



# VECTOR TECH

MAGNITUDE & DIRECTION

Greetings readers! Here we are with the first edition of Vector Tech after ITM was granted the autonomous status. A status almost equivalent to a new life for the Institute. ITM was granted autonomy last year in February and as the new batch of students finish their first semester, we have only good news to bring you all.

The autonomous position has been utilized to an optimum level by the efficient management and faculty of the college. They worked hard together and developed a system which aims at the holistic development of a student. Numerous changes which aspire to take the Institute in league of premier Institutes have been introduced.

The newly formulated syllabus is in sync with the requisites of the modern professional and competitive corporate world so that the students are able to compete at any level. The end of semester exams checked by the teachers of the college yielded a better and much organized result than the results coming from MDU. The marking scheme with moderation and grades as well as conduct of examination has been on the lines of the IIT's. The continuous evaluation and the grades had a positive motivating effect on the student rather than one of stress.

Prominence is being given to all round development of students. More and more practical periods were introduced slightly decreasing the emphasis on theory and putting it on hands on experience with machines students read about.

Along with academics, we got a brilliant response from the students in the field of co-curricular. Students participated and enjoyed intra-college sports competitions, the most popular of which was the ITM IPL. It constituted 20-20 cricket matches between different streams of which Mechanical & Automobile Dept. turned out to be the winner.

Bombay Rockers came to ITM to perform in the college fest Momentum and it was an evening of pure fun for the students. Various competitions ranging from Debates and GDs to collage making were held during the week leading to the party evening.

Many conferences and seminars were held during the semester for students of all years. Recruitments were held by the companies which visited, for the higher years and making aware, the younger years, of the proper path which leads to a successful career. Societies which help students to come forward and explore other talents organized seminars as well.

All in all, it was an active and fruitful semester for the students and the faculty. It is our job to make you aware of the events taking place at the college so without further ado, we insist you to start with your copy of the newsletter.

Happy reading!  
Vidushi & Tanya (First Year E&I)  
(Student Editors)

## An Interview with Dr. B.C. Nakra, Acting Director, ITM



*Prof. B.C. Nakra, Ph.D. Imperial College of Science & Technology, London University UK. Joined ITM in 2006. Prior to joining ITM he was professor and Head of Mechanical Engineering at IIT Delhi. He held B.H.E.L. Chair and Ram Rajindra Emeritus Chair at IIT Delhi. He has been consultant to leading industries.*

### Q 1: Under the autonomous scheme, what changes have been introduced in the teaching- learning system?

Several changes have been introduced to bring the Institute at par with the best Institutions of our country like the IITs which serve as role models of success. The curriculum has been redesigned to suit the industrial needs. A continuous evaluation process has been introduced to ensure that a student works regularly and consistently to earn marks. A credit system has been introduced for flexibility both in terms of course options and the completion of the degree. These changes are meant to make evaluation an integral part of learning. The changes introduced mean greater responsibility, both for the students as well as the teachers. Moreover, efficient time management has reduced the load on students and has given them more time for other extracurricular activities. I was indeed happy to observe the enthusiasm and spirit of the students in cricket tournament organised by the Institute. It was gratifying to notice the competitive spirit and zeal displayed by the students. I would like them to show a similar competitive spirit in academics too.

### Q2: What according to you is the important part in the student's curriculum in engineering?

Practical application of knowledge -that is, hands on experience and working on projects is according to me an important part of engineering curriculum. Practical application which culminates into something tangible is helpful to the students. Engineering is after all, a course that teaches us the practical application of all that we learn in theory. Unless knowledge is put to use in such a way, it becomes moot. Projects help the students in applying their knowledge, in broadening their thinking and developing their creativity. It is very important that students take their projects very seriously. Companies recruiting students attach a great importance to projects

accomplished by students. The ultimate purpose of working on projects is to encourage research habits in students in establishing linkages with industry and in inviting companies to sponsor research projects related to technological development.

### Q3: Besides curriculum, project and evaluation system which other component is essential for our institution to excel?

The right faculty is the backbone of Institute provided they are passionate and motivated. The faculty in our Institute is appointed in a transparent manner to ensure that only the best is provided to our students. We have excellent faculty in our Institute who are engaged in research. Such faculty can help students in innovative projects. They serve as role models to the students and are always ready to help them. The students are free to approach their teachers any time they want. Extra classes on weekends have also been arranged by the faculty members for the students who need them.

### Q 4: Sir, No one could perhaps be for the students a more appropriate role model than you yourself. What word of advice would you like to give to students?

Students must first and foremost know that there are no shortcuts in life. They should be motivated from within and be ready to put in serious hard work. Studying should not seem like some sort of load which they are obliged to carry. It should be a way of life. Regular studies, revision and interest in whatever they do is imperative. The desire to excel and a healthy competition make everyone give their best in whatever they do. Moreover, a disciplined way of life makes a student regular and responsible. It is a sure shot way to success. A student must always have a learning attitude, must always be eager and be curious to learn more. They should be inspired to move forward in life and not take everything casually.

### Q5: Where do you see ITM a few years from now?

We are working tirelessly towards bringing ITM at par with the top institutions in the country. We are fortunate to have a management which is very efficient and committed to attaining excellence. The management has a vision to attain the highest standards in academic excellence. It may take us some time to get there but we will certainly actualize the vision. The Institute is already doing well which is reflected in our rankings and we aim to attain even greater heights in the future.

## ITM On The Move... ITM University

Institute of Technology and Management, Gurgaon has made its mark in Haryana as an institute of engineering committed to excellence. The quality education imparted in the Institution, its excellent faculty, the performance of students in the university exams, and their placement in premier companies gave to ITM, a place of pride not only in Haryana but in India. In a national survey, ITM was ranked 4<sup>th</sup> in northern India among the engineering college in the country. As per the Education Times'09 and GFK Mode Survey'09 ITM was the only private Institution to be featured in the top 10 private universities/colleges in the country.



In recognition of its consistent record of excellence in the teaching learning process and innovations, it was considered worthy of academic freedom and capable of managing its complete academic processes including curriculum designing and evaluation procedures. On 16<sup>th</sup> Oct '08, ITM was granted autonomy.

For an organisation to sustain itself qualitatively it must have a futuristic vision and innovate its system to provide for the required modifications. In recognition its commitment to its academic excellence, proactive syllabi, & innovative teaching learning programs, the Haryana Government according to a legislative decision under the Haryana Private Universities Act 2006 has

elevated ITM to the status of ITM University. ITM will now focus on new courses, research, and innovations.

The grant of university status will be an opportunity to navigate a path to establishing ITM University as a centre of academic excellence in higher education in India. In view of the elevated status, and guided by vision of the Hon'ble Chancellor of the University, Sh. N.K. Dewan and other Hon'ble members of the Governing Body, the leadership of its Vice Chancellor Dr. R.K. Singh, the acting Director Dr. B.C. Nakra, the Registrar Brig. S.K. Sharma and our Deans ITM is in the process of planning & structuring courses in various disciplines.

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*"A teacher affects eternity; he can never tell where his influence stops." - Henry B. Adams*



## News from the Departments

### Department of ECE & EI

HOD : Prof. Swaran Ahuja

#### Faculty Strength:

Professors : 04, Assoc. Professor : 01, Asstt. Professor (Selection grade) : 02, Asstt. Professor (Senior scale) : 05, Assistant Professor : 26, Contractual Faculty : 01, Distinguished faculty : 01, Teaching Associate : 01

#### Faculty promotions:

**Ms. Ashu Gautam** (Assistant Professor to Assistant Professor (Senior Scale))

**New faculty members:** Dr. Alka Singh, Mr. Akhilesh Kr. Shukla, Ms. Jyoti Varanasi, Ms. Komal Preet Kaur, Mr. Mandeep Singh, Ms. Meenu Passi, Mr. Neeraj Shukla, Mr. Rajeev Kamal, Mr. Tarun Kumar, Mr. Peeyusha Saurabha, Ms. Vandana Khanna, Mr. Vivek Verma, Mr. Vikas Nehra

#### Academic Growth:

**M.Tech/masters completed:** Ms. Anita Jain, Ms. Amanpreet Kaur

#### Papers Published in National/International Journals:

- **Mr. Jagdish Shivhare**, Electromagnetic/Microwave Theory, emerging trends – PIERS Moscow – April'2009
- **Mr. Jagdish Shivhare**, "A Value-Added Method to Design a Compact and Low Cost Hairpin Line Microstrip Bandpass Filter for Communication Systems"- Progress In Electromagnetics Research Symposium Proceedings, Moscow, Russia, August 18{21, 2009
- **Mr. Jagdish Shivhare**, "Design and Development of Low Cost and Light Weight Cavity and Microstrip Band Pass Filters for Communication Systems"- Progress In Electromagnetics Research Symposium Proceedings, Moscow, Russia, August 18{21, 2009

#### Papers presented in National/International conferences:

- **Mr. Jagdish Shivhare**, "Design and Development of Helical Band Pass Filters for satellites Receivers", MOSCOW international conference, Aug 2009
- **Mr. Jagdish Shivhare**, "Environmental pollution of Electromagnetic Radiation", MOSCOW international conference, Aug 2009
- **Prabhjot Kaur**, "Adaptive OFDM vs Single Carrier Modulation with frequency domain equalization, ICCET, Singapore, Jan. 2009
- **Prabhjot Kaur**, "QoS analysis for wireless mobile adhoc Networks" National conference, NIT, Kurukshetra, April, 2009
- **Prabhjot Kaur**, "Performance Evolution of various MAC Layer Design Techniques: Comparison of Routing and MAC Protocols for different Parameters." National conference, April, 2009
- **Prabhjot Kaur, Amanpreet Kaur**, "Performance Analysis of Routing Protocols for Mobile Ad-Hoc Network (MANET), National Conference, SLIET, Longowal, March 2009
- **Anita Jain, Amanpreet Kaur**, "Performance Analysis of Various Routing Protocols for 802.16e using qualnet", Commune09 NIT Kurukshetra
- **Anita Jain, Amanpreet Kaur**, "Performance Analysis of Routing Protocols for Mobile WiMAX Network", National Conference, April'09
- **Neeraj kumar**, "RF SiP-System in package", national Conference jaipur, may 2009
- **Amanpreet Kaur, Anita Jain, Shaveta Arora**, "Fuzzy Logic Based Power Control for Next Generation Wireless Networks". "International Conference on Innovative Technologies (ICIT-09): Research and Development in Science, Technology and Management at PDM College of Engineering, Bahadurgarh, 2009.
- **Amanpreet Kaur, Anita Jain**, "Network Planning and Analysis for Mobile WiMAX, 'Wireless Networks and Embedded Systems' (WECON 2009) Department of Electronics and Communication Engineering Chitkara Institute of Engineering and Technology, Rajpura Chitkara University, India, George Brown College, Canada.
- **Amanpreet Kaur, Anita Jain**, "Eye Pattern Analysis of Singlemode and Multi-mode fibres using OptSim. 12th International Symposium on Microwave and Optical Technology (ISMOT-2009)
- **Amanpreet Kaur, Anita Jain**, "Performance

- Analysis Of Various Dispersion Compensation Schemes in Single Mode Fibre Transmission System. **National Conference on Virtual and Intelligent Instrumentation (NCVII-09)** Birla Institute of Technology and Science, Pilani
- **Amanpreet Kaur, Anita Jain, Shaveta.**, "LabVIEW: An Efficient Tool for Speech Processing," **National Conference on Virtual and Intelligent Instrumentation (NCVII-09)** Birla Institute of Technology and Science, Pilani
- **Amanpreet Kaur, Mandeep Singh**, Interactive Multiobjective Optimization Using Evolutionary Search Method, **Third national conference Mathematical techniques: emerging paradigms for electronics and it industries (MATEIT-2010)** Deen Dayal Upadhyaya College, University of Delhi, New Delhi
- **Amanpreet kaur, Anita Jain, Minal Dhull**. "Performance Analysis of a WDM-RZ and NRZ Transmission System in Single Mode, **Third national conference Mathematical techniques: emerging paradigms for electronics and it industries (MATEIT-2010)** Deen Dayal Upadhyaya College, University of Delhi, New Delhi
- **Amanpreet Kaur**, "Fiber optic sensors", **National Seminar On Nanotechnology:** The Recent Advances & Applications, Institute Of Technology & Management, Gurgaon
- **Amanpreet Kaur**, "Raman Amplification in Fiber Optic Networks, **National Seminar On Nanotechnology:** The Recent Advances & Applications, Institute Of Technology & Management, Gurgaon.

#### Seminar and conferences attended:

- **Debashish Mukherji**, "VLSI Design", IIT, Kharagpur, June 14-27, 2009
- **Prabhjot kaur**, "FDP on intellectual property rights", IIT Delhi, July 6-10, 2009
- **Amber Bajpai**, "Emerging Research topics in Engg.", IEEE Gujrat Section, July 24-25, 2009
- **Amanpreet kaur**, "AICTE Sponsored SDP on Matlab for Signal Processing & Wireless Commn.", Thapar University, Patiala, Dec 14-25, 2009

#### Placements:

- 73 students of the ECE & EI, batch 2005-09 were placed into prestigious organizations such as Infosys, TCS, L&T Infotech, Accenture, I-FLEX Solutions, Huawei, Dell international services to name a few.
- 25 students of batch 2006-10 selected for EXCEL 2009 at ITM.

#### Events organized by the department:

- "LIVEWIRE", the multi-dimensional bi-annual journal of ECE & EI department.
- **E-Quiz** was organized by the e-club on 2<sup>nd</sup> September'09,
- **ERICSSON Training Module:** A team of five members from Ericsson had come to the Campus to introduce a training module on Advanced wireless commn. to the students of ECE final year.

#### Faculty Involvement in the Academic & Professional growth

- **Department was adjudged the best department of the institute based on academics & performance and awarded a cash prize of Rs. 3.75 lacs.**
- **Additional labs** on "Printed Circuit Board" for 2<sup>nd</sup> semester, B.Tech, "Advanced optical commn. & "modern telecom switching system" was set up for 1<sup>st</sup> & 2<sup>nd</sup> semester, Mtech.

### Department of CSE

HOD : Dr. Ranjit Biswas

#### Faculty Strength:

Professor : 2 Associate Professor : 1  
Assistant Professor : 30

#### Faculty Promotions:

Mr. Varun Kumar (Asstt. Professor to Assoc Professor)

**New Faculty Members:** Ms. Yogita Gigras, Ms. Smita Rajpal, Ms. Niharika Garg

#### Academics Growth:

Pradeep Chauhan, Sheily Mittal, Urvashi Chugh, Sandeep Singh were granted M.Tech Degrees.

#### Research Paper Published:

- **Usha Batra**, "Defining Business Requirements as Concerns in Data Warehouse", IEEE International Conference on Computer Science and Information

- Technology, August, 2009
- **Usha Batra**, "Modularization of Concerns in a Distributed Framework: An Aspect Oriented Approach", IEEE International Conference on Education and Information Technology Applications, August, 2009
- **Usha Batra**, "Improving Software Design using Aspects in Distributed Computing", IEEE International Conference on Networked Computing, August, 2009
- **Usha Batra**, "Enterprise Knowledge Management Systems: Role of Aspects and Distributed Middleware Framework", IEEE International Conference on Advanced Information Management and Service, August, 2009

#### Placements:

85 students of CSE of Final Year of Batch 2005-2009 have been placed in various companies.

#### Events Organized:

Departmental magazine and journal were published for the CSE/IT departments

- **Voyager:** The multi-dimensional bi-annual journal of ECE & EI department.
- **Dossier09:** The aim of publishing this magazine is mainly to share the students' articles of pedagogic type.

### Department of IT & SE

HOD : Dr. Latika Singh

Faculty Strength: 17

**New Faculty Members:** Mr. Aman Jatain, Ms. Sumanlata, Babalu, Mr. Naresh, Mr. Munish Soni, Ms. Prachi Ahlawat, Ms. Rimpri Bishnoi

#### Academics Growth:

Sheily Mittal, Deepti Lathar, Hitesh Sharma were granted M.Tech Degrees

#### Research Paper Published:

**N. N. Das**, "Data modeling and query processing in multidimensional databases", Bharti vidyapeeth's Institute of Computer Application and Management, December' 2009

#### Conference attended:

**Divya**, National seminar on artificial intelligence and soft computing, 2009

#### Placements:

61 students of IT of Final Year of Batch 2005-2009 have been placed in various companies.

### Department of Applied Science & Humanities

HOD : Prof. Kalika Srivastava

Faculty Strength : 30

Professors : 05 Asst. Professors : 25

#### New Faculty Members:

Dr. Dinesh Bist, Dr. Divya Agarwal, Dr. Bhupendar Pathak, Ms. Ambika Sharma, Ms. Sagarika Goswami

#### Papers Published:

- V. Singh and Komal, "Impact of ATM on Customer Satisfaction", Business Intelligence Journal, Vol. 2 No.2 August 2009
- **R. Tyagi** and B. D. Kaushik, "Isolation and Characterization of Rock Phosphate-solubilizing Mutant of Cyanobacterium *Tolypothrix tenuis*.", National Symp. on Environmental Threat to Human Health in 21<sup>st</sup> Century, M. M.V.B.H.U., Varanasi (2009)
- **Ambika Sharma** and P. B. Barman, "Optical Properties of  $Se_{85-x}Te_{15}Bi_x$  glassy alloys", Applied Physics B: Lasers and Optics- (10.1007/s00340-009-3770-y), 2009
- **Ambika Sharma** and P. B. Barman, "Physical properties of  $Ge_{20}Te_{80-x}Bi_x$  glassy alloys", Defect and Diffusion Forum Vol. 293 pp 107-112, (2009)

#### Conferences attended:

**Dr. Hukum Singh**, "Synthesis and Studies of Optical Properties of Poly-bisphenol-A Carbonategraft Polymethyl Methacrylate Hydrazide: The Photoacoustic Spectroscopy", 12<sup>th</sup> International Symposium on Microwave and Optical Technology (ISMOT-2009) Hotel Ashok New Delhi (16-19 Dec. 2009)

#### Event Organised:

- **A workshop on Communication Skills for the**

**"Education is essential to change, for education creates both new wants and the ability to satisfy them." - Henry Steele Commager**



faculty was organised in July 2009. It was conducted by Prof. Rajan Rai, Dr. N. P. Singh, & members of the English Dept. Ms. Shrutimita, Dr. Divyabha & Ms. Vasudha assisted in the conduct members attended the workshop.

- Another workshop was organised on Matlab for the faculty. It was conducted by Dr. Ashok Jangid.
- Faculty Involvement Academic and Professional Growth.
- Vani - The biannual departmental journal was published.

### Department of Civil Engineering

HOD : S.Krishnamoorthi

Faculty Strength : 6 Professors : -  
Assoc. Professors : 2 Asstt. Professors : 4

#### Faculty Promotions:

Dr.A.K.Misra (Assistant Professor, Selection Grade), Ms.Niragi Dave (Assistant Professor, Senior Scale)

New Faculty Members: Dr.V.Gayathri, Col.(Retd) H.S.Dhull, Ms.Vaishali Sahu

#### Events organised by the department:

SPACE (Society in Pursuit of Advances in Civil Engineering): SPACE organised Technical Quiz competition I for IV semester student & Quiz competition II for II semester students

### Department of ME/AU

HOD : Prof. Lajpat Rai

#### Faculty Strength:

Professor : 6 Associate Professor : 6  
Assistant Professor: 16 Contact lecturers : 5

New Faculty Members: Dr. Pramod Bhatia, Mr. Surya Prakash, Mr. Vinkel Arora, Mr. Dinesh Kumar.

#### Academics Growth:

Prof. K. N. Rastogi, Mr. Saifullah Zafar, Ms. Jolly Shah have registered for Ph.D.

#### Research Paper Published:

Mr. Prahlad Singh, R.K Pandey, Y. Nath: "Film Formation Analysis with Starvation in Inlet Zone of Cold rolling Interface at High Roll Speed", Trans. Of JST, 2009

Mr. Prahlad Singh, "Modelling of the lubricated Inlet zone in cold strip rolling incorporating effects of starvation roughness and viscous shear heating, ICTMP 2010

#### Conference/Seminar attended:

Amit Dhamija, "Basics of CFD", Thapar University, July 2009

K. N. Rustagi & S. Parmeshwar, "Tribology for Engineering Education", IIPM, 2009

K. B. Sehgal, "Modern Manufacturing Techniques"

S. Parmeshwar, "Learning Robotics using Matlab", Mathworks Inc.

S. Sur, "Faculty Development Program on Modern Trend in Manufacturing", CITM, Faridabad.

#### Placements:

28 students of Mechanical & Automobile of Final Year of Batch 2005-2009 have been placed in various companies.

#### Events Organized:

Departmental magazine and journal were published for the ME/AU departments-

Impulse: Fifth issue of departmental magazine was published in July 2009.

A national seminar is planned to be organized on "Energy & Environment" in May 2010

#### Achievement of the students:

- IPL Championship won: Students of the Mechanical Engineering Dept. won the championship of first IPL cricket matches organized at the institute level.
- A team of 16 members is engaged in design and fabrication of an All Terrain Vehicle as specification provided by Society of Automotive Engineers (SAE) and will be participating in "Mini Baja" in Feb 2010.
- Faculty Involvement in the Academic & Professional growth
- Department was adjudged the second best department of the institute based on academics & performance and awarded a cash prize of Rs. 1.75 lacs.

- A sanction of 16.60 Lacs has been received by from AICTE under Research Promotion Scheme (RPS) for a project on "Study of pollutants from vehicular exhaust using CFD techniques". This fund is being utilized to
- develop a new lab for computational Fluid Dynamics.
- One additional lab on "Vehicle Maintenance" was set up for VII semester Automobile Engg. Course.
- Proposals for two additional PG courses on "Manufacturing & Maintenance Management" and "Energy & Environment Management" have been put up for approval.
- Faculties of the dept. were invited to JBM CAD Mind for interaction. 100 passes were provided for faculty & students to visit AUTO EXPO 2010.

#### Guest Lectures organized:

Power generating Equipment: BHEL  
Engine Management System: Maruti Udyog Ltd  
V-Type Engine in Automobile: Maruti Udyog Ltd

#### Industrial Visit:

- Visit to amorphous solar silicon plant of BHEL, Goal pachari
- Visit to Zicon Air conditioning Plant, Bahadurgarh
- Visit to Maruti Udyog Ltd., Ggn

### INFRASTRUCTURAL DEVELOPMENT

- Working towards provides state of the art facilities the infrastructure is continuously being supplemented to add charm to the landscape. Commensurate with a aesthetic layout of the institute the following additions have been made:
- A twelve foot broad stone pathway has been laid adjacent to the outer wall of the wing opposite the grounds adds grace to the landscape.
- A metallic road, leading from the gate of the Institute providing an easy access to the cafeteria. The tennis courts, volley ball courts, badminton courts, and laboratories has been resurfaced.
- The yellow and black marking, the speed breaker to ensure a noise free movement of vehicles give to this metalled road a neat and a professional look.
- Two new parking lots have been laid
- The college cricket grounds have been provided with halt lights to enable day and night cricket matches.

### Workshop on Robotics

"ThinkLabs", IIT Bombay, in association with "ITM Gurgaon" has conducted a workshop "LogiTRIX" for ITM Students "ROBOLIGA'10" on 31<sup>st</sup> Oct - 1<sup>st</sup> Nov '09. It was a 2 day workshop based on Embedded systems and Robotics. The workshop was ideal for all undergraduate students.

It was a competition based workshop. The regional round of which was held at IIT Delhi. They following prizes were given away to the winners:

- Internship opportunities at leading organizations
- Training Vouchers and robotic kits worth INR 9 lacs
- Cash Prizes worth INR 2 lacs

The trainer for the workshop came from IIT Bombay. The final round of the competition had taken place at IIT Bombay. Over 600 engineering colleges are participating in this competition. From ITM around 79 students have participated from different branches.

### Workshop on MATLAB

Workshop on MATLAB was organised by Mr. Ashok Jangid. The objective of the workshop was to create awareness among the faculty members about the powerful use of MATLAB which is a technical computing language and interactive environment for algorithm development, data visualization, data analysis, and numeric computation.

The workshop included the basic Matlab operations for different mathematical functions and solutions. The aim of this workshop on Matlab was to help the researchers to use the built-in codes and develop their own codes that they were likely to use as researchers. MATLAB can in a wide range of applications, including signal and image processing, communications, control design, test and measurement, financial modelling and analysis, and computational biology. Many faculty members from different departments attended this workshop.

### Research Development & Industrial Liaison

With a view to enhancing research, attaining intellectual excellence, inviting industries to develop liaison with the researchers to develop technologies and encouraging applications of research a committee on **Research Development and Industrial Liaison** was formed. With Dr. A.P. Gupta as the Dean chairman of this committee. The members of the committee are Prof. Y.K. Mathur, Dr. V. Gayatri, Dr. Alka Singh, Dr. Latika Singh, Mr. Prahlad Singh, Ms. Pariza Kamboj, Ms. Bhumika Sharma.

The functions of this committee are as follows:

- To suggest methods for enhancing research activities leading to high quality publications.
- To take effective steps for enhancing sponsored research projects from funding agencies and industries in emerging areas.
- To encourage interdisciplinary research within ITM and also by interaction with other institutes and organization.
- To have liaison with industries for running continuing education programmes for participants from industry and through R&D work.

### ART OF LIVING BASIC COURSE

ITM, Gurgaon conducted The Basic Course of ART OF LIVING from 29<sup>th</sup> sep'09 to 3<sup>rd</sup> Oct'09 in the Seminar Hall.

The aim was to provide the finest possible environment for teaching, learning and research because the overall growth of the student depends on imparting knowledge in positive environment. That is why, at ITM, we are committed to create a vibrant and stimulating environment to live, work and play.



In the basic Course of Art of Living, 28 faculty members from different departments have registered for this course out of which 24 have successfully completed. The duration of course was 5 days. The Teacher for this course was Dr. Neena Bansal, Ph.D in Political Science. She is an assistance professor in Kamla Nehru College Delhi University. She has taken courses in Tihar Jail and has taken Government Executive Programs in State Bank of Patiala, CRPF (Central Reserve Police Force) etc. She has taken Basic course across the country.



Topics covered under this course are:- Sudarshan Kriya (Powerful Breathing technique), Human Values, Parents and Children Relationship (From Parents point of view), Handling Teenagers, Relationship between Teachers and Students (As this is course for faculties), How Teachers can help students to become leaders, How Teaching can be improved, How negative emotions can be handled, Pranayam and Various Aasna.



## Professional Societies

### Society of Electronics Engineers (SEE), Indian Society for Technical Education (ISTE) & Institute of Electrical & Electronics Engineers (IEEE)

The main objective of these Professional societies is to develop abilities among students in the technical as well as non-technical fields. These societies have individual executive committees comprising President/Chairman, Vice-president/Vice-Chairman, Secretary, Joint Secretary and 10-12 active members, for one year tenure.

These Societies organize/arrange many events and curricular activities such as Special Guest lectures from high profile industries and academic institutions, The purpose of organizing these events is to make the students acquainted with various technical issues related to the industry. Besides this, Educational tours to industrial plants/factories /Companies/R&D departments, technical Talks, presentations, seminars, Workshops, lecture series for students and Faculty, Group discussion, Technical and Non-technical Quizzes, Debates, Extempory, Essay writing, Brain teasers, technical film shows etc. throughout the semester/ year.

### Society for Instrumentation Engineers (SIE)

The prime objective of this society is to encourage the instrumentation students by providing them knowledge about their core field. The aim of this society is to provide a platform to instrumentation engineers to gain knowledge about the electronics and instrumentation field, its scope, new advancements in the techniques and a lot more information regarding their native field.

### CSI (Computer Society of India)

The "Computer Society of India" is an active national society and a professional body where computer professionals meet to exchange views and information in the area of computer science & IT & other relevant areas, to learn and share ideas. It aims at spreading the awareness and knowledge about overall computing, through various channels that include seminars, workshops, industrial activities, research and development. It has more than 30,000 members in 65 chapters and 183 students branches spread over different colleges and institutes of the country.

CSI re-established in ITM in the month of December 09'. ITM has now been added as Gurgaon chapter of CSI with at present 193 members and is been named the CSI-ITM Student Chapter. Society organized many events in every year such as Cyber Grill, Bits & Bytes – Programming, **Buzzing Stock-Stock Market Simulation**, TECHNOHOLIC JARGON, Surprise Event etc.

### NDTV @ ITM

Recently our students participated in the interactive



session held on the topics "Indian of the Year'2009" (Sports Category) on 8th December at 5:30pm-7:30pm. The Moderator for this show was Sonali Chander, Ajay Jadeja and Sania Mirza were the guest celebrities for this show. Being the part of such shows they get real exposure to the current scenario of the country and all over the world. ITM students very frequently participate in the NDTV talk shows. On 12-12-09 students participated in the Big Fight .The Topic was Communal Violence and the Moderator for this show was Vikram Chandra.

## CORPOVA

The concept of "CORPOVA" was the brain child of the **Economics & Management Department**. It was realized as a support system for the student's need of acquiring knowledge management and economics besides the main technical course. The role of CORPOVA comes in the form of providing students with a platform for gaining that knowledge and experience. CORPOVA organized such activities as would help students develop general awareness, acquire pertinent to basic information related to economics, finance & management and sharpen their communication skills. CORPOVA organized several events like CEO, Business Plan and other fun filled games aimed at enhancing the awareness of the students on issues related to management and economics and giving them a platform to be creative.

**CEO** : This event based on the search for ITM's next big corporate honcho. "IMAGINE... DREAM... REALIZE..." was the motto of our young and enterprising CEO's. The event involved two rounds.

**Round 1**: Presentation on the topic "SALES SEASON: IS RECESSION THE RIGHT TIME FOR DISINVESTMENT". **Round 2**: An interview which involved a Q&A session between the participants.

**B PLAN** : Business Plan is the stepping stone for all entrepreneurs. B PLAN involved the expression of ideas and concepts which ranged from T- SHIRT designing, A WIFI model to ON AIR entertainment/ functions.

**DARE TO PLAY** : An event with that fun element inherent inside it, this event was a test of overall management skills of all participants. The various games that were included in the event were: Crazy Cities (Paper Game), Shuffle and Arrange, Blow and Light, Balancing Coins, Memory Game, Brick Walk, Turtle Bike Race.



**GUEST LECTURE** : Mr. Kamal Singh, Director AIMA was our honorable guest lecturer who enlightened all of us on the topic "ENTREPRENEURIAL DEVELOPMENT". He shared various practical examples that are a reality in today's world with us from his vast experience in the field of entrepreneurship. A speaker par excellence Sir motivated us in his very unique style and gave the mantra to be successful entrepreneurs.

### MOMENTUM'09

Striving for excellence in academics has become synonymous with ITM, but it is gratifying to add that our students display exceptional potential even in cultural events, literary sessions, histrionics, and the fashion show. Momentum as the name suggests give to our students the impetus to exhibit their creative talent through cultural events debating skills and their sterling performances in song, dance and drama.



**MOMENTUM 2009** was spread over a period of five days, from 14<sup>th</sup> sept to 18<sup>th</sup> sept, 2009. The first two days of the festival were dedicated to finals of the sports events and the next three days to cultural events. The students from various colleges in NCR, including DCE, Apeejay college, Amity, GITM, CITM, WIT, Dronacharya college of engg. and more, showed interest for participation in the kaleidoscope of activities.

The sports day saw the finals of athletics and cricket and football tournament, the preceding rounds of which had already been conducted. The cultural part of the fest was divided in onstage and offstage events.

A host of offstage events related to the field of creative skills and literary prowess, like collage making, rangoli making, monoacting, debate, Group discussion, the GK quiz, extempore etc, were conducted on the first day, i.e. 16<sup>th</sup> sept, 2009. The GK quiz and the debate were major attractions. The cultural events like rangoli making, poster making and face painting were also very popular. Regatta, the motor boat racing competition, drew massive participation.

The second day was the day of on-stage events comprising singing, dancing and play competitions. Various group and solo performances exhibited exceptional talent.

An event which kept all eyes riveted on the stage was the fashion show. Students enjoyed the proceedings with the delicious food on offer at the various stalls put up by reputed food chains. ITM had the privilege of hosting a number of participants from other colleges such as CITM, MRCE, Amity noida, GITM, Ansal's institute and more

in the events like solo dance, couple dance and play competition. The day concluded with the "star performance", given by **Mr. Padamjeet Sherawat**, a nationally reputed singer par excellence, who enthralled the students with his melodious voice. The fun, frenzy and the excitement continued on day three, with the ever-popular "**Mr. and Miss momentum**" contest, and finals of various other events at full throttle.



Momentum, ever since its inception, has always boasted of a rollicking jam session. The main sponsors "SUZUKI" sponsored this year's jam session. The atmosphere at the ITM grounds grew electric as the famous rock band "**BOMBAY ROCKERS**" performed live in front of a lively and ecstatic crowd.



As the jam session ended, the students bade farewell to what had been perhaps one of the most memorable celebrations of talent they had witnessed. The students had displayed their creative and literary skills with utmost élan and ensured that the fest lived up to its reputation. The students departed with the vibrant images of the extravaganza embedded deep in their hearts for many years to come.

*"We cannot seek or attain health, wealth, learning, justice or kindness in general action is always specific, concrete, individualized, unique" - Benjamin Jowett*



**TRIP TO RISHIKESH'09**

ITM organized an educational and adventurous tour to RISHIKESH for the 4<sup>th</sup> year students. A trip is a program of Student's Recreation. Through this event we offer a comprehensive outdoor experience for all skill levels. By combining recreation and education, this program offers adventure opportunities for every lifestyle while instilling various skills. It was 3 Days and 2 Nights trip. Around 100 students from different department have joined us for this trip. Students have participated in adventure activities like river rafting, cliff jumping and trekking etc.



**TRIP TO JIM CORBETT'09**

ITM, Gurgaon organized its 4th trip of the year to Jim Corbett for 3rd year B.Tech and MBA 1st sem. students from 9th Oct'09 to 11th Oct'09. 102 students joined the trip and participated in various adventure sports on Kosi River like flying folks, river crossing and visited the Jim Corbett National Park.



**CEREBRATION '09**

Cerebration 2009 witnessed mass participation of about 800 students from different branches of ITM, Gurgaon. It was one day festival in which crowd pulling events like paradigm, all terrain vehicle and brainteasers like Bytefight and Bugicide were organized. It caters to the creative and vibrant minds of the students. This event was a huge success.



**Cerebration Events:**

- **CSE & IT Events:** Bugicide, Web Designing, LAN Gammig, Online Treasure Hunt
- **Electronic Events:** Microwars, E-Garb, Robocar
- **Mechanical Events:** A.T.V, Auto CAD Designing, Motorboat racing, Regatta
- **Generally Technical:** Technical Paper Presentation, Extempore, Nirmaan
- **Literary Events:** Debate, Group Discussion
- **Business Events:** Dalal Street
- **Generally Fun:** Sudoku, Film Festival

**ITM Premier League' 09 (Cricket)**

In a nation where cricket is enjoyed by people of all age groups, how could an intra-college cricket tournament not be one of the most talked about events of the semester?

ITM hosted 'The ITM Premier League – 2009', a series of cricket matches between the teams of different streams of the college aiming to encourage the talented students who are enthusiastic about the sport. Eight teams emerged, one from each stream and competed against each other to win the trophy. The event started with its first match on November 3, 2009 between the 'Mechanical Warriors' and the 'CSE Spartans'. The match was won by the latter. And so went on the play-offs with many more matches. Finally, CSE, Mechanical and IT entered into the semi-finals. The first semi-final was won by CSE against IT.

The second was won by Mechanical against Civil. The final match of the ITM Premier League was between CSE and Mechanical with the Mechanical Warriors emerging as the winners of the first ever college cricket tournament! A piece of irony if you may. The same teams started and ended the competition with alternate wins. The Matches were organized and held with great pomp. The students could be seen missing classes to sit on the boundaries and supporting their respective teams with great zeal. But it did put a damp on their lecture attendances for sure! And not only had the students, but also the teachers took a great interest in the matches. Some of them allowed the students to miss their classes to watch matches while the others came out to watch and support their teams themselves!



The teams entered the full spirit of competition aided by the provision of banners and jerseys representing the different team colours. The audience could be seen waving coloured flags to show their support during and even after the matches. And not just the flags and jerseys, a man with a 'dhol' was also present in the matches. Every four, six or a wicket was followed by a loud celebration of the much loved dhol with students dancing and having fun! The participating teams were the 'ECE Vikings', the 'EI Chargers', the 'AU Mavericks', the 'ME Warriors', the 'CSE Spartans', the 'MBA Rockers', the 'Civil Super kings' and the 'IT Titans XI'.

The tournament would not have been such a great phenomenon without the help and support of faculty and the coordinators who readily extended any kind of help and support needed by the students. The students do need their dose of fun sometimes and the understanding and permission for freedom they got from their teachers is what still makes them thankful. The event encouraged new talents to emerge among the children as the students of first year treated as well as a student of fourth year during team trials. It helped them showcase their skills and improve their overall personality with a greater confidence and a stronger belief in themselves.

With the success of ITM Premier League, we can now expect to see similar competitions in the near future and hope that they may go as well as this one did.

**Sport News**

ITM remains an unsurpassed Institute in the NCR region in academics as well as sports. The fact was once again corroborated by the inter college sports meet held in November 2009. The intra college sports tournaments saw some commendable feats being achieved by the students.

The winners in the various events were as follows:

- Best Athletics(Girls)** Nikita
- Best Athletics(Boys)** Jasbir
- Athletics(Boys)**
  - 100 mt. (Participated: 24) Jasbir
  - 200 mt. (Participated: 10) Ravinder
  - 400mt. (Participated: 14) Jasbir
  - 800mt. (Participated: 7) Maninder
  - 1500mt. (Participated: 9) Maninder
  - 3000mt. (Participated: 5) Maninder
- RELAY RACE 4\*100** (Participated: 3 Teams)
  - 1. Jasbir Pranit 2. Nitul 3. Narender
- RELAY RACE 4\*200** (Participated: 3 Teams)
  - 1. Jasbir 2. Pranit
  - 3. Nitul 4. Narender
- RELAY RACE 4\*400** (Participated: 3 Teams)
  - 1. Jasbir 2. Pranit
  - 3. Nitul 4. Narender
- HIGH JUMP** (Participated: 9) Vipin Kumar
- LONG JUMP** (Participated: 13) Vipin Kumar
- SHOT PUT** (Participated: 10) Jitender Mor
- DISCUSS THROW** (Participated: 8) Neeraj Kumar

- JAVELIN THROW** (Participated: 13) Vipin Kumar
- MR. ITM** (Participated: 4) Neeraj
- TABLE TENNIS** (Participated: All Branch Teams)
  - Total 8 Teams
  - 1. Arvind Kumar 2. Ankur Goyal
  - 3. Aashirwad Bomboriya 4. Naman Sharma
- TABLE TENNIS** Nishtha Chodhary
- LAWN TENNIS** Mahima Bhatnagar
- Carom Winner Auto**
  - 1. Ankit Garg 2. Abhishek Yadav
  - 3. Anuj Goswami 4. Hrishabh Verma
- VOLLEY BALL** (Participated: 6 Teams) Vinay Yadav
- STRIKER'S MANIA** (Participated: 13 Teams) Winner -ME
- TUG OF WAR** (Participated: 05 Teams) Winner Civil
- BASKET BALL** (Participated: All Branch Teams)
  - (Total 8 Teams) Winner ME
- CRICKET** (Participated: All Branch Teams)
  - (Total 8 Teams) Rahul Saharya
- Football** Winner -EI
- Lawn Tennis** Winner - ME

- ATHLETICS (Girls)**
  - 100 mt. (Participated: 9) Nikita
  - 200 mt. (Participated: 9) Isha Gill
- RELAY RACE 4\*100** (Participated: 3 Teams)
  - 1. Sakshi 2. Isha Gill
  - 3. Tanya 4. Nidhi Rana
- SHOT PUT** (Participated: 8) Ekta
- DISCUSS THROW** (Participated:8) Ekta
- JAVELIN THROW** (Participated:6) Sakshi
- HIGH JUMP** (Participated:9) Nikita
- LONG JUMP** (Participated:9) Nikita
- BASKET BALL** (Participated: 5 Teams) Megha Gupta
- FOOTBALL** (Participated: 8 Teams) Saumya
- CHESS** (Participated: 8 Teams)
  - 1. Ishita Sharma 2. Divya Tyagi 3. Vibha
- CARROM** (Participated: 8 Teams)
  - 1. Mahima 2. Nisha
- TUG OF WAR** (Participated: 6 Teams) Ravita Atwal
- Cricket Girls 3<sup>rd</sup> Year Winner

**ITM VOLLEYBALL LEAGUE**



Besides Cricket, the Volleyball League was also organized in which eight teams of eight different branches that is ME, CSE, MBA, EI, AUTO IT, ECE, CIVIL participated at the League stage. They was followed by semifinal and final. Overall, 12-League matches, 2 semi finals and one final were played. The Volleyball League was a great success.



*"In times of change, learners inherit the Earth, while the learned find themselves beautifully equipped to deal with a world that no longer exist." - Eric Hoffer*



## Centre of Academic Excellence and Planning (CAEP)

The Centre of Excellence & Planning (CAEP) is responsible for offering professional development services to all faculty, staff and students at the institute. The centre works closely with all faculties to ensure that faculty members are given the greatest possible range of tools and facilities to provide a rich learning experience for students. Academic values include commitment to excellence in particular fields of study, as expressed in teaching, research, and in support of departments and programs.

The Centre aims to cultivate knowledge and critical thinking through dialogue and collaboration. CAEP is dedicated to create an environment for learning and discovery, which fosters personal growth and promotes each person's uniqueness and independence.

### Members of CAEP

**Coordinator:** Ms. Pariza Kamboj

**Members:** Mr. Dinesh Vashisht, Mr. Ambar Bajpai, Mr. Amit Dhamija, Ms. Swati Bhardwaj, Dr. Sunanda Vashisht, Ms. Charu Rana, Ms. Deepti Lather, Dr. Pooja.

### Research Grants Proposals

In July 2009 we applied to AICTE for 14 Proposals under Various grant-in-aid schemes like:

MODROBS: 04 (2 from ECE, 01 from CSE & 1 from ME)

RPS: 10 (4 from ECE, 5 from CSE & 1 from ME)

The activity was coordinated by Ms. Pariza Kamboj.

### Creative Activities

Besides seminars and workshops a few students activities were organized to encourage creativity and give students a platform for their overall development:

**T-Shirt Painting was organized by Mr. Dinesh Vashisht & Mr. Amit Dhamija in Mar 2009.** A number of students participated in the event.

**Poster Making & Debate Competition were organized by Mr. Dinesh Vashisht & Mr. Amit Dhamija on Rajiv Gandhi Jayanti (Urja diwas) 20<sup>th</sup> Aug 2009.** The activities were funded by HREDA. Students took part enthusiastically in both the events & made the events a great success.

### Guest Lectures

With a view to broadening the vision of the students in various areas of engineering, experts from industry were invited to deliver lectures and to interact with students. The activity is coordinated by Dr. Latika Singh & Ms. Charu Rana. A number of guest lecture on various topics were conducted by expertise from the industries. Following guest lectures were organised:

- **Utility Power Generation Equipment** by Mr. S. C. Mittal, GM, Bharat Heavy Electricals Ltd for Faculty and Final Year ME & CE Students on Aug 21, 2009
- **Electronic Control Unit for Automobiles** by Mr. Amit Ghosh, Sr Manager (Services), Maruti Suzuki Ltd Gurgaon on Sep 23, 2009
- **Project management of Infrastructure, Housing and related Civil Works** by Mr. D. K. Goel, Sr Manager (Services), Group, Silverglades, Gurgaon for Faculty & students of Civil Engg. on Aug 12, 2009
- **Evolution, different specialization, achievements of civil engg** by Dr. Ramana G. V for Faculty & students of Civil Engg. on Oct 27, 2009.

### National Seminar for Students

To promote research and developmental activities in the related fields and to provide the students an excellent platform to learn about the latest trends of industry and research a National Seminar on "Nanotechnology: The Recent advances & Applications" was organized on November 06, 2009 at the Institute premises. Dr. Sunanda Vashisht & Mr. Amit Dhamija were the conveners of the seminar. The seminar was a great success.

### Faculty Development Program Jan'10

As Faculty development for existing and future faculty is a pivotal investment for integrating technology in higher education, CAEP organized **Faculty development program from 4<sup>th</sup> Jan'10 to 7<sup>th</sup> Jan'10** The aim of the program was to catalyze innovations in learning across generations. This program was an opportunity to learn the skills required for planning, preparing, practicing and presenting effective lectures.

In the program, 19 faculty members from different departments participated. The duration of course was 4 days. The Teacher for this course was **Mr. Sanjay Sahay**, Principal Consultant of Creation of Future. He has conducted this program in around 30 companies i.e Infosys, wipro, IBM etc.

**Contents of the program are:**

- **Roles & qualities of a good teacher:** enhancing presentation skills, using variety of teaching strategies, evaluating teaching quality, motivating oneself.
- **Learning about learning:** learning theories, key aspects of adult learning, discovery learning methodology, commn. Skills.

- **Presentation skills & session handling:** the Ps of presentation, classroom mgmt. skills, handling difficult behaviors, Do's & Don'ts of handling classes

- **Presentation by participants**

On the first two days resource faculty had delivered inputs to effectively design and deliver of class room lectures. On the next 2 days, each faculty attending the training programs had delivered 20 minutes lecture on the topic of their own choice related to their subject. These lectures were video taped and played back to get feedback on areas of improvement. Feedback was given to each participant s by all other participants on the basis of their presentation skill, body language, interaction etc.

**List of participants:**

**CSE Department:** Ms. Yogita Gigras, Ms. Shaily Mittal, Ms. Supriya Raheja

**IT & SE Department:** Mr. Munish Soni

**ECE & EI Department:** Ms. Vandana Khanna, Ms. Jyothi Varanasi, Ms. Meenu Passi, Mr. Tarun Kumar, Mr. Peeyusha Saurabha, Mr. Vivek Verma, Ms. Komalpreet

**ME & AU Department:** Mr. Shantanu Sur, Mr. Joydeep, Mr. Dinesh, Md. Rashid Akhtar.

**Civil Engineering Department:** Ms. Vaishali Sahu

**App. Sc. & Hum. Department:** Ms. Poornima Gaur, Ms. Ambika Sharma, Dr. B.K. Pathak



At the end of session there was a Self Empowerment session in FDP of about one hour. This was very unique session for the creation of one's future.

**Feedback from participating faculty:**

Faculty participants consistently expressed satisfaction with development program. In addition, most faculty members voluntarily took some action to improve their instructional effectiveness.

### Workshop on "Hands on NS-2"



ITM, Gurgaon conducted a Workshop on "Hands on NS-2" on 27-28th January 2010. The objective was to provide basic knowledge of network simulator NS-2. NS-2 is an emerging and freely available simulator on web; Training of NS-2 is very rare and costly. Many M.Tech students and faculty members from ECE & EI, CSE & IT are engaged in research work in networking. Many of them are using NS-2 simulator for their research. Keeping this in view, CAEP organized a workshop on NS-2 so that an exposure of the tool can be given to the persons involved in research and those to wish to enhance their knowledge. This two day workshop was very helpful and beneficial seeking the knowledge on NS-2 for the simulation of networking related projects and algorithms. 20 candidates participated in the workshop (Including Faculty members & M.Tech. Students). The resource persons in this workshop were: Ms Pariza Kamboj (AP, CSE Deptt.), Ms Kusum Dangi (AP, ECE & EI Deptt), Ms Amanpreet Kaur (AP, ECE & EI Deptt).

*"We must not believe the many, who say that only people ought to be educated but we should rather believe the philosophers who say that only the educated are free." - Epictetus*



## National Seminar on “Nanotechnology : Recent Advances and Applications”

A national seminar was organized on “Nanotechnology: Recent Advances and Applications”. The seminar was sponsored by Department of Science & Technology (DST). The basic aim of the seminar was to integrate the knowledge available in the area of nanotechnology with research, development, planning and applications of nanotechnology. The seminar highlighted the state of the art, the applications and future prospects of nanotechnology. The primary purpose was to encourage research, facilitate applications and help us understand the significance of nano technology in times to come.



The seminar was inaugurated by Prof S. Annapoorni, Physics & Astrophysics Department university of Delhi. The list of speakers included the renowned experts from leading organisations like University of Delhi, University of Vadodara, YMCA Faridabad and other prominent institutes from NCR which indicated the tremendous interest generated by the field of nanotechnology.

## Work shop on Communication Skills

The Department of Applied Sciences and Humanities organized a three-day workshop on *Communication Skills* from 8<sup>th</sup> to 10<sup>th</sup> July, 2009. The Workshop aimed at helping the participants in assessing and enhancing their strengths with respect to oral and written communication.

The workshop was conducted by Prof. Rajan Rai and Dr. N .P.Singh. They were assisted by the English Section of the Department of Applied Sciences and Humanities.

The aim of this workshop was to help the participants improve their proficiency in all areas of communication. The activities in the workshop were designed in such a way that

- The participants may brush up their grammar.
- They may start speaking in English
- They may improve their writing skills.

The workshop was learner oriented. Emphasis was laid on group work, problem solving exercises and simulation activities. It provided meaningful and interesting contexts in which activity related to linguistic development took place.

**Getting to know each other:** This activity was meant to be an ice breaker. The activity was a confidence building exercise with respect to spoken English. The objective of this activity was:

- To encourage participants to get to know each other
- To create a personalized context for developing speaking skills

The purpose of this activity was to help the participants interact with each other, know about each other's interest, share their opinions on topics of common interest and finally introduce themselves and tell other participant about the interests of their partner.

The three day workshop provided the participants an opportunity to :

- brush up their reading skills.
- sharpen their narrative and interactive skills.
- improve their pronunciation.
- learn errors in usage in language.

## From College to Cooperate- Placement Cell

One of the outstanding features of ITM is its excellent Campus Placement record. ITM makes sincere efforts to get maximum job placements to the well deserving students of the Institute. A well organized placement cell is functioning in the Institution with a fulltime dedicated Placement Officer Ms. Bhumika, who continuously monitors the employment potentials and arranges the campus interviews for the students. The Placement Officer maintains a consistent communication with the leading companies 'Nation wide' for placement of the students.

The companies tie-up with the Institute and the recruiting staff. The interview sessions go on for a set number of days and is beneficial to both, the recruiters and the candidates. The candidates get an opportunity to interact with the HR Executives of various companies and hand in their resumes. The recruiters, on the other hand, get to choose from among more number of candidates than any advertisement can ever attract. Major Indian companies visit the campus during placement season. ITM's progressive policies and the adoption of efficient systems have enabled it to reach the zenith.

ITM has an excellent campus placement record with placements in premier

companies with very attractive salary packages. Some of the companies who have visited ITM for campus placements recently include –

Accenture, Andritz Group, Aspiring Minds, Birla Soft, Blue Star Technologies, Capital IQ, Ciena India, Computer Sciences Corporation, Convergys IMG, Dell International Services India Private Limited, Econ Systems, Elitmus, Ericsson, Escorts Group, Global Agrisystem Pvt. Ltd, HCL Technologies, Hitachi Metglas, Honeywell Technologies, HP, Huawei Telecom, IBM, I-Flex Solutions, Indian Air Force, Indian Navy, Infosys, J.B.M.Group, L&T E-solutions, L&T Infotech, L&T Valdel Engineering Limited, Libsys Corporation, Mphasis, Natrip, NEC HCL Systems Ltd., Newgen Software Technologies Ltd., NIIT Technologies, Persistent, Punj Lloyd, Samsung Engineering Pvt. Ltd., Sapient, Satyam Computers, Shriram Pistons & Rings, Smart Chip, SMS Demag, Sona Group, Syntel Inc., Tata Consultancy Services, Tech Mahindra, Valdel Engineers & Constructors, Wipro, Zensar and so on.

The office keeps close liaison with various industrial establishments (both private and public sectors), which conduct campus interviews and select graduate and post-graduate students from all disciplines. The Placement Cell provides the infra-structural facilities to conduct group discussions, tests and interviews. The college actively organises in-campus and out-campus interviews for its students to get proper placement.

150 students of 2006-10 batch have been selected in Indian Navy, Indian Army, Infosys Technologies, Libsys Cooperation, Omega Maritime Management Services.

## SPIC MACAY

SPIC MACAY, Society for promotion of Indian Classical Music and Culture Amongst Youth committed to conserve and promote an awareness of the rich and cultural heritage and development in music, dance, and fine arts among the youth of this country. With a view to facilitating this awareness, the SPIC MACAY society has associated itself with most of the leading institutes in the country and also established its association with this institute by the way of SPIC MACAY ITM Chapter. Its objective is to facilitate the exchange of traditional Indian values and to generate awareness amongst the youth about the rich cultural traditions and heritage of India and to bring cultural and aesthetic awareness into the mainstream of the Indian educational system.



The SPIC MACAY ITM Chapter organised two events at ITM on 28<sup>th</sup> and 29<sup>th</sup> Oct, 2009.

- The students at ITM got a golden opportunity to enjoy the evergreen classic “City Lights”, a 1931 silent American Film – A romantic Comedy on 28<sup>th</sup> Oct, 2009, written and directed by Charlie Chaplin. City Lights was immediately popular and is today remembered as one of the highest accomplishments of Chaplin's prolific career. Although classified as a comedy, City Lights has an ending widely regarded as the finest and most moving in cinema history.
- The students and staff at ITM witnessed on 29<sup>th</sup> Oct,2009 , a captivating santoor performance by Pandit Bhajan Sopori, a Hindustani instrumental composer from Kashmir who has been awarded the **Sangeet Natak Akademi Award in 1993** and the **Padma Shri in 2004**. Pt. Bhajan Sopori who holds a very prestigious place among the musicians of India, has performed for the leading cultural association i.e. national programmes of Radio and Doordarshan. He has also performed in England, U.S.A, Germany, Egypt, Bulgaria, Syria, Belguim, Norway etc.

## MENTORING PROGRAMME FOR FIRST YEAR B. TECH. STUDENTS

An important feature of the Autonomous Policy was seeking suggestions from students. The enthusiasm of the students could be seen in the **Mentoring Programme** coordinated by Dr. Rashmi Tyagi and Ms. Nidhi Sharma, which was initiated as per the advice of Prof. Swaran Ahuja, Vice-Principal. In this programme the students were free to discuss their problems, seek advice from mentors and give suggestions to make the learning environment healthier and student oriented. Some of these suggestions which were received and implemented were construction of basket ball/ lawn tennis and badminton courts, introduction of Inter Branch cricket league and other sports tournaments, issuing of increased number of books to the students in library.

*“It is not so important to know everything as to appreciate what we learn” - Henna More*





## Scholarships

With a view of helping students who belong to economically disadvantaged sections of society ITM granted scholarships to students belonging to weaker sections of society. In its effort to encourage the meritorious students, empower the women, enable the physically disadvantaged and support the economically backward; Rs. 60 lacs were disbursed to 132 students under various schemes in year 2009-10.

## DONATE BLOOD-SAVE LIFE

ITM organised a Blood Donation camp on 6th November 09. Despite a heavy schedule packed with classes and end-term examinations, 500 students set their foot forward for this cause. It was really nice to see so many of us actively showing solidarity for the cause. The donors were checked for any specific abnormalities before the blood was taken out from the system. Most of the students were deemed as capable of donating; a few were rejected, mostly on account of lower haemoglobin count in the blood stream.



## Celebration of 62nd Republic Day

26th January 1950 is one of the most important days in Indian history as it was on this day the constitution of India came into force and India became a truly sovereign state. On this day, India finally enjoyed the freedom of spirit, rule of law and fundamental principle of governance. The patriotic fervour of the Indian people on this day brings the whole country together even in her embedded diversity. The Republic Day celebration commenced with much enthusiasm at ITM. The National flag was hoisted by Dr. B.C. Nakra, Acting Director ITM. The celebration was attended by faculty members.

## Editorial Team

### Editor-in-chief:

Prof. Rajan Rai

### Editor (Faculty):

Ms. Charu Rana, Asst. Prof. ECE&EI

### Student Editors:

Tanya Malik (1st year E&I)

Vidushi (1st year E&I)

Website: [www.itmidia.edu/newsletter.com](http://www.itmidia.edu/newsletter.com)

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## ITM on Being Granted Autonomy

The grant of autonomous status has given ITM the freedom to choose its admission process, structure its own syllabus & design its curriculum in line with the needs of the industry, in its ultimate goal of quality education to the budding engineers. Besides updating and redesigning the basic fundamental courses, a wide range of elective courses have been offered in Applied Mathematics, Management, communication skills and all branches of engineering in order to provide the students enhanced intellectual abilities and professional skills for helping them realise their true potential attain career goals.

Besides offering new courses, a credit system has been introduced wherein a student earns credits in each semester and accumulates a requisite number for earning a degree. The credit system would give students flexibility in pace and a chance to study courses from interdisciplinary courses also.

In order to make teaching learning more effective and provide individual attention to students, the strength of students in each section under the autonomous system has been reduced to 30-40, thus providing a better student-teacher ratio.

**yukti** NGO is an organisation of student volunteers at ITM who have a mission to work for the upliftment of the poor, disadvantaged and underprivileged sections of society. The organisation is committed to bringing a smile on the face of the slum-dwellers. It is a non-profit organization in ITM, Gurgaon. It is all about people coming together from different walks of life, who believe in making life better for the negligent and suffered ones regardless of caste, color, religion or status.

Yukti is working with a mission to help and work for the welfare of children, young people, and their families. Yukti regularly hold different events, under different cells, street plays for general awareness. Blood donation camps, health checkup camps and actively includes informational and motivational events are organised all the year round. Besides distributing old and new clothes to underprivileged children which is called Vastradan. Yukti also shares sweets and crackers with the underprivileged children on Festival occasions like diwali. These were the different activities of Year 2009-10

- Vastrdan in slum areas near Paras hospital and DLF phase 5, Gurgaon.
- On stage performance was given by Street children, Group song and Group Dance in Momentum on 17<sup>th</sup> September 09.
- Gifts, Sweets and Crackers were distributed to the street and slum areas children before Diwali on 15<sup>th</sup> October 09.



## ITM, the only "Platinum" member of British Council Exams Partnership Programme.



Over the past five years ITM had been working in collaboration with the British Council of India in encouraging students to appear for In recognition of its collaboration with British Council, India for BEC exams to add value to their communication skill.

In recognition of its collaboration with British Council, India for BEC program. ITM was honoured with the grant of the Platinum Membership Award. The ceremony was attended by Prof. Rajan Rai and Ms. Shrutimita Mehta on behalf of ITM. Ms. Shrutimita Mehta received the Platinum Membership award on behalf of the Institute from Kevin McLaven, Country Exam Manager British Council India.

English Language Lab: As a part of curriculum redesigning, a practical lab has been introduced for the 1<sup>st</sup> year students. It is competency based course in which student work on three softwares. The language lab course aims at helping students in pronouncing words correctly and learning the mistakes in language usage.

With a view to strengthening the teaching-learning process, a continuous evaluation process was introduced in place of the existing examination system. Besides being integral to the teaching learning process the evaluation process aims at a true assessment of the overall performance of the student especially with respect to classroom participation, cognitive abilities and analytical skills. Along with this the grading system has been introduced in accordance with the practices of the leading Institutes in the country.

With a view to sharpening their soft skills, value added courses have been introduced. The students of 1<sup>st</sup> semester underwent a Personality Development Program aimed at sharpening their communication skills value added course this to sharper their general awareness and their soft skills.

## Ericsson Signs MoU with ITM-Gurgaon



A Memorandum of Understanding (MoU) was signed on 26<sup>th</sup> August 2009 between ITM, Gurgaon and Ericsson India Pvt. Ltd, a company incorporated under the Indian Companies Act, 1956 having its Registered office at 4<sup>th</sup> Floor, Dakha House, 18/17, W.E.A., Pusa Lane, Karol Bagh, New Delhi 110 005, India, and its corporate office at DLF Cybercity, Sector 25-A, Gurgaon.

As communicated to ITM, Ericsson India Pvt. Ltd wishes to impart trainings to the seventh semester students of Electronics & Communication Engineering of the Institute. This training which would help students understand the industrial application of communication technology in a better way. In consideration of company sponsoring and meeting the entire expenses of the training of students the Institute assures the company of the successful completion of training.

The basic criteria of imparting the training are:

- The Institute will enrol 25 students of Electronics & communication for the certification.
- The Institute along with the company will promote the scheme of training among the students.
- The eligible students will undergo various web based and classroom trainings.
- The Company shall, upon successful completion of training award the students with certificates.

*"Change does not necessarily assure progress, but progress implacably requires change." - Henry Steele Commager*