Special Lecture by Dr Puneet Agarwal

Dr Puneet Agarwal, Principal Consultant & Head of Unit - Neurology Department at Max Super Specialty Hospital Saket, New Delhi visited the University on 3 January 2015 to deliver a special lecture to our faculty members on the topic 'Signal Processing Techniques in Brain Wave Signal Analysis'. Dr Agarwal explained the structure of brain and the different parts responsible for different types of functioning. He explained that human brain has evolved through various stages since the evolution of mankind and only about 4-5% of the brain is utilized. He also explained about the various chemicals utilized by brain for processing different types of signals. With the help of videos and powerpoint presentations, he made it clear to the audience that visual impulses dominate over the functioning of brain. A visual scene of more than 3 seconds tends to remain in the memory. Dr Agarwal also described how the nerves of brain work and process the signals they receive.

The lecture was attended by all faculty members and helped the audience understand the signal processing techniques inside human brain in a lucid manner.

Special Lecture-cum-interaction

A special lecture on 'Linking Education to Change, Entrepreneurship and Innovation' by Mr Vivek Singhal (Ex-IITD), followed by an interactive session with the HoDs and faculty members of the University, was organized on 3 January 2015. The faculty members were enthralled by the insights of the speaker. Mr Vivek Singhal is a Certified Management Consultant (CMC), Certified Professional Consultant to Management (CPCM) and founder of a management advisory firm, Strategic Business Management (SBM) Co., USA. He is also a founding member of a non-profit organization, India Development Coalition of America (IDCA). He later offered to conduct two-day workshop on entrepreneurship for ITM University students. Prof. AK Yadav coordinated the lecture-cum-interaction programme.

Special Lecture on Signal Representation and Decomposition

A special lecture on 'Signal Representation and Decomposition' by Prof. SD Joshi, IIT Delhi was organized on 3 January 2015. During the lecture to the faculty members of the University, Dr Joshi explained the topics related to signal compression, pattern matching, signal decomposition and denoising. He also gave an overview of the AR (autoregressive) and ARMA (autoregressive moving average) models used in statistics and signal processing. Analysing some cases, he explained how wavelet settings are represented and wavelets are matched for processing.
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Special Lecture by Prof. Peter Smith

Prof. Peter Smith, Vice President (Academic), McMaster University, Canada was invited to deliver special lectures on ‘McMaster’s teaching and research’ and ‘Your World is Getting Smaller’ to our faculty and students, on 19 and 20 January 2015. The students of EECE, CSE and MBA benefitted from his experience and expertise. He also interacted with the HoDs, DoSs and top management of the University and discussed on the possibilities of future associations between ITM University and McMaster University. Prof. Smith has also accepted to join ITM University as an Honorary Distinguished Professor in the Department of EECE.

Internal Audit of Departments

Rigourous internal audits were carried for all the Schools and Departments of the University from 14 to 17 January 2015. The Pro-Chancellor, Prof. Prem Vrat, the Advisor to the GB, Brig. SK Sharma (Retd) and the Registrar, Col Bikarm Mohanty (Retd), along with external experts participated in the audit. The performance of departments and faculty were evaluated. Special attention was stressed for preparation of accreditation for NBA and NAAC by the end of the year.

University participates in Beti Bachao-Beti Padhao Campaign

ITM University participated in the National Campaign ‘Beti Bachao-Beti Padhao’ (Save girl child-Educate girl child) organized by Haryana State Govt., held in Panipat, Haryana on 21 and 22 January 2015.

An Android application ‘Be Safe Girls!!!’ guided by Ms Sujata, Assistant Professor and Ms Saakshi, final year student of Dept of CSE&IT was selected for this national programme. The project was exhibited under the Haryana Technical Department section and was appreciated by the visitors. The Android application is helpful to girls in emergency situations. It helps a girl to inform her relatives, friends and security officials of the University or the concerned authority through a text message with the press of a button. It sends the precise location of the device to the related people when activated. The interface of the application is more focused towards better efficiency and effectiveness.

Academic Council Meeting

The XVth Academic Council meeting was held in the University on 17 January 2015. The Pro-Chancellor, Prof. Prem Vrat, the Vice-Chancellor, Prof. BS Panwar, Directors of Schools, Heads of Departments, and senior officials of the University participated in the meeting along with external expert members. Various issues for academic development of the University and research projects at the University were discussed during the meeting.

Certificate of Recognition from SPIE

SPIE (an International Society of Optics and Photonics) awarded Certificate of Recognition to ITM University. The SPIE Student Chapter of ITM University was inaugurated in November 2014. Dr Sunanda Vashisht, Asst professor, Dept of Applied Sciences, is the Faculty Advisor for the SPIE Student Chapter.

SPIE is an international society advancing an interdisciplinary approach to the science and application of light. It provides funds in support of education and outreach programmes. It promotes information exchange among organizations in optics, photonics, and related technologies.

Republic Day Celebrations

On 26 January 2015, the University celebrated the 66th Republic Day with pomp and show. The rain 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 Vice-Chancellor, Prof. BS Panwar took the salute as the security staff marched past the dais. The Vice-Chancellor felicitated all faculty members, staff and students on the occasion of Republic Day and paid homage to the great visionary leader,
Dr Bhimrao Ramji Ambedkar, who drafted the Indian Constitution and made it possible for us to celebrate this day.

Quoting from Swami Vivekanand, he said that education means the process by which character is formed, strength of mind is increased, intellect is sharpened and by which one can stand on one's own feet. Prof. Panwar said that the aim of education is to make a person a good human being - having good values. According to him, development of a good personality with character is essential for nation building.

Speaking at the occasion Prof. Panwar said that right from the beginning the aim of the founders of ITM University has been to make this a most preferred institution of higher learning. He said that today our University stands amongst the leaders in the National Capital and the northern region and the credit for achieving this goes to the hard work and dedication of all members of the University. He reiterated his resolve to lead the University to greater heights so that it is counted amongst the top ten institutions in the country. ‘Make in India’ and ‘Educate in ITM University’ was his message of the day. The celebrations were followed by high tea for all.

Founder's Day Celebrated at the University

It was a day of great enthusiasm and excitement when ITM University celebrated its Founder’s Day in grand style on 10 January 2015. The celebration was held on a clear sunny afternoon in the otherwise chilly wintry weather of Gurgaon. The celebrations were attended by a large number of faculty of the University, its Management and senior staff of the Administration along with their spouses. Some of the senior academicians who are mentors in the University also graced the occasion.

The presence of the Army Pipe band playing ageless golden tunes enthralled the audience with the performance befitting the occasion. The live performance by a Ghazal singer stole the show. The faculty members also displayed their talent by presenting their singing and recital skills. The tempo of the celebrations was livened up when Ms. Archana Sarma sang a few songs and drew a loud applause. Mr. Siddharth Bhatia had everyone spellbound with his melodious voice and playing the guitar.

The day was celebrated with fervor, zest and enthusiasm at the University. Founder’s Day celebrations provided an excellent platform for all members and their spouses to interact and bond as a family.

National Voters' Day Celebrated

To celebrate National Voters’ Day, the staff and students of ITM University participated in the event and pledged to vote in the elections. In the presence of Registrar, Col. Bikram Mohanty (Retd), the students pledged to abide by the democratic values of the nation and to vote in every election fearlessly and without being influenced by considerations of religion, race, caste, community, language or any inducement. ‘National Voters’ Day’ is celebrated on 25 January every year in order to encourage more voters to take part in the political process.

Road Safety Week organized

The University organized Road Safety Week from 10 to 17 January 2015 at the University campus. Students were guided on safety measures on roads and how to act in an emergency. They were also informed about the traffic rules and signals to be followed. Security officer, Mr. Sanjeev Kumar guided the students on traffic rules and regulations.

Distinguished Professor Activities

- Prof. Kehar Singh, Hony. Distinguished Research Professor, was invited to give an address on the importance of Optics, at an International Conference on ‘Optics and Optoelectronics’ held on 22-23 November 2014 at the Institute of Engineering and Management, Kolkata. He also delivered a plenary lecture on ‘Optical Cryptography using fractional canonical transforms and structured masks’ at the Conference.

- A ‘Llyn Tegid sluice gate calculator’ has been developed based on the equations derived by our Distinguished Professor Emeritus, Prof. PK Swamee in his research paper, ‘Sluice Gate Discharge Equations’, published in Journal of Irrigation and Drain Engineering (ASCE, 1992). The details of the calculator can be accessed at http://thaaquatic.info/sleweeTegid.html

Intellectual Capital 2015 published

The second edition of the University's special publication, 'Intellectual Capital' was published providing an overview to the University's rich repository of academic and thought leadership. The coffee table book provides an insight into the intellectual and academic assets of the University.
News from the School of Engineering and Technology

Department of EECE

Departmental Activities

Dr Neeraj Kumar Shukla along with MTech VLSI Design students, Mr Rajesh Yadav and Ms Mahak Chawla, coordinated a one day training programme on ‘An Introduction to SC Industry & Preparing for Technical Interview’, for the 2nd and 4th semester students of MTech. The training was conducted by Mr Pulkit Bhatnagar, Sr Design Engineer, ST Microelectronics, Noida. [ECE2015G001]

Workshop Attended

Mr JP Shivhare and Mr Prabhat Kumar Sharma participated in IEEE Volunteer Training workshop on 19 January 2015 held at Hyat Regency, New Delhi. The workshop was organized by IEEE HQ (USA). [ECE2015A001]

Department of CSE and IT

Departmental Activities

The Department launched an intranet-based project, ‘ITMU-Connect’ on 12 January 2015. This release includes HR module and experience and publication related data in Faculty module in the first phase. This intranet feature can be used for various purposes including searching faculty profile, appraisal system, online project submission, approval process and data/documentation required for NAAC/NBA/UGC from time to time. The team for this intranet-based project comprises the Vice-Chancellor, Prof. BS Panwar, Director SOET, Prof. Ravindra Ojha, HoD CSE&IT, Dr Latika Singh, faculty members and technical staff of the Department, along with some students.

With the arrival of the new semester, the Department organized AdClass Programme in the University under Google Students' Club from 15 January to 26 February 2015. The six session course, conducted by Palash Chhabra, Google Students Ambassador, aims to introduce students to Online Marketing using Google's platform – Adwords, AdSense, AdMob, Analytics and more. This avenue would help students train and participate in the Google Online Marketing Challenge and also, get certified by Google becoming Adwords Certified Individual. The programme will also expose them to Google workshops and internship offers. The event is being coordinated by Google Students’ Club members along with faculty members, Ms Jyotika Pruthi and Ms Rita Chhikara.

Faculty Activities

Prof. Karmeshu, our mentor from Jawaharlal Nehru University, New Delhi visited the Department on 27 January 2015 to mentor PhD students of the Department. He individually discussed about teaching learning processes with the mentees. He also had discussions with Dr Latika Singh, HoD regarding the latest research in the area of cryptography.

Prof. Prabha Sharma has been invited as a speaker to present a paper in joint conferences 9th International Conference on Computer Engineering and Applications (CEA ‘15); 14th International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS ‘15); and 9th International Conference on Circuits, Systems, Signal and Telecommunications (CSST ‘15) to be held in Dubai, United Arab Emirates, from 22-24 February 2015.

Ms Rita Chhikara attended IEEE Technical Activities Volunteer Training Workshop on 19 January 2015, held at Hyatt Regency, Delhi. The workshop provided an insight to the IEEE vision and structure. The distinguished speakers from different universities across the globe explained the roles and processes of reviewing research papers.
Mr Nitin Sethi was appointed as the project evaluation expert to evaluate the professional projects, ‘Automatic Potato Planter by Swan Industries’ and ‘Wood Router Machine by Joginder Electrical, Ludhiana’ which have been funded by MSME. [MED2015O001]

Ms Jyotika Pruthi participated in the Drupal Camp Delhi 2015 at JNU, New Delhi from 10-11 January 2015. Drupal Camp is one of the largest associations for the Drupal community in North India, and the most frequently held Drupal event across the country. It brings together the Drupal developer and business user community. The camp included a keynote by Megan Sanicki from Drupal USA which was followed up by Drupal Training Sessions.

Prof. Ravindra Ojha and Mr Lalit Upadhayay visited M/s Federal Mogul Pvt. Ltd. on 07 January 2015 to evaluate the projects of final year BTech students. They visited the factory shop floor along with company managers and ITMU students. The evaluation team suggested some valuable points and potential areas where students need to focus. [MED2015W001]

Mr Ashwini Sharma visited Royal international, Jalandhar on 17 January 2015 to identify the projects of industrial needs. He also visited MIDAS Industries, Ambala on 17 January 2015 for the potential input to get practical know-how related to entrepreneurship for the students of the University. [MED2015V002]

Mr Ashwini Sharma was appointed as the project evaluation expert to evaluate the professional projects, ‘Automatic Potato Planter by Swan Industries’ and ‘Wood Router Machine by Joginder Electrical, Ludhiana’ which have been funded by MSME. [MED2015O001]

Mr Nitin Sethi is AGM, Strategy & Policy Management of Offshore Oil & Gas EPC Business at M/s Punj Lloyd Ltd. [CEE2015G001]

Mr Nitin Sethi delivering a lecture on ‘Necessity of Effective Contract Management during Project Implementation for an EPC / Construction Company’ by Mr Nitin Sethi on 22 January 2015, for the students of 4th, 6th and 8th semester. The lecture gave the students an insight about the various aspects of the construction industry and the problems faced by the EPC contracts during project execution. With the help of videos and documentaries of actual site construction works and the core engineering activities involved, the students learnt about the difficulties engineers face while working on offshore projects.

Dr Amit Srivastava has been appointed as the Treasurer of ASCE-Northern India Section for a period of 3 years.

Dr Sudheer Chintalapati, PhD in Water Resources Engineering from IIT Delhi, joined the Department as Associate Professor.

Ms Megha Kalra, MTech in Structural Engineering from PEC, Chandigarh, joined the Department as Assistant Professor.

Ms Aditya Sharma, Asst Professor, received her PhD in Chemistry from IIT Delhi.

Dr Dipti Vaya and Dr Tejpal Singh Chundawat received a grant of Rs. 9.99 lakh from DRDO for their project, ‘Development of Polyurethane Coating for blast Mitigation’. The project will develop formulation technique for polyurethane which resists the effect of blast.

Dr Dipti Vaya

Dr Tejpal Singh Chundawat
New Faculty on the Board
Dr Rani Yadav joined the Department as Assistant Professor. She has been awarded PhD in Mathematics by University of Delhi in 2014.

News from the School of Management

Departmental Activities
- School of Management organized a workshop on ‘Research Report Writing’ on 22 January 2015 for the final year UG and PG students. The workshop was planned with a specific objective of providing hands-on experience to the students for writing research reports and understanding importance of referencing in academic writing. Dr Himanshu Choudhary, Associate Professor, conducted this workshop. [SOM2015W001]

Faculty Activities
- Admission to MBA (full time) has been opened for the academic year 2015-16 at School of Management. The eligibility criteria and selection procedure can be procured from the Department.

An article by Dr Sushmita Biswal entitled ‘Repertoire of Learning’ was published by the national daily, The Statesman on 16 January, 2015.

Ms Ritu Chhikara, Assistant Professor, Marketing, has successfully completed her PhD from Faculty of Management Studies, University of Delhi. The topic of her thesis is ‘Human Resource Opportunities and Challenges in Modern Retail: A Study of select multi-brand Retailers in India’.

New Faculties on Board
- Ms Palak Mehta joined the Department as an Assistant Professor (Finance).
- Dr Shaveta Sachdeva joined the Department as an Assistant Professor (Economics).
- Dr Saumya Dixit joined the Department as an Assistant Professor (Marketing).
- Dr Ruchi Nayyar joined the Department as an Assistant Professor (Marketing).

News from the School of Law

Departmental Activities
On 22 January 2015, Prof. (Dr) BT Kaul, Chairperson, Delhi Judicial Academy delivered a special lecture on ‘Protection of the accused persons under the Constitution of India’. Prof. Kaul is a proficient academician in Criminal Law with a teaching experience of over 31 years. He enlightened the students on constitution and criminal law in India for protection of the fundamental rights of the accused. He also discussed ‘victimology’ as an emerging field in legal studies referring to various Supreme Court judgements including cases of Ajmal Kasab and Mohammad Hussain. He also inspired all the budding lawyers of the School to be good judge and lawyer in the future.

Faculty Activities
- Prof. (Dr) Sanoj Rajan, Head, SOL delivered a special lecture on ‘Challenges in Protection of Human Rights and Responsibility to Protect’ at NSS Law College, University of Kerala, on 19 January 2015.
- He also delivered a lecture on ‘Human Rights - The Recent Trends’ at VIT Law School, VIT University at its Chennai Campus on 21 January 2015.
- Mr Praveen Kumar, Assistant Professor published an e-book, 'Global e-waste Management Laws', ASIN: B00RZ6VH36 through Amazon Publishing Services on 7 January 2015.

News from the School of Professional Attachment (SPA)
- On 19 January 2015, Ernst & Young visited ITM University for the first time for an on-campus placement drive. The process ended up with offers to 7 engineering students.
University's recruitment partner Hettich India Pvt. Ltd conducted an on-campus placement drive and made the offers to 2 students of Mechanical Engineering and one student on standby.

Orange Business Services, a globally renowned organization, conducted a two-day placement drive on 12 and 13 January 2015, at the end of which, 9 BTech students got offers from the esteemed organization.

Protiviti Consulting Pvt. Ltd, an esteemed organization, conducted placement drive for MBA students on 21 January 2015 and made offers to 2 students.

Orient Craft made offers to 2 students of MBA.

DLF, a big name in real estate industry, conducted a placement drive for MBA students in December and made offers to 2 students.

Newgen has made an offer to 1 MBA student.

On 23 January 2015, Tata Consultancy Services came to address students of pre-final year and helped them understand the requirements of the industry. Ms Anuradha Mahajan, Campus Lead of TCS was delighted to see the passionate level of students.

## Students Activities

Student photography society, Lumiere organizes interactive training workshops that are free of cost, and are open to all. A seminar was organized by Lumiere on 6 January 2015 to guide the students about photography techniques and tricks. Kaushal Chug, final year student of Dept of ECE and also a professional photographer, explained the composition of a camera and the settings to be made while shooting in different conditions. The participants were told about creating mood, using natural light, and playing with their equipment capabilities. It was a beneficial session for the participants as they learned about photography and its intricacies.

Pulkit Garg, student of BTech Final year (ECE), was selected for ‘Jagriti Yatra: Building India through Enterprise 2014’. Jagriti Yatra is a 15 days long odyssey that takes budding entrepreneurs and other distinguished achievers across India, introducing them to like-minded peers, and helping them explore much wider horizons.

ITM University’s Google Student Ambassador, Palash Chhabra was invited to attend an Online Marketing Lab by Google at Gurgaon in December 2014. The event comprised of a three day live training programme which helped the participants increase their online marketing knowledge. It also provided the resources and skill-set to understand Google’s tools and functionalities and become Google Adwords Certified Individual. Palash was also trained by some Program Managers from Google to introduce the Online Marketing Course in the University with the help of AdClass Programme.

Prateek Maheshwari, BTech Computer Science 4th year along with Bhavesh Sharma from Manav Rachna International University, Faridabad and Alok Sharma from Jaypee University, Noida have developed an e-commerce website www.buyebook.com which facilitates buying as well as selling of second hand books, ranging from academic streams like medical and engineering to even cookery and hobby related books.

## Conference Presentations

### International


## Research Papers Published

### Conference Proceedings

#### International


### Conference Presentations

#### International


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

- Prof. Prem Vrat delivered a lecture on Operations Planning and Control at IIT Delhi on 17 January 2015 as an Honorary Professor of IIT Delhi.
- Prof. Prem Vrat attended the meeting of ASQ (American Society for Quality) at Hotel Surya, New Delhi on 21 January 2015.
- Prof. Prem Vrat attended the 2nd Meeting of Independent Directors of the Board of Air India at New Delhi on 28 January 2015.
- Prof. Prem Vrat attended the formal inauguration ceremony of Ashoka University by Nobel Laureate, Shri Kailash Satyarthi at Ashoka University, Sonepat, Haryana on 31 January 2015.

Prof. Prem Vrat’s outreach activities include the following:

**Member, Editorial Boards:**
1. RITES Journal of RITES LTD.
2. Industrial Engg. Journal of IIIE.
3. Value Based Management of GIFT.

**Other Outreach Activities:**
1. Advisor of Eminence American Society for Quality, India
2. Independent Director Air India Board
3. Honorary Professor IIT, Delhi
4. Distinguished Adjunct Professor AIT Bangkok
5. Chairman, Academic Committee MSES, Janakpuri, New Delhi
6. Co-chair RAC-DRDO
7. Member, Technology Forum INAE

Outreach Activities of Prof. BS Panwar
Vice-Chancellor and Senior Professor

- Prof. BS Panwar visited NIIT University, Neemrana on 2 January 2015 to chair a selection committee meeting for recruitment of Vice-President of NIIT University.
- Prof. BS Panwar visited Solid State Physics Laboratory (SSPL) New Delhi on 8 January 2015 for a meeting with Director, SSPL to explore possibility of associating SSPL in a joint project of IIT Delhi and ITM University on ‘Solution Process based GaN Device Design, Fabrication and Characterization’ to be submitted to DeitY.
- Prof. BS Panwar visited IIT Delhi on 28 January to finalize the recommendations of the review committee of DeitY about the joint project of IIT Delhi and ITM University on ‘Solution Process based GaN Device Design, Fabrication and Characterization’.

Sports

Annual Faculty Sports Tournaments

In the Volleyball Tournament for the faculty and staff of the University, a total of five teams, viz., ECE, Admin, Technical, APS and KSB participated with full enthusiasm. The final match was played between the teams of ECE and APS, in which ECE emerged winners.