Vice-Chancellor, Professor BS Panwar's Vision for ITM University

The Vice-Chancellor, Professor BS Panwar, shared his Vision ‘High-Tech and High Touch Approach.’ with the faculty and staff on 02 June 2014. He stated that he would endeavour to transform the University into a home for innovation, that serves mankind by knowledge gained through education. He stressed that ‘ITMU would innovate’ to achieve excellence in teaching and research, and transform students to be better human beings.

Prof. Panwar's vision of achieving excellence in education rests on building a strong character and inculcating ethos in the students. He quoted Albert Einstein, “Many people say that it is the intellect which makes a great scientist. They are wrong: it is character.” He stated that education should create ‘human’ and ‘character’. He believes in the philosophy of Swami Vivekananda, “If you learn four or five good thoughts and try to inculcate them in you, your education would be better than learning by heart a whole library.”

Prof. Panwar spoke about our country’s rich cultural heritage and its ‘gurus’ or educationists who were always held in high esteem and who believed in academic excellence supplemented by values, culture, principles, honesty, character, perseverance, commitment etc. We should be proud of our country’s traditions and carry them forward by trying to achieve excellence in education without compromising our values and integrity.

The Vice-Chancellor said that he would strive to ensure that the multidisciplinary nature of the University meets international standards in teaching and research but above all ensure that its students are good human beings, responsible citizens, who work for the betterment of society making it a ‘High Tech with High Touch’ approach.

Free and Open Source Software (FOSS)

With a view to exploring the feasibility of using open source software available in the market, a group called Free and Open Source Software (FOSS) was formed in the University on 29 April 2014. The Group has been tasked to collect data about the software used in different departments and to find FOSS alternatives for the proprietary software currently being used for teaching and research purposes.

The group will verify the suitability and feasibility of replacing the proprietary software currently in use with such open source software. The group presently consists of members from Departments of CSE & IT only, which makes it difficult to assess the functionality of software being used in other Departments.

All other departments will be nominating at least two members, one faculty and one technical staff from their Department, who would coordinate with the team of FOSS group members to try the software in the repository and give valuable suggestions for improving and updating the same.

Best BTech Project Awards

Mr Manoj Kumar Gopaliya, Dy Dean Academics, participated in a talk show on IBN 7 Channel, on 20 Jun 2014, which was live on air from 02:30 PM to 03:00 PM.

The show, named “Campus Calling” was a question answer session for clarifying doubts of 10+2 students related to admissions specifically about...
Centre for Languages Learning organized an ICT-based Programme on 'Communication Skills' Module IV (Instructional Planning and Delivery) from 23 – 27 June 2014 in the University. The event was inaugurated by Ms Shrutimita Mehta, HOD, CLL.

The programme was conducted by National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh, which has been offering faculty training programmes in a wide variety of areas to train teachers with the view to propagate ICT skills and improve quality of education through Induction Training Programmes. ITMU is the remote centre for Short Term Courses from NITTTR Chandigarh for which Ms Jyotika Pruthi, Dept of CSE & IT, is the local coordinator.

The course on Communication Skills was conducted through video conferencing. The course was attended by faculty members from all the three Schools of the University and CLL, and Sr Editor. The programme was coordinated by Ms Sagarika Goswami and Ms Prerna Chauhan, both from CLL.

The conference was inaugurated by Prof. MM Chawla, Fellow INSA and Former Head Mathematics, IIT Delhi. Prof. Chawla highlighted the importance of including Financial Mathematics in the curriculum in the wake of globalized economies, as there are a large number of jobs available in this field.

Speaking at the occasion, Prof. Prem Vrat, Pro-Chancellor, stressed on the need for interdisciplinary research, by involving engineering and management researchers and practitioners. Prof. BS Panwar, Vice-Chancellor, motivated young researchers with his inspiring talk.

The Conference Proceedings and the Book of Abstracts were released by the dignitaries on this occasion.

The technical session commenced with, Professor AK Yadav, HOD, Department of Applied Sciences, welcomed the delegates and participants and acknowledged the contribution of the sponsors, in particular, National Board for Higher Mathematics (NBHM), Department of Science and Technology (DST), and Council of Scientific and Industrial Research (CSIR), Govt. of India.

The conference covered 11 technical sessions, each having a keynote presentation by an eminent mathematician like Prof. Karmeshu, Jawaharlal Nehru University, New Delhi; Prof. Suresh Chandra, IIT Delhi; Prof. PG Siddheshwar, Bangalore University; Prof. SK Tomar, Panjab University; and Prof. Roziani Roslan from Malaysia.

The Chief Guest for the Valedictory function was Dr. D. Kanjilal, Director, Inter University Accelerator Centre, New Delhi who gave away the certificates to the delegates and participants.

On the sidelines of the quarterly Faculty-Mentor meeting held on 1 May 2014, Padma Shree Professor MS Sodha, a mentor in the Department of Applied Sciences, ITM University, shared his views on the importance of studying Physics for engineers and on the topical relevance of MTech (Energy and Environment). Prof. Sodha gave a glimpse into these issues during an interaction with Ms Rekha Mathur, Sr Editor and Asst. Prof. Divya Agarwal of APS. Prof. Sodha emphasised the
Tete-a-tete with Swati Seghal

his new assignment and future endeavours.

Swati Seghal, studying in Institute of Technology Blanchardstown (ITB), Dublin, Ireland, under a 3+1 Student Exchange Programme, visited ITM University in early June and shared her experiences in conversation with Ms Rekha Mathur, Sr Editor, ITMU.

What project did you take up at ITB? Share your experiences.

Final Year Project at ITB was Android Remote Operated Webcam developed using Linux-based board called Beaglebone aimed at designing a system that allows the remote operation pan-and-tilt via an Android handset/tablet. Using the accelerometer in the handset/tablet the operator is able to direct the camera to the desired position by rotating or tilting the handset/tablet while running a customized app. The video stream from the webcam is displayed on the handset/tablet. The webcam system being Wi-Fi enabled can be in any location and operated remotely.

The project was one of the biggest challenges I had ever encountered in my life. It put me under a lot of pressure because not only were there 15 credits at stake (unlike other modules that have around 5 credits). While the programme at ITM is BTech in Computer Science, students at ITB pursue a Bachelor of Engineering Hons course in Computer Engineering. ITB students who had been studying this course since their first year had a very good foundation whereas I had to catch up a lot. What they had learnt in their three years of study, I had to learn within a few months. But, because of the guidance of my course coordinator, Benjamin Toland, I was able to complete this project successfully.

Comment on the faculty at ITB.

Faculty members at ITB try their best to make it conducive for the students to gain knowledge and appreciate and motivate students who want to learn. They are organized and plan their course well in advance. A well-defined break up of all the modules is usually given in the first class itself. The final grade, of the courses, is a combination of CA (Continuous Assessment - which is equivalent to the internal assessment in ITM) and an end of the term exam. However, there are modules which have 100% CA!! The CA basically consists of Class Tests and Labs and that’s where the professor plays a very vital role. The professors are available 24X7 through email and are also happy to provide personal doubt sessions. Professors at ITB provide a perfect environment to gain knowledge and skills that are needed in the current day market.

The most memorable time you had at ITB.

One of the most memorable moments I had at ITB was when I met the Prime Minister of Ireland, Mr Enda Kenny, when I was facilitated for getting the Government of Ireland Scholarship.

What are your future plans for higher study and future growth?

I have been accepted by the Trinity College Dublin and UCD which are the two best colleges in Ireland for postgraduate courses. I have also given a
Hon’ble Vice-Chancellor, Prof. BS Panwar has started a new initiative of special lecture series for faculty members by eminent scholars from different domains. The expert talks be delivered by invited experts from outside as well as our senior faculty members on various topics, on every working Saturday. These sessions will be advantageous to all the faculty members who will be benefited from the expertise and experience of the speakers.

The noteworthy series witnessed its first lecture on 21 June 2014, by Prof. SK Jain, former Chief Scientist, NPL, New Delhi, who has recently joined Department of Applied Sciences as Professor. Prof. Jain enlightened the audience on the topic, ‘Metrology Science and Measurement Standards of Force Related Quantities’. He gave general information about international system of measurements and a brief description of base SI units, the new SI units, derived units, the structure of international metrology organizations, mutual recognition arrangement (MRA), etc. He also presented the national measurement standards and their dissemination down to the user level in industry, or otherwise, for measurement traceability of their reference standards as required under NABL accreditation guidelines within the framework of metrology of force related quantities.

**Ranking & Awards**

- **Outlook Engineering Colleges Handbook Jun 2014**
  - Composite Ranking 47 All India
- **TOI - Times Engineering Institutes Survey Jun 2014**
  - Ranked 59 All India
  - Ranked 23 Private Engineering Institute in India
- **India Today – India’s Best Colleges Survey 2014**
  - Ranked in Top 10 Emerging Engineering Colleges
- **Competition Success Review (CSR)-GHRDC Survey - Jun 2014**
  - Ranked 1 Engineering University/Institute In Haryana
  - Ranked 9 Emerging Engineering Colleges of Super Excellence in India
  - Ranked 10 out of 116 Private Engineering Colleges in India
- **Business & Management Chronicle Private Professional Colleges Survey Mar 2014**
  - No 1 Institute for Management in Delhi /NCR
  - No 1 Institute for Engineering in Delhi /NCR
- **eGov.engineeringwatch.in**

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**Special Lecture Series initiated for faculty of the University**

If given a chance to change three things in ITM University, what would you like to change and why?

- More weightage to practicals than theory.
- More focus on project work - both Individual and group.
- More educational trips so that students can have an idea about the skills required in the industry.

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**Accomplishment of Pawan Kumar Arora**

Mr Pawan Kumar Arora, Senior Executive Assistant (to Governing Body), successfully completed the online course of ‘Data Scientist’s Toolbox’ with 87% marks, offered by Johns Hopkins University at Coursera, an educational technology company offering Massive Open Online Courses (MOOCs).

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Department of EECE

**Workshop attended**

- Ms Shaveta Arora and Ms Amanpreet Kaur attended Engineering and Science Innovation Summit organized by National Instruments on 4 June 2014 at Hotel Park Inn, Gurgaon. Highlights of the summit were upcoming trends in engineering education and one platform infinite solutions for data acquisition, signal processing and electronic circuits education. [ECE2014A014]

**Industrial Visit**

- An industrial visit was organized for BTech ECE 6th Semester students at Location Labs, Gurgaon complex on 2 May 2014, coordinated by Mr Anil Kumar Nigam. The visit comprised technical presentations to the students followed by campus visit. The topics covered were mobile communication and mobile security. [ECE2014V015]

**Department of CSE and IT**

**Departmental activities**

- The Department organized a short term course on ‘Computer Networking with CCNA’ from 19-23 May 2014 which was conducted by NITTTR, Chandigarh and was telecast direct in the University through web conferencing covering the practical sessions as well.
NITTTR, Chandigarh offers faculty training programmes in a wide variety of areas to train teachers with a view to propagate ICT skills among them through Induction Training Programmes in order to improve quality of technical education.

There were 27 participants who took part in the programme, including a participant from Delhi Technological University (DTU) who specially appreciated the University for carrying out the event in a very systematic and organized manner. The event was inaugurated by the Programme Coordinator, Dr Latika Singh and the local faculty coordinators were Ms Jyotika Pruthi and Ms Shilpy Agrawal. [CSE2014A014]

Dr CR Prasad, BE, MBA, DSc (hc), FNAE, FIE, FIME, MAIMA, Former Chairman & Managing Director of Gas Authority of India Ltd., visited Dept. of Mechanical Engineering on 31 May 2014. He interacted with faculty members and shared valuable information from his rich experience. [MED2014G007]

Dr CR Prasad in an interactive session with faculty of Dept of Mechanical Engineering

PhD Awarded

- Mr Prahlad Singh, Associate Professor has been awarded PhD from IIT Delhi on the topic ‘Thermal Analysis of Lubricating Film Formation in Inlet Zone in Cold Rolling of Metallic Strips’ on 11 June 2014.

Faculty Activity

- Dr Prahlad Singh and Mr Ashwini Sharma were allotted two students of Mechanical Engineering for summer school training being conducted at the University. [MED2014O002]

New Faculty on Board

- Dr Ferras Hakkak and Ms Rashi Kaur have joined the Department as Assistant Professor.

Department of Mechanical Engineering

Guest Lectures

- Mr Rohit Lather delivered an expert lecture on ‘Advance Internal Combustion Engine Technology’ at Summer Internship and International Student Design Challenge (ISDC) – 2014 on 20 June 2014. The event was organized by Expert Hub at IMS Ghaziabad. [MED2014I003]

- Mr Ashwini Sharma delivered a session on ‘Engineering- A Career Option’ in internship programme for the students of Salwaan Public School conducted at ITM University on 30 May 2014. [MED2014I002]

Mr Ashwini Sharma delivered a session on ‘Engineering- A Career Option’ in internship programme for the students of Salwaan Public School conducted at ITM University on 30 May 2014.

Internship programme on Engineering - A Career Option

Department of Applied Sciences

PhD thesis submitted by Ms Aditya Sharma

Ms Aditya Sharma submitted her PhD thesis entitled, ‘Quantum Dots Based Biosensors for Cancer Detection’ on 9 June 2014 at IIT Delhi for the award of the degree of Doctor of Philosophy in Chemistry. She pursued her research work under the guidance and supervision of Dr Sameer Sapra, Associate Professor, IIT Delhi; Dr BD Malhotra, Professor, Delhi Technological University and Ex-Chief Scientist & Head, Biomedical Instrumentation Section, NPL; and Dr Gajjala Sumana, Senior Scientist, NPL.

News from the School of Management

The School of Management organized a two-day workshop on ‘Interpretive Structural Modeling and System Dynamics’ on 25 and 26 April 2014, to...
generate awareness among the research scholars and professionals regarding advanced systems and modeling methodologies. Academicians, research scholars and students from the University and other institutions actively participated and benefited from this workshop. [SOM2014W002]

News from the School of Law

Workshop Attended

- Prof. S. Shanthakumar, Director, SOL, was invited to participate at the One Day Brainstorming Workshop on Evolving a Strategic Blueprint to Enable India, Negotiate the 2015 Climate Change Agreement jointly organized by Ministry of Environment & Forest, Govt. of India & National Law School of India University, Bangalore on 29 May 2014 at the Habitat Centre, New Delhi.

- Mr Subhradipta Sarkar, Assistant Professor, SOL, was invited to participate at the One Day Brainstorming Workshop on Evolving a Strategic Blueprint to Enable India, Negotiate the 2015 Climate Change Agreement jointly organized by Ministry of Environment & Forest, Govt. of India & National Law School of India University, Bangalore on 29 May 2014 at the Habitat Centre, New Delhi.

News from the School of Professional Attachment (SPA)

The University experienced an excellent placement session for the students of 2014 batch and is still keeping the process on, for covering a wider cross-section of industries for the benefit of students. Opportunities were provided to qualified students in renowned organizations like DCM Data services Pvt. Ltd., Flovel, Info Edge, S&P Captital etc.

- Meghratna Consultancy Private Limited, an engineering consulting firm based in Kolkata with a branch office in Delhi, visited the University for a campus placement drive. The Managing Director was impressed with the state-of-the-art infrastructure of the University. Also, the general discipline level of our University made a great impact on him and his team. After a full day campus process, three students were shortlisted.

- Prestigious organizations operating in the domain of information technology, who had earlier carried out a campus placement drive at the University and selected our students, have rolled out additional offer letters to our students for urgent positions in a very fast track process. Three fortunate students received offers from Newgen Software Technologies and two from Nagarro Software Pvt Ltd, raising the banner of our University.

- GCell Technologies, a company owned by our alumnus Mr Gaurav Garg, carried out campus placement drive at the University. Mr Garg was highly impressed with the quality of students and the developments at the University. He plans to take our shortlisted students progressively, as per project requirement. One student has been made an offer to join forthwith.

- Organizations like Secure Meters and Alcatel Lucent, have offered their open positions to our engineering students. Sagacious research, a start-up research firm in Gurgaon, has shared requirements for their Human Resource Department. Medley India, a three decade old company has joined our University for placement of CSE/IT/ECE students.

- Summer internship in industries was arranged for students to gain real life work experience. Projects have been identified by the students in consultation with their industry guides and a regular feedback shall be obtained to monitor their progress.

Research Papers Published

Journal Publications


7. Ravindra Ojha (ITMU), Mansoor Anwar (GKN), and Rajeev Dogra (GKN), 'Variable earning for workmen in a volatile demand...

Conference Proceedings

Research Papers Presented
Conference Papers Presented

Dean’s List of Students
PG Course
School of Engineering & Technology
- Tanuja Singh
- Shivani Garg
- Devi Sivaraman
- Kanika Bhutani
- Renu
- Rakhi Mittal
- Priyanka Jain
- Panki Brar

School of Management
- Ekta Bansal
- Sumedha Bansal
- Rishika Singhal

School of Engineering & Technology
- Divya Bajaj
- Kunal Arora
- Richa Kumar
- Sankalp Chawla
- Sukrit Sharma
- Nidhi Manchanda
- Abhishek Jain
- Akash Sheoran
- Aishwarya Basotia
- Shubham Ahuja
- Jitesh
- Siddharth Rana
- Manish Kaul
- Richa Kumar
- Mayank Jain
- Neharika Kapil
- Suyash Abhay Ghirnikar
- Nidhi Manchanda
- Balram Sharma
- Harman Singh Ahluwalia
- Ruchi Khatri
- Dheeraj Duhan

School of Law
- Himangshu Rathee
- Nitish Jain
- Anubha Yadav
- Gabriella Ruhil

School of Management
- Vanshika Jain
- Mannu Bansal
- Vimal Dahiya
- Rishabh Chaudhary
- Jaspree Kaur

Employees of the Month
- Dr Hukum Singh
  Asst. Professor (Sel. Grade) (APS)
- Mr Sanjeev Kumar
  Security Officer (Admin)
- Mr Rajesh Yadav
  Lab Engineer (EECE)

The University is pleased to announce the following Employees of the Month for their overall commitment in putting in the longest working hours in their respective departments.
Prof. Prem Vrat was invited by Recruitment & Assessment Centre (RAC) of DRDO, Timarpur, New Delhi to attend the following meetings:

- Peer Committee meeting on 11 June 2014, for assessing suitability of Scientist ‘F’ & Scientist ‘G’ of DRDS Scientists for promotion to the next higher grade and for conferring the grade of Distinguished Scientist.
- Screening Committee meeting on 12 June 2014, for taking decision about Fellowship Award.
- Post assessment debriefing meeting on 14 June 2014.

Prof. Prem Vrat attended the meeting in Delhi Technical University (DTU) for ‘Appointment to the post of Vice-Chancellor, Delhi Technical University,’ on 18 June 2014.

“Teaching should be such that what is offered is perceived as a valuable gift and not as hard duty. Never regard study as duty but as the enviable opportunity to learn to know the liberating influence of beauty in the realm of the spirit for your own personal joy and to the profit of the community to which your later work belongs.”

— Albert Einstein