

Newsletter

Vol. 51 January 2016



THE NORTHCAP UNIVERSITY (FORMERLY ITM UNIVERSITY, GURGAON)

NCU Activities

Prof. Pushpesh Pant conferred with the Padma Shri award



*Prof. Pushpesh Pant,
Professor and
Dean School of Law*

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."

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. He concluded the session by quoting, "East or West, India is the best." 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 thoughtful address to the faculty and students of the University.



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.

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.

Outreach Activities of Distinguished Professors



Prof. Kehar Singh
Honorary Distinguished
Research Professor

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

- Optical Cryptography during International Conference on 'Advances in Light-based Technologies and Spectroscopy of Materials' on 16 January 2016 at Lucknow University.
- Optical Holography: Theory and Applications - a series of eight lectures in DST sponsored Winter School on 'Modern Optics' from 16-18 December 2016 at IIT Patna.

Visit of ASQ-NCU team to Hero Motocorp Ltd

ASQ 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.



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 sahad yoga, self-realization and meditation.

During the Yoga Dhara programme, the 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.

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.



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.

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.

News from the School of Engineering and Technology

Department of CSE and IT

Departmental Activities

- The Department is pleased to share that 26 students have 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.
- 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.



Faculty Achievements

- Dr Charan Kumari reviewed a technical paper for 'Journal of Intelligent Systems'.
- Dr Vijender Singh has been appointed as member of reviewer

board for Science and Information Organization Computing Conference 2016 indexed by Thomson Reuters.

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

Department of Civil and Environmental Engineering

Departmental Activities

Alumni Interaction



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 (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]

Guest Lectures



The Department organized a guest session on 'Career Opportunities in 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.

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]

Faculty Activities

- ❑ 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 Amit Srivastava attended National Conference on Dam safety at IISc Bangalore and presented his work on 'Risk Analysis Methodology applied to Gujarat Dams. [CEE2016CA001]

Department of Mechanical Engineering

Departmental Activities

Syllabus Review Meeting with Industrial experts

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 will be helpful aligning the syllabi and schemes according to the industry needs. [MED2016O002]



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

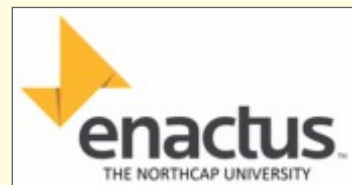
Innovations using 3D Printing

The Department of Mechanical Engineering has extended its support towards the Department of CSE&IT by providing shape to their imagination using 3D printing. The Department is working on an innovation project 'Portable Printer'. Using 3D printing, the first concept of the printer has been prepared and scaled down to a presentable size. [MED2015O010]



Society Activities

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.



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 the problems of society. During the 3-week programme, the candidates worked on design and manufacturing projects guided by the team managers and faculty. [MED2016O003]

Faculty Activities

Dr Ritwik Basu attended the International Conference on Materials and Manufacturing (ICMME 2015) from 25-27 December 2015 at IUT Dhaka, Bangladesh. [MED2015CA002]

Department of Applied Sciences

Departmental Activities

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

Faculty Activities

- 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 Sangeet Srivastava was 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]



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]

- 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 the 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 NORTHCAP 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



News from the School of Management

Department Activities

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]



Faculty Activities

Ms Sunaina Sangwan published an article, 'Time Management: Fundamental Criterion of Employability' in the online magazine Wisdom Blow. [SOM2016O002]

News from the School of Law

Departmental Activities

- 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

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. NCU School of Law also got an opportunity for considering MoUs with the respective universities of these eminent professors and they showed keen interest for faculty and students exchange programmes.

News from the School of Professional Attachment (SPA)

- 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.



Mr BK Gupta welcoming Human Resource delegates from ChannelPlay

- SMS Group, an EPC organization conducted on-campus placement drive for final year students of Mechanical Engineering on 8 January 2016. Results of the drive are awaited.
- 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.

- Sharing the vision of our Prime Minister for startup India and standup India, THE NORTHCAP UNIVERSTIY 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

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

S. No.	Name	Company
1.	Manav Sethi	M/s Proptiger Pvt Limited
2.	Yash Chawla	
3.	Ujjwal Prabhakar	
4.	Saurabh Vashisht	
5.	Abhimanyu Malik	Panacea Health Care Pvt Limited
6.	Dharmender Dhandra	
7.	Abhishek Atri	City Habitat Projects Pvt Ltd
8.	Kumar Kislay	M/s Seafarradays Pvt Limited

Research Papers Published

Book Chapters

International

- Ajay Bhotan, Prem Vrat and AK Vij (2015) 'Peculiarities of Disaster Management in a High-Altitude Area' in Managing Humanitarian Logistics, Chapter 19, pp. 273-296, Springer, ISBN - 978-81-322-2415-0, **SOM 2015BC006**.

Journals

International

- Irameet Kaur and **Charu Shri** (2015) 'Total Interpretive Structural Modeling of Emotional Intelligence at Workplace', International Journal of Applied Management Sciences and Engineering (IJAMSE), Vol. 2, No. 2, pp. 1, **SOM2015J013**.
- **Alpana Agarwal and Prem Vrat** (2015) 'A TISM Based Bionic Model of Organisational Excellence', Global Journal of Flexible Systems Management, Vol. 16, No. 4, pp. 361-376, **SOM2015J014**.
- Irameet Kaur, **Charu Shri** and KM Mital (2015) 'A Flexible Approach Towards Effective Teaching-Use of Social Media by Teachers', Global Journal of Flexible Systems Management, Vol. 16, No. 4, pp. 391-403, **SOM2015J016**.
- **K Mathiyazhagan**, Ali Diabat, Abbas Al-Refaie and Lei Xu (2015) 'Application of analytical hierarchy process to evaluate pressures to implement green supply chain management', Journal of Cleaner Production, Vol. 107, pp. 229-236, **MED2015J018**.
- Lixin Shen, **K Mathiyazhagan**, Devika Kannan and Wang Ying (2015) 'Study on analysing the criteria's for selection of shipping carriers in Chinese shipping market using analytical hierarchy process', Int. J. Shipping and Transport Logistics, Vol. 7, No. 6, pp. 742-757, **MED2015J019**.
- **Feras Hakkak**, Mahmoud Jabalameli, Mostafa Rostami and Mohamad Parnianpour (2015) 'The Tibiofemoral Joint Gaps - An Arthroscopic Study', SDRP Journal of Biomedical Engineering, Vol. 1, No. 1, pp. 1-6, **MED2015J021**.
- Sumangal Chugh, Sourav Kant, Deepak Monga and Devendra Kumar Pathak (2015) 'Dehumidification of Indoor Air Using Integrated Solar Powered Evaporative Air Cooler', International Journal of Applied Engineering Research, Vol. 10, No. 78, pp. 208-212, **MED2015J022**.
- **Lalit Upadhayay and Prem Vrat** (2016) 'An ANP Based Selective Assembly Approach Incorporating Taguchi's Quality Loss Function to Improve Quality of Placements in Technical Institutions', The TQM Journal, Vol. 28, No. 1, pp. 112- 131, **MED2016J001**.
- Rakhi Nangia and **Neeraj Kumar Shukla** (2015) 'Roles and Responsibilities of Verification Language, Verification Methodology and Verification Tool for Design Verification of a DUT', Journal of VLSI Design Tools & Technology, Vol. 5, No. 3, pp. 1-8, **ECE2015J066**.
- Namrata and **Shaveta Arora** (2015) 'Exudates Detection From Digital Fundus Image of Diabetic Retinopathy', International Journal in Advances in Biology (IJAB), Vol. 2, No. 4, pp. 1-9, **ECE2015J067**.
- Pragya Sharma, Rakhi Nangia and **Neeraj Kumar Shukla** (2015) 'Hardware Optimization of FPGA for I2C Master Protocol and Interfacing with EEPROM Slave', Journal of VLSI Design Tools & Technology, Vol. 5, No. 2, pp. 42-48, **ECE2015J068**.
- Seep Sethi and **Neeraj Kumar Shukla** (2015) 'Automated Access backdoor for UVMReg Layer', Journal of VLSI Design Tools & Technology, Vol. 5, pp. 49-53, **ECE2015J069**.
- Munna Khan, **Sharda Vashisth**, Ritu Vijay and Ashok Salhan (2015) 'Computer Based Real Time Systems for Analyzing Cardiovascular Response to Orthostatic Stress', Institute of Biocybernetics and Biomedical Engineering, Vol. 35, No. 4, pp. 232-239, **ECE2015J070**.
- Sumit Ahlawat, Utsav Jain, Shwetang Kundu and **Prachi Sohoni** (2015) 'Effect of variation of curing temperature on self-compacting concrete', Journal of Structural Engineering and Management, Vol. 2, No. 3, pp. 41-45, **CEE2015J021**.
- **Purnima Bajpai** (2015) 'Applying FMEA & FTA technique to identify key risk elements associated with disasters and their inter-relationship', Journal of Advanced Research in Engineering & Management, Vol. 1, No. 7, pp. 9-16, **CEE2015J022**.
- **Purnima Bajpai** (2015) 'Cross Country R&D Performance Studies Using Data Envelopment Analysis', International Journal of science technology and management, Vol. 4, No. 1, pp. 45-49, **CEE2015J024**.
- Rupali Gupta, Shivam Aggarwal, Vaibhaw Vishal and **Vaishali Sahu** (2015) 'Soil Biotechnology to Treat Nazafgarh Drain Water Before Disposal Into River Yamuna', Civil engineering and Urban Planning: An International Journal, Vol. 2, No. 4, pp. 1-7, **CEE2015J025**.
- Bala, KS Rawat, **Anil Kumar Misra and Amit Srivastava** (2015) 'Vegetation Indices Mapping For Bhiwani District of Haryana (India) Through LANDSAT- 7ETM+ and Remote Sensing Techniques', Journal of Applied and Natural Science, Vol. 7, No. 2, pp. 874-8794, **CEE2015J026**.
- Niragi Dave, **Anil Kumar Misra, Amit Srivastava** and Surendra Kumar Kaushik (2015) 'Experimental Analysis of Strength and Durability Properties of Quaternary Cement Binder and Mortar', Construction and building materials (Elsevier), Vol. 107, pp. 117-124, **CEE2015J027**.
- AA Mogbademu, **Sunil Hans** and JA Adepujo (2015) 'Some Extensions and Generalizations of Enestrom-Kakeya Theorem', Journal of the Nigerian Mathematical Society, Vol. 34, pp. 243-248, **APS2015J020**.
- Vikas Poply, **Phool Singh and AK Yadav** (2015) 'A Study of Temperature-Dependent Fluid Properties on MHD Free Stream Flow and Heat Transfer Over A Non-Linearly Stretching Sheet', Procedia Engineering, Vol. 127, pp. 391-397, **APS2015J021**.
- **Hukum Singh, AK Yadav, Sunanda Vashisth and Kehar Singh** (2015) 'Optical Image Encryption Using Devils Toroidal Lens in the Fresnel Transform Domain', International Journal of Optics, Vol. 2015, pp. 1-13, **APS2015J022**.
- **Ashutosh Pandey**, Himanshu Pandey, Kamal Kishore Sahu (2015) 'A Displaced Probability Model for Child Mortality for Fixed Parity', International Journal of Science and Research, Vol. 4, No. 12, pp. 1681-1685, **APS2015J023**.
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- ❑ **Shilpa Mahajan, Jyoteesh Malhotra and Sandeep Sharma** (2015) 'Energy balanced optimum path determination based on graph theory for wireless sensor network', IET Wireless Sensor Systems, Vol. 5, No. 6, pp. 290-298, **CSE2015J059**.
- ❑ **Mehak Khurana and Meena Kumari** (2015) 'Variants of Differential and Linear Cryptanalysis', International Journal of Computer Applications, Vol. 131, No. 18, pp. 20-28, **CSE2015J060**.

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- ❑ **Karishma and Prem Vrat** (2015) 'SWOT Analysis of E-Waste Management in India', Industrial Engineering Journal, Vol. VIII, No. 10, pp. 27-39, **SOM2015J011**.
- ❑ **Irameet Kaur and Charu Shri** (2015) 'Effective teaching competencies- a compilation of changing expectations from students and institutions', Journal of Contemporary Research in Management, Vol. 10, No. 1, pp. 57, **SOM2015J012**.
- ❑ **Mandeep Kaur, Shilpa Sindhu and Vikas Mehra** (2015) 'Key Success Factors that Induce Entry in Indian Retail Sector - ISM Approach', Asia Pacific Marketing Review, Vol. 4, No. 1, pp. 45-58, **SOM2015J015**.

Conference Proceedings

International

- ❑ **Monica Verma, Kanika T Bhal and Prem Vrat** (2015) 'Gender Sensitive Practices for Enhancing Women's Satisfaction and Commitment in Indian Call Centres: The Mediating Role of Career Advancement', International Conference on Telecommunication Technology and Management, pp. 555-560, **SOM2015P006**.
- ❑ **Kamakshi Choudhary, Sumanlata Gautam and Latika Singh** (2015) 'Comparative study of pitch contour in mentally impaired', Third International Symposium on Women in Computing and Informatics, pp. 169-173, **CSE2015P028**.
- ❑ **Kavita Choudhary, Yogita Gigras, Shilpa and Payal Rani** (2015) 'Cuckoo Search in Test Case Generation and Conforming

Optimality using Firefly Algorithm', Proceedings of the Second International Conference on Computer and Communication Technologies, Advances in Intelligent Systems and Computing, pp. 781-791, **CSE2015P029**.

Conference Presentation

International

- ❑ **Anita Sharma, Swaran Ahuja and Moin-Uddin** (2015) 'Capacity of a Cognitive Radio Channel with Rayleigh Distribution in Presence of Noise and one Interfering Signal', International conference on Advances in Electrical, Power Control, Electronics and Communication Engineering(AEPCECE), Krishi Sanskriti, **ECE2015C004**.

National

- ❑ **Sunita Sharma** (2015) 'Z-Scan Measurement of Third Order Nonlinear Properties in Sol-Gel Derived Erbium Activated Aluminosilicate Samples', 3rd National Conference on Photonics and Materials Science, Guru Jambheshwar University of Science and Technology, Hisar, **APS2015C016**.
- ❑ **Hukum Singh, Deepika and Kehar Singh** (2015) 'Asymmetric Cryptosystem Based On Phase-Truncated in Gyrator Wavelet Transform Using Devil's Vortex Fresnel Lens Phase Masks', NCTP 2015, Malavya National Institute of Technology TPSI, **APS2015C017**.
- ❑ **Deepika, Hukum Singh, KS Rathore and NS Saxena** (2015) 'Study of Thermodynamics Properties of Se90Sb8In2 Glass', NCTP 2015, Malavya National Institute of Technology TPSI, **APS2015C018**.

Sports

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 Mech. Engineering defeated SOM team in the Finals on 22 January 2016 with a score of 5-4.



Judo Club

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. The Club was inaugurated on 23 November 2015.

Student Activities

- ❑ 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]



- ❑ Bhrgu Joshi, final year student of Civil Engineering plans to attend the NDE symposium on Smart Structures at Las Vegas, Nevada from 20-24 March 2016 where his paper has been accepted.
- ❑ 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.
- ❑ 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.

- ❑ 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."

Educational Trip to Goa

The Edu-Recreation Club at the University organized an educational-cum-recreational 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 types of water sports at Candolim beach. They were excited to experience the adventurous activities like jet skiing, parasailing, banana ride, and much more. The students also enjoyed shopping and bought souvenirs, local artifacts, and much more.

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



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

- 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 delivered a lecture on 'Operations Planning and Control' at IIT Delhi on 24 January 2016 as an Honorary Professor of IIT Delhi.
- Prof. Prem Vrat attended the Organizing Committee Meeting organized at Maharaja Surajmal Institute of Technology (MSIT), New Delhi on 31 January 2016.

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



Brig. SK Sharma
Pro Vice-Chancellor and
Senior Professor

- 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 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.

