ITM UNIVERSITY, GURGAON
NEWSLETTER

(For internal circulation only) Vol. 35 September 2014

ITMU Activities

University's Exceptional Architectural Design finds Accolades in International Magazine

The University adds one more feather to its cap when it was covered in the prestigious American Institute of Architects magazine.

The New Academic Block of the University, designed by Sabyasachi Sen & Associates (SSA) presents an excellent piece of architecture. The architects had to face many architectural challenges as the proposed site for the new block was a narrow strip of land immediately abutting and at right angles to the existing building. The new academic block had to be designed to reflect the University’s vision of the future without jarring and conflicting with the old one. The design team at SSA had to come up with an extremely innovative and unique solution to address these challenges.

The complete story, covered in American Institute of Architects magazine, can be accessed at: http://www.architectmagazine.com/projects/view/itm-university/5435/

Special Lecture Series

A Special Guest Lecture as a part of the Saturday Lecture Series initiated by our Vice-Chancellor, was held on 6 September 2014. It was delivered by Mr Karnal Singh, IPS, Special Director, Enforcement Directorate, New Delhi. The topic of his lecture was ‘Value Education’. Mr Karnal Singh quoted extensively from the ancient Indian scriptures and narrated anecdotes to illustrate how important it is to choose your values in life and the role values play in bringing out the best in man. He said that values never remain constant, but keep changing according to the situation and circumstances. New values are added all the time. To illustrate his point, he showed short video films, which effectively explained the point.

He also recounted incidents from his personal life to illustrate that if one has values and sticks to them, he will emerge victorious in the long run.

Mr Karnal Singh is a 1984 batch IPS officer, who has an excellent academic record and also has exemplary professional achievements to his credit. He was awarded the Police Medal for Meritorious Service on Independence Day, in 2002.

Teacher's Day Celebrations

Enthusiasm and festivity marked the Teacher's Day Celebrations in the University on 5 September 2014. All faculty members and admin staff assembled in the Auditorium to celebrate the occasion. The proceedings started with Ms Deepika Deswal, Dy Manager HR welcoming all teachers and eulogizing the teaching fraternity for having chosen this noble profession. The Hon’ble Vice-Chancellor, Prof. BS Panwar gave away the awards to the Star Performers from each Department. Awards were also given to Prof. Prem Vrat and Prof. BC Nakra for their outstanding contribution to the cause of education and in recognition of their efforts in bringing the University to a state where it can be counted amongst the top universities in the country.
The Star Performers from different departments acknowledged on this occasion were: Dr Ambika Sharma, Applied Sciences; Dr Rashmi Tyagi, Applied Sciences; Dr Anil K Misra, Civil & Environmental Engg.; Rita Chhikara, CSE & IT; Sharda Vashisth, EECE; Amanpreet Kaur, EECE; Shilpa Mahapatra, EECE, Vandana Khanna, EECE, Lalit Upadhayay, Mech. Engineering; Manoj K Gopaliya, Mech. Engineering; Ashwini K Sharma, Mech. Engineering; Archana Sarma, School of Law; Subhradipta Sarkar, School of Law; and Jaya Ahuja, School of Management. Speaking on the occasion, Prof. Panwar explained the origin of Teacher's Day and exhorted all teachers to inculcate the values as envisaged in the teachings of Dr S Radhakrishnan and Swami Vivekanand.

Les' Nouveaux, 2014

Colour, laughter, music and celebrations, were all one could spot on the occasion of Fresher's Party on 19 September 2014 at the University. It was the most happening and memorable experience for the newly inducted students of the University. Lively and entertaining cultural extravaganza comprising dance, fashion shows, melody, skits and energetic choreography was at display to welcome the new batch of about 850 students. The fresh batch put up an attractive and a stimulating fashion show by walking the ramp for the coveted Mr and Miss Fresher's title. Dressed to the nines, the girls and boys made a spectacular show. The contest, held in a number of rounds was keenly contested wherein the participants were judged on different parameters of talent, quirkiness, presentability and smartness. Mr and Miss ITM were crowned in a thrilling finale. Apart from these two titles, Mr and Miss Popular 2014 was introduced by the organizing Team Fresher's for the first time.

Speaking at the occasion, Prof. BS Panwar, Vice-Chancellor, said, “We welcome the new students to our esteemed organization. These young boys and girls are the future of our country and we can shape the future of our society by nourishing these young minds. During their stay here, we will ensure their overall development.”

Les' Nouveaux, 2014

Sahaj Yoga Classes started at University

Under an initiative of Dr Feras Al-Hakkak, Dept of Mechanical Engineering, the University started Sahaj Yoga classes for the faculty and staff of the University. These Yoga classes are being held every alternate Friday from 4 pm to 5 pm, starting from 26 September. The classes are open to all the faculty and staff members and are free.

Sahaj Yoga is a simple, easy and a good technique for achieving inner silence and stress management. It helps us have better concentration, study better, become prosperous, achieve more, be confident and enjoy every moment. It helps in how to achieve self-realization, meditate, and balance our systems.

News from the School of Engineering and Technology

Department of EECE

Departmental Activities

A research seminar on 'Multi-Modal Hand-Based Biometric System Using Multi-Resolution Hybrid Wavelets' was conducted by Dr Rekha Vig on 20 September 2014. A hand-based multimodal biometric system using fingerprints, palm-prints and finger-knuckle prints was explained where the features of each of the biometrics are extracted using a new multi-resolution hybrid wavelet which can be operated on images of any shape and size. These wavelets are generated by combining two or more existing orthogonal transforms. These wavelets can be further used in various applications like biomedical image analysis and compression, satellite image analysis, speech signal processing etc.

Guest Lectures

- The Department organized a guest lecture on 'OOPs & Randomization in System Verilog Verification' on 19 September 2014 presented by Ms Deepika Ahlawat, VLSI Design Engineer, Xinoe Systems (P) Ltd., Gurgaon. In the lecture, Ms Ahlawat covered the topics on basics of OOPs- static and global variables, ref declaration, class methods, object and handles, copying objects and public vs local. [ECE2014G016]

Initiative for Interaction of University Students with Overseas Faculty

A good step towards the betterment and exposure of our students to interact with faculty from across the world is being taken by our University. A team of globally renowned and expert speakers will be invited to guide the University students.

As a first step, an introductory session by Mert, Germany via skype on Unity3D was conducted, coordinated by Ms Kavita Choudhary and Ms Shilpa Mahajan of Department of CSE&IT. Mert has worked on virtual reality and interactive media installations.
A guest lecture on ‘Challenges & Recommendations for Custom Layouts at 20nm Process’ by Mr Animesh Tanwar was organized on 20 September 2014. Mr Animesh Tanwar is Sr Design Engineer at Cadence Design System, Noida. The topics covered in the lecture included features of Virtuoso advanced tool, micron rules for layout design and OrCAD EDA tool. [ECE2014G017]

A guest lecture on ‘Front End Mixed Signal Design’ by Mr Pulkit Bhatnagar, Sr Design Engineer, ST Microelectronics, Gr Noida was organized on 20 September 2014. Mr Bhatnagar delivered an edifying lecture covering topics on mixed signal designing, digital design flow, libraries, types of views (back end view, front end view, behaviour view), textual representation. [ECE2014G018]

Workshops Organized

A one-day workshop on ‘Latest Technologies used in Industrial Automation: PLC’ was conducted by the experts from Prolific Systems & Tech. Pvt. Ltd on 2 September 2014. The aim of the workshop was to give exposure to our students on automation projects using different PLC kits and their programming software. The workshop, attended by 20 students, included hands-on sessions and practical implementations. Ms Naresh Kumari, Ms Shaveta Arora and Mr Pradeep Rohilla coordinated the workshop. [ECE2014W012]

The Department organized a one-day workshop ‘Basics of Matlab’ under e-club for EECE students on 29 September 2014. The participants had hands-on experience on Matlab covering basic Matrix operations, 2D plotting, 3D plotting, logical functions etc. [ECE2014W013]

The Department organized a mock test for BTech final year students on 20 September 2014, to provide them the real environment of TCS placements. Various aptitude questions on the TCS pattern were covered in the mock test. Ms Sonal Tuteja, Ms Nisha Kharb and Mr Mohammad Islam with the support and guidance of Dr Latika Singh coordinated the event.

Workshops Attended

Dr Neeraj Kumar Shukla attended a workshop on Virtual labs organized by Ministry of Human Resource Development under National Mission on Education through ICT at Bharti School of telecom IIT Delhi on 6 September 2014. [ECE2014A020]

Ms Anjali Garg attended a seminar ‘Dassault systemes 3D experience forum 2014’ held on 10 September 2014 at The Leela, Gurgaon. The agenda for academia session included software details of Dassault Systems, followed by students’ innovative projects using the software. The seminar also highlighted the real time projects based on Electronics and Mechanical engineering using the software and its applications in other diverse fields. [ECE2014A021]

Department of CSE and IT

Departmental Activities

TCS Mock Test

The Department organized a mock test for BTech final year students on 20 September 2014, to provide them the real environment of TCS placements. Various aptitude questions on the TCS pattern were covered in the mock test. Ms Sonal Tuteja, Ms Nisha Kharb and Mr Mohammad Islam with the support and guidance of Dr Latika Singh coordinated the event.

Faculty Activities

Mr Mohammad Islam and Ms Jyotika Pruthi attended a National Symposium on ‘Artificial Intelligence: Applications in Medical Science’ in AIIMS, New Delhi from 23-24 August 2014 which included talks by faculty from IIT Kanpur, ISI Kolkata and renowned doctors of AIIMS. They showed the various techniques of blending computer science with medical science. [CSE2014A018]

Ms Jyotika Pruthi, represented the Delhi Zone in the final round of South Asia Regional Finals, organized by Institution of Engineering and Technology, United Kingdom (IET UK) as one of the seven finalists. The event took place at IIT Delhi on 6 September and was judged by director of DMRC, professors of IIT Delhi and Director of Amity University, Noida.

Ms Pruthi had earlier won the Present Around the World (PATW) competition for the Northern Region organized by IET, UK on 19 April 2014 to qualify for the Finals. [CSE2014A019]

**Department of Mechanical Engineering**

**Workshops attended**
- Mr Pradeep Rohilla participated in a one-day workshop on 'Latest Technologies used in Industrial Automation PLC for Electrical and Mechanical Systems' on 2 September 2014 at ITM University, Gurgaon. [MED2014A003]
- Mr Ashwini Sharma attended a five-day faculty development programme-cum-workshop, 'Faculty Enablement through Avant-Garde Technology - FEAT 2014' at 3D PLM software, Pune from 1-5 September 2014. [MED2014A004]

**Industry Interaction**
- Prof. Ravindra Ojha and Mr Lalit Upadhayay visited Ms Federal Mogul Pvt. Ltd. on 24 September 2014 along with three BTech final year students. They had interactions with officials of the company regarding industry project related activities. [MED2014V017]

**Faculty Activities**
- On 13 September 2014, Prof. Prem Vrat and Mr Lalit Upadhayay were given 'Best case study award (non-traditional area)' by the National Council of Indian Institution of Industrial Engineering (IIIE) for their research paper 'Quality Paradox in Technical Education in India: An Empirical Study', published in Vol. VI, Issue No. 05 of Industrial Engineering Journal in May 2013. [MED2014O004]

**Department of Civil and Environmental Engineering**

**Guest Lecture**
- Under the initiative of Ms Purnima Bajpai, the Department organized a guest lecture 'Design of flyovers in Delhi and their importance in the development of the country's infrastructure' on 15 September 2014 for the 5th Semester students. The lecture by Mr Sarvagya Kr Srivastava, Chief Engineer with Public Works Department, Govt. of Delhi, was highly inspiring for the students and helped them understand the technicalities of the construction of flyovers undertaken during the Commonwealth games and also some structural failures that occurred during that period. He also guided the students for higher studies and preparation for engineering services examinations. [CEE2014G010]

**Industrial Visits**
- An industrial visit to the 66 million gallons per day (MGD) Water Treatment Plant in Chandhu Budhara, Gurgaon was organized for 3rd Year Civil Engineering students on 19 September 2014. The visit was initiated by Ms Vaishali Sahu, which gave the students an opportunity to learn the various processes involved in water treatment and the construction knowledge of the site as third phase of the treatment plant was under construction. They were able to see the various slopes provided in the structure which are not visible once they are operational. They were accompanied by Ms Vaishali Sahu and Mr Lokesh Choudhary. [CEE2014V005]

- Initiated by Ms Purnima Bajpai, the Department organized an industrial visit to M/s Unitech Limited Project, Uniworld Garden-II, near Subhash Chowk, Gurgaon for 50 students of Civil Engineering, 3rd Semester on 12 September 2014. The students were accompanied by Ms Garima Srivastava, Mr Rohit Poyil and Mr Rajpal Singh. The visit was a learning experience as it was the first industrial experience for the 3rd semester students as they could actually have a visual experience of what they studied in building construction and building drawing courses. The students got hands-on experience of the field work. [CEE2014V004]

**Alumni Interaction**
- Under the initiative of Prof. S Krishnamoorthi and Mr Ankit Pachouri, the Department organized an alumni interaction on 17 September 2014, for the final year students with Mr Rahul Mehta, Assistant Manager, Larsen & Toubro Construction. Mr Mehta is an alumnus of the first batch of Civil Engineering (2007-2011) and had been a consistent star performer in L&T Construction for the past three years. The session was highly inspiring for the students and helped them understand the technicalities of the construction industry. Mr Mehta enlightened the students about the importance of classroom study and its applicability in the field. He later guided the students for higher studies and engineering services. [CEE2014AL004]

- Under the initiative of Ms Vaishali Sahu, an interactive session on 'Importance of summer training in a good organization' was organized for 5th Semester Civil Engineering students on 18 September 2014, with one of our alumni, Mr Aashish Bhardwaj (2009-2013 batch). Mr Bhardwaj is working as Engineer-
Dr Subrata Ghoshal has joined the Department as Professor on 15 September 2014. He holds a PhD degree from IIT Bombay in the area of off-shore structures. His areas of interest include structural engineering, embedded systems, artificial intelligence and robotics.

Department of Applied Sciences

Departmental Activities

Guest Lectures

- Physics is the science of figuring out how things work, while engineering is the practice of making things that work. Engineering students should not only be aware that physics has direct applications to engineering, but also that the problem solving and thinking skills developed through learning physics are the same skills they will need to use in their profession as an engineer. Padam Shree Professor KL Chopra, former Director IIT Kharagpur and Distinguished Research Prof. of ITM University, delivered a lecture on 'Why Physics for Engineers' on 19 September 2014 at the University. The lecture was organized by Dr Ambika Sharma for all first year students of School of Engineering. After the lecture, the students had a fruitful discussion with Prof. Chopra on various aspects of Physics and Engineering. [CLL2014F001]

- Mr Paritosh Tyagi, former Chairman of Central Pollution Control Board, visited the University thrice in September and delivered lectures on various fields relating to 'Environmental law and management' under the AICTE-INAE Distinguished Professorship Scheme. The BTech students of various disciplines attended the talks and greatly appreciated its usefulness in the engineering curriculum. [APS2014G009,APS2014G010,APS2014G012]

Workshop Organized

A workshop on 'Computational Software Scilab' was organized on 30 August 2014. The workshop was aimed to provide a broad overview of the basic concepts, operational algorithms and recent theories related to Scilab and Numerical Methods. The objective was to give a working knowledge of Scilab to the students of Science and Engineering. The speakers for the workshop were Dr Phool Singh and Dr Sunil Hans from Dept of Applied Sciences. 25 students from first and second year participated in the workshop. [APS2014W003]

Faculty Activities

Dr Sunita Sharma presented a research proposal entitled ‘Quantum dot sensitized solar cells with improved efficiencies’ in Accelerators User Committee (AUC-56) meeting at Inter-University Accelerator Centre (IUAC-Formerly Nuclear Science Centre), New Delhi. The paper has been accepted for utilization of low energy ion beam facility at the Centre. The characterization facility of IUAC can be accessed by Dr Sharma for her research work on Quantum dot based solar cells. This work will be done in collaboration with Dr Fouran Singh, Scientist-F, IUAC, New Delhi.

Centre for Languages Learning

Departmental Activities

Faculty Development Programme on Communication Skills

A Faculty Development Programme on Communication Skills was organized on 20 September 2014. The FDP was attended by 18 faculty members from the three Schools of the University. The objective of the FDP was to strengthen the speaking skills of members of faculty and to help them attain mastery over the linguistic aspects of vocabulary, pronunciation and articulation required for effective teaching. The FDP started with an overview and introductory talk by Dr Divyabha. The facilitators of the sessions for the day were Ms Prerna Chauhan and Ms Praneet Kaur. A series of sessions is planned to be conducted on subsequent working Saturdays that shall include broad range of related activities. [CLL2014F001]

Debate Competition

‘Abhivyakt’, the Speech and Debating Club under CLL, organized a debate competition for the students of School of Engineering and Technology on 12 September 2014. The topic of the debate was ‘A high paying career with an MNC is a doorway to quality life’. Prof. Ravindra Ojha, Director SOET, Dr AK Vij, Head SOM and Dr Shrutimita Mehta, Head CLL and Deputy Dean (Students) graced the occasion as Chief Guests of the event. The judges panel consisted of Ms Sagarika Goswami and Dr Divyabha. The event got a very encouraging response with 24 participants from various branches of SOET. Akshat Mathur, with his impeccable debating skills was adjudged the winner of the competition followed by Sahil Bansal who stood second.
News from the School of Management

Guest Lectures
School of Management organized an expert lecture on ‘Current trends in Business Analytics and Big Data’ by Mr Vinay Verma, Head of Visual Analytics for North and East region, SAS Institute (India) Pvt. Ltd. on 16 September 2014. The lecture attracted a warm response from all the three Schools, with about 100 enthusiastic students and faculty members attending the session. The participants highly appreciated the lecture for its contemporary relevance. The expert lecture revolved around the role of business analytics in global business with special reference to visual analytics, big data and tools and technologies available for analytics. It gave directions and motivation to students to be a part of Big Data & Analytics Industry. The speaker highlighted the current and future adaptation and trends of visual analytics. The event was coordinated by Dr Himanshu Choudhary.

Faculty Activities
- The Supreme Court, in the case of Shatrughan Chauhan vs Union of India, commuted death sentences of 15 death convicts to life sentence. In this connection, the Law Commission asked the Law Schools to contribute their views on abolishing the death penalty. Our School of Law incorporated its version of abolishing of death penalty and submitted the report to the Law Commission, where faculty joined hands with the student research scholars to frame the same for the incorporation of the attribute of ‘death penalty’.

News from the School of Law

Guest Lectures
- On 24 September 2014, Mr Ramesh Kumar Mehta delivered a special lecture on varied aspects of the present day patent regime. He enlightened the students on the general understanding of the patents. He distinguished the process and the product patents throwing light upon the significance of section 3(d) of the Patents Act and discussed the landmark judgment of Novartis vs Union of India.

News from the School of Professional Attachment (SPA)
- September started on a good note for 24 students of the University, as they received the welcome aboard kits from Deloitte Consultancy on 1 September 2014. The partner of Deloitte, who flew from US to be a part of an on-campus drive at our University mentioned at the...
end that all the students are good; however they have limitations of intake. The drive started early in the morning and ended late in the night with a note of thanks from the selected students.

Mr Matt Marsh, Co-lead US India Advisory addressing our students

- Tata Consultancy Services gratified the hearts of UG and PG students with a very arousing pre-placement talk on 26 September followed by an online test. 231 students were shortlisted after online test and on the second day of the drive, an excellent number of 112 students got placement calls from TCS for 2015.

- SPA’s volunteer club Aarohan organized ‘Prastuti-2’, the powerpoint presentation competition which got students from all the Schools of University under one umbrella to show their presentation skills. In the first round 24 teams participated from across the Schools, out of which 14 moved to the next round.

- With the addition of BBA-LLB for year 2015, Director SPA, Mr BK Gupta has ensured to interact with every student and conducted mock interviews for them. The same pattern has been followed for MBA students to conduct pre-placement interviews.

- Newgen Software Technologies, one of the leading companies in various domains, visited the University for on-campus placement drive. Students were pleased to listen to 2013 alumna, Ms Tushti Naryani. She shared her impression about the organization and its culture, and addressed the queries of students regarding placements.

Outreach Activities of Distinguished Faculty

Professor Kehar Singh, Honorary Distinguished Research Professor visited IIT Patna on 26 September 2014 as Chairman of Planning Committee of the DST. He held consultations with some of the resource persons to plan for a 3-week long SERC winter school on ‘Frontiers of Modern optics’ in 2015 at IIT Patna. In this connection, Prof. Singh held consultations to finalize the number of participants, course contents of lectures, laboratory experiments/demonstrations, lists of invited speakers, and other modalities.

Student Activities

- Noble Robinson and Nitesh Jain, students of BBA LLB (Hons) 2nd year have been presented with Verbal Mention award in the Delhi IIT-AISEC Model United Nations (MUN) which was held in New Delhi Institute of Management (NDIM). Noble and Nitesh were representing People’s Republic of China and The Islamic State of Iraq respectively, in the MUN.

- Vasundhra, PhD (Law) student, pursuing PhD on ‘Institutional Care a Violation of Human Rights of Children: An Indian Perspective’ gave a presentation on ‘Starting foster care in India: A sustainable and strategic approach’ at International Foster Care Organisation, European 2014 Conference, held from 26-29 August at Waterford Institute of Technology, Ireland.

The presentation was intended to present current situation of India on issues like abuse, child labour, trafficking, street children, the laws pertaining to children and the need to start foster care in India.

- Five BTech student projects duly completed by Department of Mechanical Engineering and funded by Ministry of MSME were published online at the MSME site.
Ms Dhvanik Miglani (10ITU019) student of BTech (IT programme Batch 2010-14) has gone to study at ITB, Dublin, Ireland in MSc in Computing (Information Security & Digital Forensics) under the MOU of ITMU-ITB Collaboration. She is availing 50% fee concession at ITB, Ireland.

The University wishes her a pleasant stay and a great success there.

Sports

The University’s Inter-Department Sports Tournaments for the session 2014-15 witnessed warm response from the players and the spectators as well. The competitions for Volleyball were held from 25-29 August 2014 while Basketball matches were held from 15-19 September. Teams from different departments participated in the tournament with full enthusiasm and presented an excellent show of competitive sports.

The results were as follows:

<table>
<thead>
<tr>
<th>Events</th>
<th>Boys</th>
<th>Girls</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Winners</td>
<td>Runners up</td>
</tr>
<tr>
<td>Volleyball</td>
<td>Civil</td>
<td>CSE</td>
</tr>
<tr>
<td>Basketball</td>
<td>SOL</td>
<td>CSE</td>
</tr>
</tbody>
</table>

Employees of the Month

The University is pleased to announce the following Employees of the Month (August) for putting in the longest working hours in their respective departments.

Dr Sangita Choudhary
Assistant Professor
School of Management

Mr Pawan Kumar
Sr Executive Asst.
(Admin)

Mr Gurminder Singh
Sr Tech Asst.
Dept of EECE

Outreach Activities of Professor Prem Vrat,
Pro-Chancellor and Professor of Eminence

- Prof. Prem Vrat attended the National Seminar on ‘Restructuring Higher Education in India- Issues and Strategies’ at Amity University Gurgaon on 30 August 2014.

- Prof. Prem Vrat delivering a talk at the seminar on Higher Education

- Prof. Prem Vrat attended an EDU Summit at Confederation of Indian Industry (CII) at Chandigarh on 1 September 2014. The focus of the summit was on vocational training.

- Prof. Prem Vrat attended the Board Meeting of Air India as an Independent Director at New Delhi on 2 September 2014.

- Prof. Prem Vrat was invited as Chief Guest at the Valedictory Function of the 56th National Convention of Indian Institution of Industrial Engineering (IIIE) on 13 September 2014 at Vizag Steel Plant, Visakhapatnam, Andhra Pradesh.

- Prof. Prem Vrat and Mr Lalit Upadhyay received a medal and citation each for their Best case study paper in non-traditional area, published in May 2014 issue of Industrial Engg. Journal. The award was conferred on them during 56th National Convention of IIIE held at Visakhapatnam during valedictory session on 13 September 2014.

- Prof. Prem Vrat has been appointed Honorary Advisor of Eminence – Education Sector by American Society for Quality (ASQ-India). He visited ASQ-India on 23 September 2014 and was also interviewed by ASQ TV for his views on quality in higher education.

- Prof. Prem Vrat attended the National Advisory Board meeting of SPIC MACAY chaired by Dr Karan Singh on 25 September 2014 at IIC, New Delhi. ITMU, Gurgaon has been identified by SPIC MACAY as the hub for Gurgaon based higher education institutions.