of SPIC MACAY in the last few years and promises to continue the tradition.

Teacher's Day Celebrations

BEST TEACHER AWARD

Year 2015



Dr Ambika Devi
APS



Dr Latika Singh
CSE&IT



Ms Sharda Vashisth
EECE



Ms Vaishali Sahu
CEE

Congratulations

The University celebrated Teacher's Day with great fervor to honour our teachers for their praiseworthy contribution to the society. On 4 September 2015, the faculty and staff of the University gathered together to celebrate the day. The proceedings started with Ms

Deepika Deswal, Dy Manager HR welcoming all teachers and lauding the teaching fraternity for having chosen this noble profession. The Pro-Chancellor, Prof. Prem Vrat and the Pro Vice-Chancellor, Brig SK Sharma (Retd) gave away the awards to the Star Performers of the

University who were Dr Ambika Devi, APS; Dr Latika Singh, CSE&IT; Ms Sharda Vashisth, EECE; and Ms Vaishali Sahu, CEE and praised the involvement of the University faculty towards development of the students.

The faculty members of the University also presented a skit show and a video footage screening the life at the University was also shown on this occasion. The programme concluded with high tea for all.

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Centre for Languages Learning

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School of Law

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It's Official



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Where do you think Garo, Balti, Monpa, Thangsa, Dadri or Lepcha are likely to be used? Who are the Chenchus and Murias? What would you associate Gandak and Pennar with? Do the names Zaskar, Arakan, Nathu La, Mannar, Luni and Maikala take you anywhere?

Let us then, travel this countryside together.

India is bounded by the Mustagh Ata, Aghil and Kunlun Mountains to the north of Kashmir. It has Zaskar mountains on the east side of Himachal Pradesh and Northern side of Uttarakhand. The Gulf of Mannar and the Palk Strait separate India from Sri Lanka in the South. The high altitudes limit travel only to a few passes, particularly Jeep La and Nathu La on the main Indo-Tibet trade route through the Chumbi Valley, north east of Darjeeling and Shipki La in Sutlej Valley north east of Kalpa (Kinnaur). The Mizo and Arakan Hills run North to South in The North Eastern States. Also the Peninsular Plateau is marked off from the Indo Gangetic plains by a mass of mountains prominently, Aravali, Satpura, Maikala and Ajanta. And, the Luni river runs between Jaisalmer and Jodhpur up to the northern waste. The Pennar is an agriculturally important river system in the south and the Gandak is one of the rivers that feed the Ganga. Chenchus and Murias are tribes of Orissa and Bastar region. Languages such as Balti and Dadri are used in Kashmir, Garo in Meghalaya, Monpa and Tangsa in Arunachal Pradesh and Lepcha in Sikkim. An expanse of approximately 3,200 Km north to south and nearly 3000 Km east to west. A confluence of cultures and unheard of myriad diversity.

So much for the scope.

To dwell on this geography, as citizens, is to water the roots of the largest democracy in this world. Because it is on this foundation, that rests the superstructure of a young nation. It is only in recognition of its length and breath, in

an understanding of its varied cultures, in the tolerance that we show towards its diversity do we truly allow the linguistic and cultural boundaries that demarcate our 29 states and seven union territories to fade away. The more indistinct the lines within, the stronger the fervour. To cite of living traditions, certain infantry battalions of the Indian armed forces have troops that hail from different castes and religions. They are all housed in a common location in the place of posting. However, the Mandir, Masjid, Gurdwara or Church within the battalion is located in a common area and the officers at the helm attend religious functions of all troops irrespective of their own cultural identities. The troops too participate in each others' celebrations unequivocally. It may perhaps amuse many to know that a (Sikh) Commanding Officer wishes his (Marathi) General Officer Commanding a "Merry Christmas"! The strength of our army then, lies much in a regimen that successfully dissolves these differences through discipline and rigour to establish a formidable force to reckon with. Soldiers and the officers, who lead subordinates into battle, carry this expansive length and breadth in their hearts.

Madan Lal Dhingra, Ashfaquallah Khan, Nirmal Sen, Durgawati Devi, Subramania Bharati and likewise hundreds of freedom fighters who kept the British on their feet were certainly not just fighting for freedom of their own villages. Indomitable Sardar Vallabh Bhai Patel and his right hand man, VP Menon (an accomplished civil servant) must have spearheaded multiple incisive diplomatic negotiations with the 565 big and small princely states relentlessly before independence and convinced them to join the dominion of India, without which their economies would have collapsed, or given rise to anarchy. In its own right, the events that mark this groundwork should serve as a constant reminder to all of us who cherish this freedom under this nation's mantle.

The leaders today ought to be weighed down with the onerous responsibility of preserving the ethos with which this nation was born. A true leader then is he, who thinks beyond his constituency and connects with the remaining 542. A parochial outlook that shelters religious and sectoral interests will only fester cracks in the unity of this federation and make the demarcation of differences only stronger. Whether it is reservations, budgetary

allocations, callous handling of taxpayers money, farmers' suicides, nepotism or corruption in our society, issues that disturb the harmony in any domain of our society should be handled with a ruthless accountability aimed towards retaining intact the premises of our integration.

The inhabitants look up to the state. A traffic policeman who gives a ticket freely to them who deserve it, including them who represent power and authority in society, is confident that he can continue his duties without fear. The needy gets the latest medical treatment without paying exorbitant fees and relevant educational facilities for their children. Soldiers who capture terrorists and risk their lives for them would want to see them punished. If only the lowly placed prisoners too could get as many bails and early remissions as the other high and mighty behind bars. An ordinary taxpayer is assured of resting his money with Sarkar as his share of responsibility in nation building. Those who assemble in our legislatures at the behest of this majority have the onus of taking judicious and timely decisions for only the electorate's well being.

To quote from VP Menon's *The Story of the Integration of Indian States*: 'No greater achievement can be credited to the British than that they brought about India's enduring political consolidation.' Because loss of faith in the ruling establishment smolders rebellion. It did so, against the British rule. The outlook of citizens is then dominated by sectarian issues which somehow seem within easy reach of fulfillment. It was this visible intolerance during the interim rule that led to the costly partition of the subcontinent. This is the antithesis of the rationale with which the states were conjoined under a union. To protect its fabric, educators and parents share the vital responsibility of nurturing future decision makers: citizens who are aware of the physical dimensions and cultural sensibilities of this country. Those who are equally comfortable having meals from a banana leaf or making a dash for Bihu; those who would rather inquire of our interests and ambitions and chase tenable solutions, rather than sense proximity in gotra. Citizens as such, who identify with our country: The Republic of India.

Digital India: A Roadmap for Engineers!!



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My grandparents felt telegram was a dream for them in 1940s!!

My parents felt television was a surprise for them in 1970s!!

I still feel smartphone was 'impossible' for me in 1990s!!

But today I am able to utilise the modern services like video chat or with a click of mouse allowing me to send an email feeling telegram to be an obsolete service and that too, without being surprised. Have we become so habitual of digitisation?

The pace of technology throws a challenge in our lap to call ourselves 'Digital India'. An India of e-dreams, an India where all the rural areas would be e-Governed, an India whose farmers would be using smartphones to look for the information related to pesticides, an India where 24 X 7 e-Education will make our

students learn at any point of hour, an India where a patient would be able to find the medicine to be taken in the absence of doctor all by himself.

Digital India that stands as a campaign being led by the government to make the country walk on the bits 0 and 1, can truly bring a zeal in the soul of an engineer. It holds a noble objective to write on the pages of the book that covers the life of a person living in a metro city or farther. But all the pages would be written digitally! The innovation would be to devise a strategy that makes the people in villages play with a tablet with free Wi-Fi services. Believing in the fact that every citizen of the nation is an engineer who engineers the growth and prosperity of his country, if given an opportunity, can definitely shape the future in a better mode.

Starting the journey right from changing the profile picture of Facebook into tri-colour to successful implementation of the concept, the campaign will turn out be a great opportunity builder tool for skilled and unskilled population of India. When all the reputed and big names like Apple, Qualcomm, Microsoft etc. will come forward to make an investment in India, there would be a pool of job opportunities in which around 1.5 million engineers who pass out every year can reflect their grabbing skills. So the

problem of employment being encountered by the engineers would be reduced by 70-80%, if not 100 % but good things take a while to come. The start-ups would be the major contributors for floating the job opportunities as their back would be supported by the funds thereby building the digital economy of India.

The technical knowledge has been acquired by a group of people but the challenge lies on our shoulders to spread and publicise the campaign by making rest of the people too, technology friendly. To bring forth a proper plan is the need of the hour that definitely requires the man power to support.

Various initiatives have already been taken up by companies like Engineers India Limited to integrate the day to day functionalities with the information technology thereby contributing in making Digital India a big hit.

Our honourable Prime Minister Narendra Modi has laid the vision of completing Digital India by 2019.

We are all excited to welcome India emerging as Smart India!!

A Word for Higher Education Teachers: Some Notes for Building Nation's Human Capital



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A teacher's role in shaping her students' self and careers cannot be underestimated. She is viewed as a knowledge storehouse who would create comprehensive learning experiences for her students. She is meant to be effective or more so, one is not a teacher for her designated role but for the qualities she possesses and the values she holds. Her role in instrumental in the development of a nation's human capital.

A teacher, thus would always be committed to impart and support rounded learning; make content captivating and useful; nurture students and craft their value system; demonstrate and build positive behaviours and attitude; motivate students toward continuous improvement; value the community's interest over the own; inspire students to be better and more responsible members of the society and; continually make contribution toward the society's betterment either by sharing worthy ideas and knowledge or undertaking research or extending social service, etc.

As an employee, she must diligently respond to all the stakeholders viz., students, peers, superiors and employer. In the tussle of undertaking administrative tasks, undertaking

research, furthering education, meeting deadlines, managing home and work, etc. enhancing the teaching style and answering students' expectations could be more than often neglected. Sadly, the teacher is pressed to stick to the same old content and conventional, non-experimented and static teaching methodology. Students and the tremendous potential they possess unfortunately fall prey to this. A passion to teach, a knack for learning, strong behavioural and technical competency and a balancing attitude in a teacher could resolve this vicious cycle of ineffectiveness where, inept teaching style fails to meet students' expectations providing stimuli to the much aware and demanding students for exhibiting inappropriate and negative in-class behaviours

and further demolishing the spirit of teaching and bringing down the teacher's morale to be responsive, committed or creative.

The problem truthfully is two-fold. One, the teachers need to embrace passion, ethics, knowledge, skills, talents, learning and self-sacrificing attitude and creativity and two, students today or the NextGen Students are more demanding, increasingly critical and highly observant. They demand respect and like to be heard. Freedom of thought and expression and opportunities to explore and learn by doing are highly valued by them.

It is thus time to ponder over the various strategies to inspire the Millennials as they would be contributing to the Nation's Human Capital Index. The process might require an uncomfortable shift from the existing, more comfortable and solace teaching styles and methodology to the new, more challenging and yet hugely rewarding teaching practices. The issue is where we actually start our journey from. It would be logical and more sensible to first understand the characteristics of the students and only then devise a set of strategies for inspiring them. But as mentioned earlier, the problem is twofold. By only learning the characteristics and expectations of the Millennials, the issue could not be resolved. It demands a greater commitment from the teacher's side for being truly self-aware, accepting faults and weaknesses, freeing the mind, embracing change and undertaking wholehearted effort for enriching learning experiences while freeing her mind from any kind of biases, fears, preconceptions, etc. The teacher must necessarily liberate herself from the past way of doing things and past experiences. She must realize the 'here-and-now' nature of learning and interaction and thus, accordingly be always ready to accommodate her style and expectations to the situation.

Referring to our starting point as mentioned earlier in the article, understanding the NextGen is crucial for inspiring them. After all without understanding their behaviour and assessing causes underlying them how could we possibly think of influencing them? The NextGen student is undergoing a transition phase from the traditional classroom lecture based learning to a more practical and application oriented learning. They have grown up to be individuals possessing more than adequate ICT skills and are now addicted

to their cell phones, emails, social networking sites, etc. Much of their learning involves use of computers and IT. They are maturing in an era of stiff competition and this is presenting them constant apprehensions of their careers. They have turned more critical of the education they are receiving and always evaluate the value they are getting from their degrees. An ongoing comparative evaluation between what they are giving to and receiving from their institute/college is done by them. They want to explore various options and need to be respected for their thoughts. In their eye, they have a contribution to make to each learning experience. They demand their teachers to be more competent, present industry specific and relevant content, make learning interesting, motivate and reward them, act as mentors, make fair evaluations and personalize learning. So, the NextGen are more aware and highly conscious of their expectations and treat the same as their rights; are technically more advanced; are bothered about their career; and are looking forward to learn and develop. Many of them are looking forward to a nurturing relationship with their teachers. While a significant proportion of them are unclear about their competencies, the others are very much aware of their strengths.

The other side of the coin, i.e., the teachers must necessarily undertake an attitudinal shift before adopting any strategies for influencing the NextGen. To manage and inspire the heterogeneous NextGen, a teacher must first be self-inspired and dedicated. She must demonstrate an unwavering commitment to creatively approaching a subject, trying out new methods and treating students as partners in the process of knowledge creation. Most importantly, she must focus on making students employable and ensuring that they are ready to take up challenging assignments and hence, prove to be assets of the country.

Apart from this, she could rely on the following set of principles for inspiring the NextGen:

1. **Provide relevant and research & activity based learning to students:** For instance, asking students to write job descriptions for some jobs, making them conduct a market survey or asking them to analyse a company's financial reports.
2. **Identify and develop new and creative ways of teaching a particular topic:** You could combine old ways to form new ones. For instance, inspite of a regular role play, ask the students to make videos and show them in the class
3. **Reward excellence in class:** No strategy or motivation is complete without a reward. Recall primary school teachers, they would paste stickers on good assignments or would mark a star against a student's name on the class list displayed on the class notice board and how this would bring pride to the student. So, appreciate, compliment and reward good performance.
4. **Provide Constructive Feedback:** Remember that your role is to nurture and not intimidate. To inspire students, it is necessary to have them trust you and this is possible if you use words of approval over sarcasm. Use the Pygmalion effect, i.e., set high and realistic expectations and communicate those in an honest and appreciative tone.
5. **Respect students and their viewpoint:** It is very important to respect students and value their contribution no matter how big or small in the class. This would make them trust you and accept you as a true mentor. Respecting students, provides them a safe environment and build positive relationships.
6. **Have fun in the Class:** The learning environment in the class should be a relaxed and participatory one. Let the students talk and take concepts forward. A teacher is at her best when she lets the students do 80% of the talking.
7. **Listen Attentively:** Students very cautiously judge you for the attention you pay them. So always be sure of giving them an active ear. Acknowledging, repeating or paraphrasing students' words is useful in establishing your rapport as that of a good listener.
8. **Maintain balance, discipline and fairness in the class:** Students value fairness and effective classroom management and operation skills in teachers. These qualities are required for creation of effective and smooth learning experiences.
9. **Be a champ of your content and continuously enrich it:** A teacher's primary purpose is to share subject knowledge and build students'

understanding of the same. So it is relevant to have the content on fingertips and also religiously update it for new developments taking place.

10. **Relate course content with its outcomes:** Students assess the value added by learning a particular course. By developing a statement of course outcomes and objectives and by continuously relating the content with these, that value could be displayed.
11. **Teach them life values:** Teachers are mentors for life. It is very important for them to teach students ethics and values of honesty, sincerity and trustworthiness.

Feeling of team-spirit and cooperation must be incorporated amongst students.

12. **Make your students self-reliant and empower them:** A teacher is one who would make her learners independent. The role of a teacher is to act as a facilitator and enable students to take action. Students must be compelled to take ownership, assume responsibility and perform tasks independently.

A teacher is a function of her behaviours, competence, learnings and experiences. She is moulded in response to her interactions with her students. Similarly, a student is like a planet taking its energy

from the star (the teacher) it revolves around. Their association is significant in the timeless process of creation of wealth of knowledge. Since, the teacher is elder and mature; it is good for her to assume responsibility for creation of mutually rewarding teacher-learner relationships. In doing so however, it is imperative for her to understand the dynamics of the same and inspire her learners.

Importance of Learning Language through Literature: An Exclusive Approach



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Nowadays many people consider reading literature as wastage of time especially in the era of advanced technology, where writing complete sentences or phrases is replaced by using abbreviations and mixture of letters and numbers. With the mushrooming of call centers and technical institutes, focus has shifted to giving 'Language capsule courses' to students without the aid of literature, thereby, only making zombies or robots that are only programmed to do specific tasks, whereas, teaching language through literature enhances reading, writing, listening and speaking skills through various genres like poetry, fiction, drama, prose and novel. It has manifold advantages like helping students absorb the human values, ethics and life-skills expressed in literature. In the world full of tribulations, imbibing these life skills and values is the need of the hour. Motivational literature can help the students understand the philosophy of life. Learning language through literature fosters better language and analytical skills in students. It further enriches

vocabulary, grammar and pronunciation of students which is the backbone of any language. It also paves way for life-long learning as literature is considered a mirror of society and in this globalized world it becomes easy to comprehend the culture of different societies.

Different genres of literature can be used to impart language like poetry, drama, fiction and prose. To substantiate, we can take the example of drama to develop speaking skills of students. This helps the students to "activate language to communicate real meaning rather than just practicing language."¹ It can help in overcoming fear and hesitation in speaking the English language. According to Hamilton and McLeod, "It is hard to imagine anything else that offers to Language teachers such as wide variety of types of talks, for example, monologues, paired-speaking, role-plays, group discussions, reporting, talking in response to other stimuli, problem-solving, developing scenarios, acting out, etc. from explaining, complaining, praising, disagreeing to exhorting, apologizing and requesting – there is no language function that drama is not capable of easily encompassing."²

Drama also helps in acquiring fluency in the English language i.e. the students are able to speak effortlessly and with confidence. In a multilingual country like India, it becomes important that students develop fluency in English language as it's not their mother tongue. Regular practice of speaking through

different activities employed while studying drama, can help in overcoming mother-tongue inference. Maley and Duff have also opined that, "the problem of not wanting to speak or, more often, not knowing what to say is practically resolved because the activity makes it necessary to talk."³ If English language is taught without literature it becomes monotonous and non-engaging and the students tend to lose attention, whereas drama as a tool of literature makes the class involved, engaging and participative.

Teaching language through drama as a tool of literature also imparts the students with qualities like cooperation, working in groups, develops leadership skills, builds self-reliance and also develops a sense of responsibility. It also makes their grammar strong and language is used effectively by students to express their creativity and develop new ideas and, improve their listening skills and develop new ideas. This idea has also been supported by Wessels, "Drama in education uses the same tools employed by actors in the theatre. But while in theatre everything is contrived for the benefit of the audience, in classroom drama, everything is contrived for the benefit of the learners."⁴

Similarly, genre poetry also helps in effective learning of the English language. Poetry helps in developing analytical skills, learning new words, interpreting the information and students also learn to use different figures of speech like metaphor, simile, irony, personification, imagery etc. and improve their expression. The

students, thus learn new things and enhance their knowledge and capabilities and English being the global language, has become the main means of communication that helps in interacting with people from different cultures globally through the use of technology and also in scientific research. Poetry helps students in improving their speech by learning the usage and importance of stress, pitch and intonation.

Fiction as a tool in teaching English language to students' also focuses on the aim to make students learn on their own and for life. Fiction is an "exposure to real language and its use in its own community."⁵ Fiction is exploited in the classroom for fulfilling different purposes like gathering ideas for discussions and debates, presenting students with samples of written pieces of varied discourse and styles, familiarizing students with multicultural skills and critical thinking skills. Some of the ideas or thoughts on fiction are considered very meaningful and inspiring ones. They facilitate the students in being creative and give wings to their thoughts. They are able to express their viewpoint more effectively. It helps in bringing out the views of the students and lead to very interesting session which enhances their listening, speaking and reading skills. Comprehension passages can be given to further strengthen their understanding and grasping power along with analytical ability. Giving standardized comprehension passages from the text, teachers can help the students to improve their spellings, vocabulary

by asking them synonyms and antonyms of the words used in a passage, grammar and sentence construction. Suitable questions can be framed which will help the students in organizing their thoughts into paragraphs with the usage of correct punctuation thereby improving their writing and cognitive skills. They also learn the important study skills like skimming, scanning, note-taking and note-making. A fair sense of understanding different cultures is developed and would enable them to see the world in an altogether different light. It is also important for the teacher to involve all students in teamwork while developing activities for the content and linguistic level of the learners.

Thus, using 'Literature' as a mode of language teaching, aims to produce better individuals with higher cognitive abilities which are required largely in the social arena by expressing themselves effectively both verbally and in writing. Therefore, literature helps students attain proficiency in English. As English teacher, to use the genres of literature appropriately is of utmost importance. Proper methods and appropriate materials are to be used with different teaching plans to cater to the needs of different sets of people. Therefore a teacher should keep in mind that "a fully English proficient student is able to use English to ask questions, to understand teachers, and reading materials, to test ideas, and to challenge what is being asked in the classroom."⁶

Thus, learning language through literature can

be an uplifting experience for the language learner under the care of a teacher who makes informed choices in the use of genres of literature in the English language classroom.

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Culture, Classroom and Learning



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I still remember it was a rainy July morning. The monsoons had arrived and every tiny speck of the cobble pathway at Humayun's Tomb was soaked in the rain. Admiring the beauty of the tomb complex, I felt poetic and experienced the realities around me melting and giving way to new images. I thought about the tomb's proximity

to Nizamuddin Dargah, the mausoleum of renowned Sufi saint, Nizamuddin Auliya. How this mausoleum has attracted people over the centuries. How Delhi itself has attracted people over the centuries! This memory came flooding back recently when I watched this episode of 'Raja, Rasoi aur Anya Kahaniyan' on Epic channel discussing the history and food culture of Delhi. As a result, I felt inspired to talk about culture in my English language class and started working towards a lesson on Sufism. The aim was to integrate ICT into classroom teaching and build upon students' cultural awareness, foster curiosity, enhance their communication and critical thinking skills:

When the class started, I projected the world map on the whiteboard and asked the students

to locate Mongolia and Iran on it. After they did, I told them about Mongolia's conquest of Persia and how this historical event led to scholars, intellectuals and artists moving to Delhi. I asked them to think about what happens when two cultures come together. Most of them said, "Conflict." Teasing them playfully, I asked, "Always?" They smiled and shook their heads in denial.

Then, we watched clips of contemporary Sufi songs. While watching these clips, some students hummed while others drummed their fingers gently on their books. They observed some themes and patterns in the songs. They shared examples from their daily lives. It was interesting how the discussion touched the

theme of the individual and the society. The students said that when the situations become challenging, it is easy for the individual to feel confused and does not recognize his/her potential. In a way, one becomes the prisoner of one's own thoughts. The images of "a confined self", "being imprisoned", "desire to be free", "lack of self-awareness" are some of the images prominent in Sufi music tradition. As in the song 'Kun Faya Kun' from the film Rockstar, the protagonist sings:

"O mujh pe karam sarkar tera, arz tujhe, karde mujhe, mujhse hi riha. Ab mujhko bhi ho, deedar mera, karde mujhe, mujhse hi riha, mujhse hi riha."

Translated as:

"It would be your generosity upon me, Oh master. My request, free me from myself. Even I see myself. Make me free from myself. From myself."

(Source of translation:
<http://blog.chandrasah.com/archives/2992>)

To conclude, in doing this lesson, my attempt was not only to encourage students to be critical thinkers and be culturally aware but also to provide a space for the students to articulate their feelings without feeling judged. As teachers, it is important for us to provide a validating environment for the students and build trust by talking to them about issues that impinge upon their lives.

Ways to Deal with Stress after Loss of Job



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Stress is a dynamic situation faced by an individual that arises out of a rare opportunity, demand or constraint related to something which is significant for the individual but whose outcome is uncertain. An individual becomes stressful when a coveted opportunity knocks at the door but individual is not sure whether he would be able to grab that opportunity. Similarly, uncertainty about the removal of an important constraint results in a stressful situation. Stress arising out of loss of job is one such phase in the career of the individual when all his future growth plans come to a halt. It brings an individual on a blind road whose end is not visible. All his plans of providing best education to his children, enjoying comforts of life, spending quality time and moving one step more on the ladder of growth are shattered, leaving him with only a paper in his hands that is a proof of the loss of job. This stress becomes more intense when the individual is the only earner in the family.

Ways of dealing with the stress varies with the individual depending upon his social makeup, personality, locus of control and his attitude. Some individuals give a false relief to themselves either by drinking, smoking or by releasing their frustration at home because it is the easiest source for venting out. Others may restrict themselves within four walls and isolate from the world thereby creating a more

stressful environment. However, there can be much better ways to deal with the stress post job loss.

- 1. Spend time with the family:** Spending some time with the family can bring peace to mind, body and soul. Share your apprehensions and fears with the spouse as she is the person who understands you and stands with you in all your good and bad times. Sharing problems with the close ones, making them understand your state of mind in this difficult situation can lower down the stress and make you smile.
- 2. Diversify yourself and brush up your skills:** Diversify yourself and become competent to work in multiple fields. Improve your technical and interpersonal skills, become abreast with latest technologies and advancements. Undergo some suitable training programme after visualizing its usefulness in the market. This will not only improve your confidence but will also help in forgetting the loss of job.
- 3. Look for greener pastures:** Do not let the stress overpower your mind or your thinking and analyzing ability. Leave no stone unturned to search for new job vacancies. Search newspapers, use social networks, talk to your friends, relatives and previous employers about the availability of job vacancies in their knowledge and respective fields as word of mouth is more effective than any

other mean of communication. Discuss and analyze job requirements with them. This will narrow down your search and decision criteria. Who knows? Right time and opportunity do not come with bangs. So, keep the eyes open, sense the opportunity and grab.

- 4. Meditation:** Do regular stress relieving exercises such as yoga, mediation, jogging or simply walk in the morning while enjoying the beautiful gifts of nature. This not only reduces stress but also keeps you physically fit.
- 5. Engage yourself:** Do not sit idle thinking of the loss. Engage yourself in some social work, take membership of a nearby library or help your children in their projects. This way you can maintain a routine and divert your mind from negative feelings.

It is said that God helps those who help themselves. Thus, take the challenge in your stride, have confidence in your capability and win over stressful situation as there is always a silver lining around clouds.

Tough times do not last; tough people do.



Stress Management Mind Map

Source: www.strictly-stress-management.com

Meditation



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If you are tense, anxious and worried, try meditation. Spending even a few minutes in meditation can restore your calm and inner peace. Meditation is simple and inexpensive, doesn't require any special equipment and can be practiced wherever you are—whether you're out for a walk, riding the bus, waiting at the doctor's office or even in the middle of a difficult business meeting.

Understanding meditation

Meditation has been practiced for thousands of years. Meditation originally was meant to help deepen understanding of the sacred and mystical forces of life. These days, meditation is commonly used for relaxation and stress reduction.

Meditation is considered a type of mind-body complementary medicine. It produces a deep state of relaxation and a tranquil mind. During meditation, you focus your attention and eliminate the stream of jumbled thoughts that may be crowding your mind and causing stress. This process may result in enhanced physical and emotional well-being.

Benefits of meditation

Meditation can give you a sense of calm, peace and balance that benefits both your emotional well-being and your overall health.

Meditation and emotional well-being

When you meditate, you clear away the information overload that builds up every day and contributes to your stress.

The emotional benefits of meditation can include:

- Gaining a new perspective on stressful situations
- Building skills to manage your stress
- Increasing self-awareness
- Focusing on the present
- Reducing negative emotions

Meditation and illness

Meditation might also be useful if you have a medical condition, especially one that may be worsened by stress. Some research suggests that meditation may help people manage symptoms of conditions such as:

- Anxiety disorders
- Asthma
- Cancer
- Depression
- Heart disease
- High blood pressure
- Pain
- Sleep problems

How to practice meditation

Here are some ways you can practice meditation on your own, whenever you choose:

- **Breathe deeply:** This technique is good for beginners because breathing is a natural function. Focus all attention on your breathing. Concentrate on feeling and listening as you inhale and exhale through your nostrils. Breathe deeply and slowly. When your attention wanders, gently return your focus to your breathing.
- **Scan your body:** When using this technique, focus attention on different parts of your body. Become aware of your body's various sensations, whether that's pain, tension, warmth or relaxation. Combine body scanning with breathing exercises and imagine breathing heat or relaxation into and out of different parts of your body.
- **Repeat a mantra:** You can create your own mantra, whether it's religious or secular. Examples of religious mantras include the Jesus Prayer in the Christian tradition, the holy name of God in Judaism, or the om mantra of Hinduism, Buddhism and other Eastern religions.

- **Walk and meditate:** Combining a walk with meditation is an efficient and healthy way to relax. You can use this technique anywhere you're walking, such as in a tranquil forest, on a city sidewalk or at the mall.

While using this method, slow down the pace of walking so that you can focus on each movement of your legs or feet. Don't focus on a particular destination. Concentrate on your legs and feet, repeating action words in your mind such as lifting, moving and placing as you lift each foot; move your leg forward and place your foot on the ground.

- **Engage in prayers:** Prayer is the best known and most widely practiced example of meditation. Spoken and written prayers are found in most faith traditions.

- **Read and reflect:** Many people report that they benefit from reading poems or sacred texts, and taking a few moments to quietly reflect on their meaning. You can also listen to sacred music, spoken words or any music you find relaxing or inspiring.

- **Focus your love and gratitude:** In this method, you focus your attention on a sacred object or being, weaving feelings of love, compassion and gratitude into your thoughts. You can also close your eyes and use your imagination or gaze at representations of the object.



Federated Search Engine: A New Tool for Searching Information



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Federated search is an information retrieval technology that allows the simultaneous search of multiple searchable resources. A user makes a single query request which is distributed to the search engines, databases or other query engines participating in the federation. The federated search then aggregates the results that are received from the search engines for presentation to the user.

This is often a technique to integrate disparate information resources on the web. Federated search meets the need of searching multiple disparate content sources with one query. This allows a user to search multiple databases at once in real time, arrange the results from the various databases into a useful form and then present the results to the user.

As such, it is an information aggregation, or integration approach which provides single point access to many information resources, and typically returns the data in a standard or

partially homogenized form. Other approaches include constructing an Enterprise Data Warehouse, Data Lake, or Data Hub. Federated Search queries many times in many ways (each source is queried separately) where other approaches import and transform data many times, typically in overnight batch processes. Federated search provides a real-time view of all sources (to the extent they are all online and available).

Benefits of federated search engine

Saves the times of Users: The biggest advantage of federated search engine is that it saves time of users by providing all relevant information in single search tab. Users need not visit different websites for getting information.

Accuracy of Information: As the agencies perform the work of federation very carefully, this will ensure the accuracy and authenticity of information to users.

Users can set preferences: Federated search engines provide users the feature of set preferences for their search. It helps the users to search the information from the specific databases and remove the other information which is not relevant.

Multiple information sources: Federated search engines provide users the access to variety of information sources i.e. videos, text, slides, audio, images, online lectures etc. from different sources. This provides users an extra

advantage while understanding the concepts.

Integration of Library OPAC: This feature of federated search engines enables users to search the library OPAC through this platform only. It helps users to search the physical collection of books available in library also.

The NorthCap University's Library and Information Resource Center (LIRC) has recently subscribed for KNIMBUS, a federated search engine. Developed by a Delhi-based company 'GIST', KNIMBUS has all the features of a federated search engine. It provides federated access to the subscribed content along with 15000 open access journals from various publishers and millions of e-books. Users can upload their papers, articles, working documents on KNIMBUS and share it with their peers. It enables personalization of search experience for researchers by creating custom collection of preferred content sources.

It allows easy information sharing among researchers using Shared Projects. It has social features to enable users to provide their views on published articles through comments, like or social tapping. It helps in connecting with other researchers on KNIMBUS network to share, collaborate or co-author.

Walking Down the Lanes - The Memory Lanes, the Childhood Lanes!!



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(This poem was recited by Ms Jyotika Pruthi at Delhi Poetry Slam held at Korean Cultural Centre, New Delhi)

I miss a lot of stuff,
stuff that is silly and don't hold much meaning

in today's world,
like writing on ruled sheets with a cursive hand
instead of punching letters on a screen!!
or singing tuneless to my favourite song being
aired just once a week
or smacking lips aloud after having a plate full of
fries at the shady neighbourhood shack
or reading a book so many times that it's binding
comes apart and it starts smelling like me and
me somewhat like it!!

Missing someone couldn't be remedied with an
instant text,

I wish things were not so much in abundance as
they are now;
at times it's nice if stuff and people make

themselves a trifle scarce,
we start valuing them more!!

There were times when catching up with friends
meant actually hanging out with them at their
place or mine ,
stuffing ourselves with homemade goodies,
watching a cheesy romantic Bollywood movie,
pinning away at the lead actor,
lazily being spread out on the couch giggling
about utter nonsense!!

We still do some of the stuff but at a cafe or at a
mall,

eating ready to order meals,
drooling at the same jaded star at PVR with
mouthful of caramel popcorn!!

Of course we can still connect at the same level,

keep up the conversation with nothing, still roll around with laughter!!

So I guess nothing is changed much apart from the backdrop!!

There is that feeling which you cannot put in words when you chance upon a scrap of long forgotten memory -

a wisp of your favourite perfume,

a faded photograph from a torn album,

strains of jaded melody you used to hum growing up,

watching your favourite star on television and marvelling at his wrinkles and grey hair thinking how he has aged,

the vendor in the market place still selling spicy snack you had after school,

the gates of your school you felt relieved to leave behind after exams you now cannot cross without fondly glancing at it,

your old chums some changed by the vagaries of life,

when your milkman remembers you and gives a toothless grin misty eyed he recounts

your tales of naughtiness which you have no recollection of...

it's a strange world out there where the more things change the more it remains the same!!

I got the time to think about so many things in the past few days -

my childhood,

the ledge on my terrace where I used to sit with my little sister much to the chagrin of our parents,

the innumerable squabbles with her or the urchins who were my playmates from whom I learned to whistle,

my teachers and their quirks,

the way I learnt to spell NIGHT-IN-GALE,

the dismal fractions on which I raked my brain and chewed my pencils away...

the night before a unit test,

the glee at finding a branch of rose in my broken cup bloom,

my friends, school premises, our pet parrot, they all visit me from time to time,

to keep me company and see me through my hardest times!!

I still remember that beautiful question

everyone used to ask "Where do you see yourself, a few years from now?"

The answer could never be perfect and I laughed every time at this question with grin emoticon but let's see how I always answer:

"Hopefully, everywhere and nowhere. I want to go as long as possible, forever if I can, feeling as if I've never truly arrived and be at complete peace with that. With the journey of it all, I don't need life little checkpoints to convince me that I am growing or progressing.

The memories I accumulate will do that. I just want to live out loud, as brightly as possible and create as much distance between myself and whatever the world tells me I'm supposed to be!!

The road is my own to travel and there is no predestination set, there is no turning back. I'm thinking I was never meant to fall in line, or follow the well-worn paths!!

Really when all is said and done, I hope I am en route to everywhere I have never been, feeling things I've never felt.

I intend to make liars out of few and history with the others"!!

Law Colleges in Delhi NCR come together at Moot Court Competition



Ms Rekha Mathur
Sr Copy Editor

If you are argumentative and possess the talent to fight your for side to the end, join a law school, as lawyers have to battle it out for their clients in court rooms. What makes this profession special is that a lawyer is an **agent of change** as it gives him/her the power to see rules from different perspectives and present them in a manner that may gradually lead to changes in relevant laws for the benefit of society at large.

Lawyering is a craft that takes a long time to acquire. Half-hearted attempts at lawyering or those who turn to lawyering as a fallback are less likely to succeed in this profession. One has to be skilled in speaking, researching,

reading, writing, and above all patience. Persistence is an important attribute that a lawyer has to develop. A lawyer has to cogently put across a point for which tough texts have to be read, researched and analyzed with keen attention to the minutest detail. Arguments have to be written flawlessly and argued convincingly but coolly. It is imperative for aspiring lawyers to participate in Moot Court Competitions in law schools. One such institution is the School of Law, The NorthCap University (NCU), Gurgaon.

Simulated court proceedings or Moot Courts are an integral part of law study and every area of law can conduct Moot Courts. Participants prepare cases by writing out submissions and presenting parties in oral pleadings in front of an expert Jury.

Why participate in a Moot Court Competition

Inter-collegiate Moot Court Competitions are a great

way to practice the skills of studying and analyzing a case in depth, writing it out and then arguing it out for the team to win. It sharpens your persuasive writing and oral advocacy skills. You gain self-confidence as you work with other students to set and accomplish goals. More importantly 'Mooters' have fun while learning

Law colleges of Delhi-NCR and other states came together at NCU's moot court competition to showcase as well as hone their advocacy skills. It was a platform to demonstrate core and practical skills along with the use of theory to



enhance their research, analysis, investigatory skills and also develop a passion for law.

Negotiating is particularly an important skill to acquire for a potential lawyer as the guilty need representation too and s/he won't always be representing the innocent party. A

lawyer has to negotiate and try to win a lesser jail sentence or compensation for someone that's broken the law, not something you'd expect when you went to Law School!

Moot Court Competitions are an occasion to meet and interact with distinguished members of the bench and bar who speak at the event or

judge the oral arguments. It is also an opportunity for employers to select potential lawyers for their organization and for the college it offers excellent campus placement opportunity. Many competitors use an excerpt of their brief as a writing sample for job interviews.

Physical Education is a Must for Students



Ms Sunil Malik
Sports Department

Physical Education

When we talk of physical education, a basic question arises in our mind about the scope and range of physical education. In few words, it can be said that all of the human body development is physical education. It encompasses different realms of development of a person, like physical, mental, social and emotional development. Physical education helps maintain strong muscles, blood circulatory system, respiratory system, digestive system and more. It also helps in mental development. As the proverb goes, "A healthy mind resides in a healthy body." Physical education helps to control emotions and feelings. In conditions of either losing or winning a game, it brings emotional stability. It is also a factor in social development of a person. Man is a social animal. He cannot live without society. Physical education helps a person develop bonds between different people. Through the various competitions held at district, state, national and international levels, a person comes in contact with many others and develops a healthy relationship. Students learn cooperation through group activities and form a positive sense of identity as part of a team. Such group activities are continually important as one grows older.

Different thinkers have given different views of physical education. They have analyzed and defined physical education with different

angles. According to J F Williams, physical education is the sum of man's physical activities, selected and conducted as to their outcome, while according to R Cassidy, physical education is the sum of changes in an individual caused by experiences centred in motor activities. A R Wayman defines physical education as a part of education which has to do with the development and training of the whole individual through physical activities. According to Central Advisory Board of Physical Education and Recreation, physical education is education through which physical activities for the development of total personality of the child to its fullness and perfection in body, mind and spirit.

Aim of Physical Education

Like general education, physical education provides skills to achieve higher targets and goals. The purpose of physical education is to provide efficient leadership and facilitate opportunities to the individual and the community that enable them to work and contribute towards the society. The aim of physical education is to influence the experience of a person to the extent that each individual within the limits of his capacity may be helped to adjust, successfully in society, to increase and improve his wants to develop the ability to satisfy his wants. Physical education should aim to provide skilled leadership, adequate facilities and ample time for individual and the groups to participate in activities that are physically whole, some mentally, stimulation socially sound.

Objectives of Physical Education

Objectives are not invisible or unfinished. They can be enumerated and written. Objectives propel and lead us to reach higher places in life. Before committing oneself to a task, one should look for its purpose, intention and objective.

The primary and major objective of physical education is development of health. It also includes improvement in attitude, worthy use of leisure time, neuro-muscular development, emotional development, social development, intellectual development. Physical education increases the tolerance of the individual by enabling him to move ahead even in adverse conditions thereby increasing and enhancing his work efficiency. It improves neuro-muscular coordination and helps in prevention of diseases. It boosts character and personality development and awakens the spirit of patriotism in an individual through different social service or patriotic associations like NCC, scout, MDS, ACC etc. Physical education also develops moral training in a person. The lessons and ethics learnt are received on the ground help the individual throughout his life. It makes him a disciplined and sensible person.

We can say that the purpose of physical education is to help in physical, mental, cognitive and emotional development of an individual.

Importance and Need of Physical Education

We are living in an age where people are leading mechanical lives. In the time when materialistic growth has been in dominance, the physical strength of a person is in danger. Stress and other mental and physical ailments have taken a toll on people. In such an alarming time, it is very much required to have physical education for all which is beneficial for health. It increases physical immunity and reduces the harmful mental effects. It also reduces the bad effects of sluggish life. Physical education is essential for perfection of modern education. It brings social integrity. The studies by researchers have found that children who are physically fit absorb and retain new information more effectively than children who are out of shape.

According to Central Advisory Board of Physical Education and Recreation, physical education helps in the overall growth and development of a child and his personality. Physical education plays a seminal role in the process of education. It is an integral part of general education. Modern physical education is based on scientific principles. The activities are chosen in such a way that they satisfy the purposes.

Scope of Physical Education

The field of physical education is quite vast. It is not only limited to games, athletics or gymnasium, but it also includes entertainment, amusement, medicine, social exploration etc. Physical education includes fundamental activities like running, walking

etc., corrective exercises, athletic games and swimming, self-defence activities, rhythmic and dances, yoga, recreation and research.

Facilities at NCU

The NorthCap University, Gurgaon provides a wealth of sporting opportunities, both on and off campus. The University has sports facilities for nearly all indoor and outdoor sports. The numerous sports facilities and clubs provide an array of activities to choose from. The cricket-cum-football ground is arguably one of the finest grounds in the NCR, with floodlight facilities for night sports. The University's sporting activities are scheduled to fit in with the academic timetable, allowing everyone to participate. The facilities for different sports at the University include athletics tracks, open air

amphitheatre, courts for lawn tennis, basketball, netball and volleyball. The University also has the facilities of Judo club and indoor games like table tennis, chess, carom, yoga and a gymnasium. The facilities for indoor games and outdoor games help students keep healthy, fit and competitive. Participation in sports inculcates qualities of commitment, dedication, integrity, perseverance, leadership, fair play and help in the development of various skills in students. Involvement at any level is encouraged.

What is it like to Grow up with Professor Parents?



Krittika Swamee
Multipotentialite,
Chemical Engg,
IIM Kozhikode

(Author is daughter of Prof. PK Swamee, Mentor, Dept of Civil Engineering)

My upbringing was a lot more different than my peers and I love it so much. So here is a bit of background: my father was a Professor of Civil Engineering at IIT Roorkee. He has had a brilliant academic and research record. My mother was double MA in Sociology and Hindi but chose to be a full time homemaker. She used to teach earlier.

So when both your parents are teachers, how will your life be???

1. **Zero Academic Pressure:** Yes you read it right! If I would score less marks and be upset all they would say is "No one really cares if you came 1st in 6th standard". How true! The focus instead was on keeping the concepts

clear ("jo padho, samajh ke padho" i.e. whatever you study understand it and don't simply cram things for marks). When it came to career choice my sister and I both were given complete freedom to choose a career path of our own choice.

2. **Best Environment:** I grew up staying in an IIT campus and the minimum qualification of my neighbors would be a PhD! We could learn sports ranging from squash to cricket to swimming everything within walking distance. We had access to one of the best libraries in India. Drawing room discussions would be on issues like Saraswati River's Extinction, Interlinking of rivers, world politics with accurate historical facts being quoted. I'm totally comfortable discussing geeky stuff in depth but find it weird when people discuss weather and politics without any actual knowledge. Kids I grew up playing with are now across the world in esteemed universities and companies and my network is well spread.

3. **Intellectual Parenting:** My earliest memories of fun with my dad are burning newspaper bits by focusing sun

rays using a magnifying glass on a Sunday morning. Childhood stories were around Newton's three laws, Archimedes principle, journey of man with light (Yeah! I was a 3 year old child who knew Newton's Laws in story format). My parents believed in teaching by example. So if we have to sleep early then entire family would sleep at 9.30 or 10 pm. They believed in staying close to nature so we had a lot of plants and trees in the garden and were taught basic gardening from a young age. I also grew up around a lot of books. Entire family's hobby was reading so I could read fluently from the age of 4. I ended up becoming a voracious reader and till date have a collection of all my books/magazines/comics. Not a single one was thrown and till date wherever I go, I end up creating a library. My imagination really flourished with so many books and different people in my life.

A Day out in the Rain



Varun Rastogi
Student
Dept of Mechanical
Engineering

(This story is dedicated to my father. Love you, Dad.)

Have you ever been out on a rainy day?

Have you ever got lost?

And most importantly, have you ever gone wild on the streets during rain?

This story describes how a sober, sweet, innocent child goes wild and enjoys the rain.

There was a boy. His name was Jayesh. He was a parent-perfect kid, good in academics, playing musical instrument and sports. He used to work hard in studies and scored well. His dressing style was simple and plain. He did not hang out with friends, did not misbehave with elders and do any mischief. Sometimes, it seemed as if no one would care if he was present or not.

Everything was same till one day – the day when he was noticed. He did something, no one could expect of him. His friends and family were surprised, shocked but happy. Was he the same 12 year old kid? They were confused by the notion whether someone can switch from his personality like it was never his.

How this all happened?

On that day, he saw a new world. His school van broke down while coming back to home. The weather was cool and it started raining. He stood under a shelter in front of a slum. He saw some children playing there. They weren't just taking bath in the rain but they were enjoying.

He was confused. He was not able to figure out how this is possible. After all, he was just 12 years old. He thought bathing in rain is similar to taking a shower in the bathroom.

How is this enjoyable? Why are these children laughing and playing?

While he was staring at them and trying to understand, children playing in the dirt and rain noticed him staring. They asked him to join him but he refused delicately. With his quiet manner and etiquettes, he was standing still. But the slum children least cared for manners when it came to enjoyment. They came and dragged him with them. That was perhaps the first time he stepped out in rain. He had never felt the pleasure of falling droplets on his face. When the children took him out, he was irritated at first but seeing them enjoying, he too felt good. He played there for so long that he forgot he had to go back home, then to his music classes. He was jumping in and out of the dirt pond, splashing water, dancing like he never did. Finally he just lay on the ground along with other kids.

But this was not all. He was kind of a boy who kept away from animals. When he saw some street dogs and kids playing with each other, he was quite confused. Soon his curiosity overpowered his mind and he too started playing with them. He was playing, dancing,

screaming which he had never thought of.

He realized that life has much more than being a bog. More he follows the schedule, more it swallows him in. Coming out of his dreams, he had to get back to his actual life – the life, which was full of routine. He could never tell his parents what he liked and followed what was told to him. His parents thought he liked what they told him. He wasn't aware of the fact, so he was very afraid. He was reluctant to go back home. When he reached home covered in dirt and mud, he was shivering not because he soaked himself in the rain but because of the fear of his family and their rules and regulations.

His family was worried as he was never late while coming back from the school. When he entered the house, they were not able to recognize him for a moment and it was very difficult for them to understand how this could happen. The boy who never did any mischief, any nonsense had done such a thing. They were confused how to react. But they were happy that their boy was safe and back home although his appearance told a different story.

His mother thought nothing of this. She laughed and gave him a tight hug. She said, "Let's give you a real bath now".

The idea of this story is to tell everyone that parents only need what's best for the children. They are happy with the fact that we are happy. They may sacrifice for children's well-being. But they love their children and want to see them grow in their own way.

Youth and Entrepreneurship: An Opportunity or Risk?



Vaibhav Kaushik
Student
Dept of Mechanical
Engineering

Ouths of any nation are mainly responsible for its long term economy. When we talk about youth of a nation, we would consider them to be enthusiastic, passionate, willing, full of perseverance, and most important of all, the risk-takers.

The ideology of youth goes like this,

"Fear of regret is the worst thing in life."

So, generally youth of the nation would try

different things as many as possible to get bigger exposure in life. Generally, entrepreneurship is associated with the quality of taking risks, which youths are good at. Young age is best when it comes to experimenting, no responsibilities, no fear and most important of all, the self-belief is at its peak. As we know, failure is an integral part of entrepreneurship and if we fail at young age, we still have our long

life ahead of us. But if we succeed; there is nothing better than being rich and successful at young age.

Being a young entrepreneur is certainly an opportunity because there are so many mentors to learn from. With old age, a person becomes stubborn and less flexible thus, not ready to change. Moreover, being entrepreneur involves working for extensive hours and mustering the courage to stand for one's idea at which youth are way ahead.

Entrepreneurship is itself a risky endeavour, so it hardly matters when you start but starting early gives us more freedom and of course more time to experiment. No matter if we fail, we still have the experience of working in the arduous environment. Moreover, nowadays some colleges are coming up with concept of 'deferred placements' only to encourage the youths to go for entrepreneurship and even if they fail, they could have their placements at the later stage.

Versatility and flexible attitude along with risk taking ability are by far the most important qualities for an entrepreneur. These are present in the youth, not with elderly people.

In this world, there are only 5% people who are arguably successful. Rest 95% compromise with their lives. But out of those 5%, many are entrepreneurs and most of them started young. The reason is that young mind is free, full of ideas and thoughts, more observant and

creative. Whereas on the other side, an old mind is full of experiences and motions having prejudices and regrets. That is obvious reason behind the world's richest man Bill Gates started young. If he would have just waited, someone else would have been running Microsoft. Larry page of Google, Warren Buffet, Mark Zuckerberg, Richard Branson and there are so many of them. But these all are successful because of the fact they pulled up their socks to change the world with their idea when others were busy thinking of all the unnecessary things in life and procrastinating.

"Nothing is more dangerous than the idea whose time has come". We might have come across this line many a times but execution is most important of all. When it comes to execution, young minds are fearless unlike the old people because those people have families and responsibilities. To say the least, at young age we can accept defeat and improve because we have longer time to experiment. But older we get, lesser time we have to experiment the odds of being successful.

I believe just like risk and returns go hand in hand, so does the entrepreneurship and youth. As a matter of fact the entrepreneur has a vision in his eyes, fire in his belly which does not let him relax until he has achieved what he was thriving. Being young does not mean with age, it also involves being young at mind and heart too.

Sometimes, there is too much stress involved

when it comes to running an enterprise that a person needs some recreational activities to divert his mind. And when it comes to partying and enjoying, youth knows its best.

Most important of all, youth is a bridge between teenage and adulthood. So, they are more handy, when it comes to ideas generation and dealing with people because they certainly know what teens want and what they would desire when they are adults. This whole thing certainly changes the thought process of entrepreneurship.

According to the golden circle of Simon Sinek, a venture is successful and rising only if it's leader is. Leader only rises if he/she has a strong and emotional "why" to start an enterprise. It involves being passionate and having a never say no attitude.

Certainly, it's a great opportunity to start young as an entrepreneur because it can transform the youth as a person and provide the best of experiences which would his life and of course, the nation and the globe. It is the whole idea of entrepreneurship, i.e. to transform the world into a better place.

(The article is the winning article of the Essay Competition organized by E-Cell)



Proud to be part of Dean's List

DECEMBER 2015 DEAN'S LIST

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.



The December 2015 UG students' Dean's List:

School of Engineering & Technology

Aadish Goel
Chhavi Jain
Madhav Goyal
Madhur Bahl
Ruchi Arora
Rupal Kapoor
Sakshi Garg
Shaurya Jauhari
Shubhashree Dash
Sarthak Agarwal
Kartik Sikka
Sidharth Sharma
Baljinder Singh
Mayank Juneja
Nikhil Juneja
Shubham Gagaj
Lakshya Nanda
Devansh Bhatia
Garima Bhayana

Lakshay Chaudhary
Nandini Gupta
Neha Khan
Shreya Chadha
Manish Yadav
Nitin
Pankaj Dagar
Shubham Sehgal
Radhika Agrawal
Jitender Verma
Sumit Jain
Tanyam
Akshay Kumar
Divya Sharma
Divya Bajaj
Kunal Arora
Sukrit Sharma
Abhishek Jain
Aishwarya Basotia

Hemant Hasija
Ishant Bhardwaj
Neha Gosain
Simar Preet Kaur
Mehek Chandna
Dinesh Dangi
Sparsh Bhayare
Suyash Abhay Ghirnkar
Balram Sharma
Sanya Gambhir
Bhriugu Joshi
Kumar Abhishek
Rajvi Kaushik
Rashi Aggarwal
Gaurav Chauhan
Laveena Garg
Preeti Dagar

School of Management

Gunjan Shrivastava
Kirti
Purvanshi Batra
Surbhi Shah
Vandana Sony
Rishabh Chaudhary
Apoorva Mangla
Kajal Jain
Kriti Narang
Niharika Marya
Rishab Gaba

School of Law

Dipender Chhikara
Mukul Sharma
Arohi kashyap
Mohit Vats
Tashi Vaish
Himangshu Rathee
Anubha Yadav
Gabriella Ruhil

The December 2015 PG students' Dean's List:

School of Engineering & Technology

Neetu Goel
Dilpreet Singh
Kriti Chaudhary

Ankita Gupta
Priyanka Rastogi
Tanuja P Bhandari

School of Management

Jatin Arora
Priya Bhargava
Vimal Dahiya
Supriya Rajpal

Dean's List students had a date with the Vice-Chancellor on 14 March 2016 - a dream occasion for a student 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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