Vector Tech
magnitude & direction

EDITORIAL

Dear Reader,

"….Men may come and men may go; But I go on forever." These lines from Lord Alfred Tennyson's <u>The Song of the Brook,</u> exalt the dynamic permanence of the brook, simultaneously emphasizing the transience of human drama enacted on its banks.

ITM, like Tennyson's 'Brook', renews itself each year and goes on, even as the group of its beloved alumni grows and new students enter its fold… **Vector Tech** is witness to this perennial cycle, not as a passive spectator, but as an involved participant, and seeks to celebrate it.

In this issue, we rewind the past session through words and visuals and bring you interviews of four senior faculty members at the Institute. Besides, we draw upon cues taken from the reception of and reaction to the previous maiden 'new look' issue. The last issue was welcomed warmly by most, though there were a few puzzling signs of apathy among students to it. To tide over it, we have introduced the features of "Readers' Forum" and "Campus Graffiti" so that a cardinal component of ITM's being gets its place and platform for interaction.

The placements at ITM have peaked to an all-time high of 93% this year for the 2002 batch, in some of the most renowned organizations of the world. We, at VT, hail this achievement as the triumphant collective effort of the students, faculty and management.

And so with a euphoric air and jubilant spirit we bring out this issue inviting you to be a part of all the sanguinity of it. Happy reading!!!

Ms. Mona Malik

(Editor-in-chief)
E-mail: 09.mona@gmail.com

VT is brought out under the aegis of Center of Academic Excellence & Planning, Coordinator: **Dr. Jyoti Sinha**

Inside...

NEW VISTAS OF LEARNING

Education is the passport to an empowered and enlightened future. This has never been more pertinent than now for a globalized info tech society. Professional skill is the key to a rewarding career for the Gen-Y and ITM affords portals for the same. The Institute has come to hold a respectable clout among the comity of engineering institutions in the state and NCR. And as a proof and product of its pursuit of excellence, it has been conferred with an official enhancement in seats and courses from the academic session starting in August 2007.

At the under-graduate level, a new course viz., Automobile Engg., is set to be introduced by the Deptt. of Mech. Engg. with an initial intake of 30. Besides, there is slated to be a healthy increase in the number of seats in each of the existing branches (excepting IT) of B.E.

A milestone of sorts has been crossed with the introduction, for the first time ever, in the current academic session of three post-graduate courses under the technical deptts. at the Institute. With this, the Institute acquires a valued distinction and status as an center for higher studies. The full battery of courses and programmes run at ITM with affiliation to MDU, Rohtak stands as follows:

UNDERGRADUATE COURSES

Name	Number of Seats
Computer Science & Engineering	120
Electronics & Communication Engineering	120
Electronics & Instrumentation Engineering	60
Information Technology	60
Mechanical Engineering	120
Automobile Engineering	30
Total	510

POSTGRADUATE COURSES

Name	Number of Seats
M.E. Electronics & Communications Engineering	18
M.E. Computer Science & Engineering	18
M.E. Mechanical Engineering	18
Total	54

A glance is suffice to discern a reason to be proud and sanguine for those associated with ITM…..an institute on the move!

CONGRATULATIONS DR. AHUJA!
New Dean at ITM... A Profile

"The challenge of leadership is to be strong, but not rude; be bold but not bully; be thoughtful but not lazy; be humble but not timid; have humor, but without folly."

And Dr. Swaran S. Ahuja, the newly-appointed Dean of our College answers to this challenge perfectly. A man of admirable ability and aplomb, Dr. Ahuja has an eminent academic background and a colossal work-experience of twenty-five years in the industry.

Dr. Ahuja did his B.Tech. in Electrical Engineering and M.Tech. in Electronics and Communication Engineering from IIT, Delhi and went on to do his Ph.D. in Digital Signal Processing in 1980 also from the same Institute.

Since then, he has worked in various industries, including Avionics, Telecom and IT. His main areas of specialization have been Wireless Communications and Digital Signal Processing. Equipped with sound academic training and innate flair, Dr. Ahuja developed a number of products and systems that have been put to profitable commercial use in industry. These include Radio Telephone Systems, Synthesized Land Mobile Radios, Radio Direction Finding Systems, Point-to-Point Microwave Systems, VSAT Systems and High-Speed Radio Modems.

Despite his predominant preoccupation in industry, Dr. Ahuja has maintained an active academic and research profile. He has a number of papers in international journals to his credit and has participated and organized several technology conferences.

Dr. Ahuja's tenure at ITM began in 2004 and since then he has officiated ably and eminently in different capacities at the Institute. He headed the Deptt. of Applied Sciences and Humanities and briefly, before taking on the mantle of the headship of the Deptt. of ECE & EI which he continues to hold. He is also the founder of a novel and salubrious exercise of 'Mentoring' which aims to facilitate the genial assimilation of first-year students at the Institute.

We, at ITM, warmly welcome and applaud his sagacious appointment as the Dean. And we are confident that the Institute will march on to its bright future with Dr. Ahuja as one of the visionary and experienced captains at the helm.

No one can make you feel inferior without your consent – Eleanor Roosevelt

FACE-TO-FACE

Prof. A.K. Dua
(Computer Science & Info Tech Deptt.)

Professor Dua is one of the very few teacher-cum-guides' that actuate the multifaceted possibilities in the four walls of the classroom. He understands the pulse of the industry & students alike.

This is an excerpt of our tête-à-tête with him:

: To what factors do you attribute the tremendous increase in the rate of placements of CSE & IT engineers? How do you plan to maintain this progress?

A: I consider the training imparted to the students here as very pertinent & informed. Effective efforts have been made to help students gain skills for greater acceptability in the industry. Misconceptions & problems related to certain useful subjects like DBMS have been conscientiously sought to be removed. Further effort is called for to introduce students to new technologies like Dotnet, Visual technologies like Rapid Application Development to hone their skills for greater success in placement.

: How can the Industry-Institute Interface improve?

A: We should reach out to reputed IT companies inviting them to moot projects here for the 2nd year. Students should be selected from the 2nd yr- batch by them & groomed to acquire skill-sets according to their respective needs, without however the commitment to recruit them at the end of their Engineering course. Infosys Campus Connect Program was one such venture. Companies are very particular about planned training and project exercises. Therefore, the 6-week training at the end of 4th & 6th semesters has been fine tuned by bringing it into continuity with the final year projects.

: Do you think that the final year projects need to be handled in a more professional way than they are now?

A: Yes. I suggest that well-defined student groups should be associated with faculties to work on projects belonging to the discrete specialization areas of the latter. In fact, each faculty should float 4-5 projects wherein he or she has the advantage of in-depth study and should guide the students who take up those projects through constant supervision and counsel.

: What are your views of former students taking up teaching at ITM?

A: I am very keen about the alumni coming back to teach. In fact, in line with the more general policy being deliberated at the highest administrative level, I would like to have a mechanism in place whereby IT professionals prepared by ITM come back after some years of hands-on experience to share their expertise & insight. It'll be a mutually beneficial exercise. The professional-turned-teachers can evolve by updating themselves in this phenomenally developing field. Students will be better equipped with an insight of current developments.

Mrs. Shrutimita Mehta
(Applied Sciences & Humanities Deptt.)

Mrs. Shrutimita Mehta, one of the longest serving faculty at the Institute, is a dynamic & multi-faceted personality. She enjoys an excellent rapport with students due to her pleasant disposition, eloquence in her subject, and rich experience.

This is an excerpt of our tête-à-tête with her:

Q: How can the role of your Deptt. be made broader in a technical Institute like ITM?

A: The Department plays an important role in building competent and well-rounded engineers. Although the Department does not teach core Engineering subjects, it helps future Engineers acquire soft- skills, analytical approach and professional ethics, and grooms them to be successful contemporary professionals.

Q: How can we improve overall productivity per student, say in a class of 60?

A: We can make the entire class come alive to a subject by enabling each individual to participate actively and meaningfully. The lecture can begin with a general discussion on the topic that has been promulgated in advance. The teacher can then build on the interactive foundation with a completely nuanced lecture.

Q: How can the teaching of English, as a subject, be made more in tune with the need of students?

A: It is important for today's engineers to be competent and conversant in English. Besides teaching the curricular courses prescribed by the MDU , the Deptt. is coming up with certain value-added courses on personality development, communication skills, interview skills etc. A hi-tech language laboratory is in the offing. The teaching can then concentrate more on the needs of individual students & groom them accordingly.

Q: How can we make the student participation in the annual cultural events of MOMENTUM & SPICMACAY more performance-oriented than certificate-oriented?

A: Through participation in extra curricular activities afforded by these events, a student learns to acquire the qualities of responsibility, leadership & commitment. He is motivated to become a good manager, a good team worker, and a good human being. Students need be enlightened about the immense significance of these life-skills.

Q: How do you think teaching by the Deptt. can move towards its ideal of maximum effectiveness?

A: The department is constantly working hard towards continuous improvement in its pedagogical expertise. The faculty are involved in activities of self-development through participation in workshops and seminars. The Deptt. brings out a biannual periodical VANI' which mirrors their academic endeavors. We also propose to regularly conduct seminars like the one organized in May 2006 so that the faculty get a chance to meet their learned contemporaries and gain deeper insights into their subject.

Prof. Chaggar
(Mechanical Deptt.)

A man of eclectic experiences in Industry & Teaching, Professor A.S. Chaggar has the innate proclivities of an academician – keen observation, patience & will to learn.

This is an excerpt of our tête-à-tête with him:

: Are you satisfied with the rate of placements of the Mech. Engineers in past few years?

A: Yes, there has been a definite improvement with more than 60 of the Mech. Engineers prepared by the Institute getting placed well in the past three years. But there is still a tremendous scope for further improvement in both qualitative and quantitative terms.

: What steps have been taken by your Deptt. to help the students get greater acceptance in Industry?

A: The Deptt. follows a 3-pronged approach in the pursuit of preparing future Mech. engineers. It includes industry visits, training & project work. The frequent industry visits present great opportunity to be familiar with the current work environment. Then, the training provided at the end of 2nd & 3rd years involves an extensive mechanism of feedback including a presentation, a report on the training received, and a session of cross-questioning by a board of faculty members. Further, students are encouraged to get projects from industry so that they have the advantage of experienced industry-oriented guides. This fruitfully equips them for the industry

: How can the productivity per student be increased?

A: I think the system of forming tutorial batches according to academic performance is not conducive to providing competitive & robust learning environment to the weaker students. A mixed group helps the latter to inculcate certain qualities of the brightest of the lot. This system is also not quite healthy vis-à-vis teachers. So, I would suggest a more random division.

: What are the weaknesses in the system of preparing students for the Industry?

A: There is certainly commendable sincerity, discipline, & seriousness in the system. However, the frivolousness & happy-go-lucky attitude in the students as they advance in years at the Institute is puzzling & discouraging. It punctures the effectiveness of the efforts put in by us. The issue does indeed require a keen rational analysis and action.

: How do you rate the Library maintained by your Department?

A: The Deptt. does have a respectable library furnished with good international journals, books, project reports etc. But it is on a small scale and should be enhanced. However, I'm more than satisfied with the stock of books related to the curriculum maintained in the main library.

Dr. Manoj K. Pandey
(ECE & EI Deptt.)

Dr. Pandey, a man of genial disposition, comes across as a seasoned professional with years of enriching experience behind him. A keen observer & a proactive teacher, he indeed has deep insights to offer.

This is an excerpt of our tête-à-tête with him:

Q: How do you rate the engineers prepared by your Dept?

A: They are competent enough to prove themselves in industry. Their increasing success in getting breaks in good companies vouches for their capability. However, I must add that they lack adequate skills to be directly useful. They need to be groomed so as to be absorbed without any hitches. To this end, the Dept. tries to train the electronics engineers in relevant software skills like CC , DBMS in line with the demands in industry today.

Q: How can Industry-Institute interface improve?

A: The MDU curriculum needs to be updated & be made more professional & contemporary. Industry visits by students during their engineering course need to be made more frequent to give them first-hand acquaintance with the existing trends & patterns, skills & proficiency required therein.

Q: How do you rate the Library maintained by your Department?

A: It is an innovative & salubrious effort on the part of the Dept. The library is aimed to facilitate referral & research endeavors. It subscribes to a very impressive array of IEEE journals that are remarkable for their contemporary erudition. Students & faculty both have easy access to it. It is relevantly updated and periodically replenished.

Q: What are your suggestions for integrating alumni into our system for improving our placements?

A: nfortunately, college is not doing enough to establish contacts with the alumni. The alumni meet should be arranged regularly to foster a mutually enriching emotional connection. This would serve to revitalize in the alumni a delightful sense of belonging to their alma mater and would bring the Institute great tangible and intangible returns. The alumni are indeed the proud face of an institution in the professional world and provide the key to greater relevance and leverage therein.

Q: Teaching requires continuous improvements & reinvention of self in order to excel. How do you think teaching by the Dept. can move towards its ideal?

A: The faculty in ECE Deptt. is very proficient and dedicated. They have proved their mettle beyond doubt. They should however, seek to better themselves in order to be flawlessly sound & substantive and to face any query in the classroom. The race of quality, it is rightly said, has no finish line.

The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn and relearn — Alvin Toffler

BLOOD DONATION CAMP HELD AT ITM: REDEEMING LIFE

Blood donation is a noble act dedicated to the weal and well-being of the suffering humanity. The Rotary Club has done yeoman's service in this area by organizing Blood Donation Camps frequently. It is responsible for providing safe blood to hospitals and healthcare institutions. It actively motivates and educates the community about the benefits of blood donation.

Blood donation camp at ITM on 6th March 2006 was yet another noble endeavor made by this altruistic organization. The Principal of ITM, Dr. Rakesh Ranjan declared the camp open at 9 a.m. The exercise lasted for eight hours, ending at 5 p.m.

On registering, the donors were given a meticulous medical examination and then treated to a nourishing repast. A team of doctors was present to answer the volunteers' queries and to allay their doubts. After donating blood, each donor received a Certificate and a token of appreciation. The overwhelming response of the students and faculty alike, was appreciated by one and all. The donors were legion, from different departments: ECE & EI (177), CSE &IT (128), ME (81); the faculty & adminis-trative staff (24) and the Rotary Club staff (7).

Rotary Club President, Rtn. Rohit Bhatia, along with members of the coordination team – Rtn. Sushil Khurana and Rtn. Paramjeet Oberoi, was impressed by the professional manner in which the volunteers coordinated the camp. The event was indeed an immensely successful exercise in the pursuit of a humanitarian cause. ITM is committed to such philanthropist causes, now and forever.

Riddlemarithmatic

i.   1+23+4+5+67=100 is one way of inserting plus signs into 1234567 so that the result adds up to100. Find another way.

ii. My twin lives at the reverse of my house no. The differences between our house nos. ends in 2. What are the lowest possible nos. of our houses?

iii. My double exceeds my half by 2? What am I?

iv. What is the smallest whole number that increases by 12 when it is turned upside down?

v.   2+2 comes to the same as 2X2. Find a set of three different whole nos. whose sum is equal to their total when multiplied.

Riddles Undone:
i.   1+2+34+56+7=100
ii. 19, 91
iii. 1.333
iv. 86
v.   1,2 & 3

FROM THE DEPARTMENTAL DESK

We congratulate Prof. B.C. Nakra for his appointment as the Head of the Mechanical Depatment.

Department of ECE & EI

- Prof. Swaran S. Ahuja, the HOD has been promoted to the office of Dean of the College. Besides, he continues to head the Dept. Mr. A.K. Nigam has been promoted to the post of Professor while Mr. Manoj Pandey has been awarded Associate Professorship. Mr. Gian Chandra has been promoted as Senior Lecturer.

- AICTE sanctioned an amount of ten lakh rupees against a proposal sent by the Deptt. for upgradation and modernization of Comm. Engg. Labs under MODROB (Scheme for Modernization and Removal of Obsolescence in Technical Education).

- Ms. Kiranpal Kaur, Mr. Jitendra Mohan, Mr. Arun Kumar and Mr. Shikhar Saxena joined as new faculty members.

- Mr. Alok Kushwaha, Mr. Manoj K. Pandey, Mr. Kamal Thakur, developed a Digital System Design Lab to teach VHDL language for the simulation of Digital Circuits to 3rd year students.

- Mr. Pyare Mohan Tiwari presented a paper in the IEEE-sponsored National Conference on "Energy, Communi-cation and Computer Systems".

- Mr. Nitin Malik and Mr. P.M. Tiwari co-authored a paper published in National Con-ference on "Commu-nication and Computational Techniques: Current and Future Trends" organized by Directorate of Technical Education, Govt. of Uttranchal in association with TEQIP, World Bank.

- Mr. Nitin Malik published one research paper each in the International Conference on "Intelligent Systems & Net-works", CAT, Haryana, and the National Conference on "Energy, Comm. and Computer Systems", MAIT, Delhi.

- Mr. J.P. Shivhare presented two technical papers in National Conferences held at BITS, Pilani and Deen Dayal Upadhyay College, DU.

- Mrs. Himani presented two technical papers in National Conferences organized by MM Engg. College, Mullana, Haryana.

- Mr. Alok Kushwaha presented a technical paper in National Conference on "Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries" organized by Delhi University. He also published a paper in International Journal of Semiconductor Technology and Science, Korea.

- Prof. S.C. Tripathy organized a Conference on "Recent Advances in Science and Technology" on April 19-20, 2006. The Conference was co-sponsored by ISTE & IEE (UK).

- Mr. Jagdish Shivhare arranged a 1-day Seminar on "Nanotechnology: Our Gateway to Everything in 21st Century" on April 17, 2006.

- Prof. A.K. Nigam and Mr. Jagdish Shivhare conducted a series of value-addition lectures for students of the Deptt. during Nov 2005 to April 2006, on various Technical and Personality Development Topics, to equip them better for on-campus placement. Mr. Shivhare also took students on an educational tour to HCL-Comnet Ltd. On February 3, 2006.

Department of Applied Sciences & Humanities

- Dr. Neeraj Bhardwaj, Dr. Pooja Malik, Ms. Garima Dalal, and Mr. Naveen Kumar joined as new faculty members in the Department.

- Dr. Jyoti Sinha, and Dr. Kalika Srivastava have been promoted to the post of Associate Professor while Dr. Veer Singh has been promoted as Assistant Professor.

- A 1-day National Conference on "Contribution of Mathematics in Technological Development" was organized by the Deptt. in the memory of the great Indian mathematical prodigy, Srinivasa A. Ramanujan, on May 4, 2006.

- Mrs. Shrutimita Mehta contributed a paper "Shashi Deshpande: The Dark Holds No Terrors: A Study" in The International Journal on English Studies, Volume 1, 2005.

Department of CSE & IT

- Ms. Bhavna Saxena, Ms. Anupma Yadav, Ms. Suman Chutani, and Ms. Jyoti Sulakhanal joined as new faculty members in the Deptt.

- The Deptt. organized a National Seminar on " Smart Governance for Rural Development" sponsored by AICTE at India Habitat Center, New Delhi, on Feb 17/18, 2006. Mr. Varun Kumar and Ms. Inderjeet Kaur presented their respective papers, co-authored by them with other research scholars.

- Dr. Asit K. Dutta completed his Ph.D. from Jamia Millia Islamia University.

- Dr. Asit K. Dutta has contributed a paper "A Method of Intelligent System to answer queries in Relational Database" to be published in IEEE-IS- (UK).

- Ms. Inderjeet Kaur presented a paper, co-authored by her with Mr. Varun Kumar and Puneet Goswami, at the National Conference on "Information Technology: Setting Trends in Modern Era and 8th Annual Conference of Indian Society of Information Theory and Applications", in March 2006.

- Mr. Varun Kumar and Ms. Inderjeet Kaur presented their papers at the National Conference on "Information Technology & its Applications" held at Bharati Vidyapeeth College of Engg., New Delhi, in April 2006.

- Ms. Inderjeet Kaur presented a paper, "Parallel Computing Environments and Methods", co-written with Mr. Varun Kumar and Mr. Puneet Goswami, at National Conference on "Contribution of Mathematics in Technological Development", and sponsored by AICTE & DST, held at ITM on May 4, 2006.

- Ms. Inderjeet Kaur presented a paper on "Fourth Generation Wireless Infrastructure", co-authored with Mr. Ashish Sharma and Mr. Saurabh Shukla, at the National Conference on "Innovative Applications of IT and Management for Economic Growth of India", held at Apeejay Institute, Jalandhar, in April 2006.

Department of ME

- Prof. B.C. Nakra and Mr. Subhash Chand joined the Department as new faculty members.

- A new branch of Automobile Engineering at the undergraduate level is to be set up under the Deptt. from July 2006. And the intake of students for B.E., Mech. Engg., is set to increase by 60 from the Academic Session 2006-07.

- A new post-graduate course, Masters of Engg., will begin under the aegis of Deptt. from July2006.

- Prof. B.C. Nakra presented a paper, "Dynamic Design for Vibration Control" at a Conference organized at ITM on April 19/20, 2006, and co-sponsored by ISTE & IEE (UK).

- Prof. B.C. Nakra presented a paper "Trends in Modal Identification and Dynamic Design" at the National Conference organized at ITM on May 4, 2006.

- Mr. K.B. Sehgal coordinated a short-term course on CNC machine under the aegis of the Deptt.

- A certificate course on Pro/Engineer for the students of the Deptt. was organized by Mr. Prahlad Singh, Mr. Ravi Sharma, and Mr. Subhash Chand.

What lies behind us and what lies before us are tiny matters compared to what lies within us — Ralph Waldo Emerson

AICTE " MODROBS" GRANT: A STEPPING STONE

Relevance and constant renewal define the pursuit of excellence in education. And MODROBS is the tool for the same in technical education.

Modernization and Removal of Obsolescence (MODROBS) is a scheme executed by AICTE whereby it provides financial assistance to technical institutions to modernize and remove obsolescence in labs, workshops, and computing facilities with a view to enhance the functional efficiency of these institutions in teaching, training, and research. It also supports new innovations in class room and laboratory / teaching technology and development of lab instructional material to ensure that project work to be carried out by students is contemporary and suited to the needs of the Industry.

The equipment financed under the scheme is up to a cost limit of Rs. 1.5 million. The funds can be ideally used for upgrading equipment in existing labs, incorporation of latest developments in the field, and replacement of old equipment by modern equipment. In MODROBS scheme, the Head of the Department submitting the proposal is the Project Coordinator.

It is a matter of immense gratification that ITM has got the approval for a wholesome grant from AICTE under this scheme. ECE& EI department had taken up a proposal to modernize the existing lab facilities in the department. Prof. A.K. Nigam and Prof. Shivhare jointly finalized the proposal under the overall guidance of Prof. Swaran Ahuja, HOD, ECE & EI, for an overall amount of Rs.1.30 million. The amount thus far sanctioned is to the tune of Rs. 1 million. This grant launches ITM into a clique of handful of private institutions that have been deemed worthy of such patronage. It adds one more feather to the ITM's cap and promises a brighter future!

REAL MENAGERIE

- The Tibetan Ox…Yak
- Giant Spider that can live for up to 30 years… Tarantula
- The story goes that this was accidentally named after the aboriginal word for "I don't know"………Kangaroo.
- Beetle that feeds on aphid, and is named after the Virgin Mary… Ladybird.
- The largest living bird, now found only in Africa, but increasingly farmed elsewhere for its meat…Ostrich.

CEREBRATION 2006: ITM'S TECHNOLYMPICS

Cerebration is the portmanteau hybrid of 'Cerebrum' & 'Celebration', that is, Intelligence plus Festivity. In its attempt to foster the spirit of healthy competition and to groom young enthusiastic achievers in academics and extra-academics alike, ITM organized a two-day Technical Fest on **24 & 25 of March** in the College premises in Gurgaon. The Campus teemed with a legion of students from different colleges testifying to the ever-growing importance of technology among the Gen-Y. The festival acted as a platform for students to explore and exhibit their talent and ideas, and to learn to handle competition through initiative, collaboration and cooperation.

The inaugural session started at 10a.m. on the fine morning of Friday, 24th Feb., with the amiable Dr. Mamik, ex-Vice-President, SRG system, as the chief guest. Dr. Rakesh Ranjan, Principal of ITM, heralded the day's events with his address, wherein he hailed "Cerebration" for honing the technical and creative skills of students. Dr. Mamik, in his laudatory speech, congratulated and appreciated ITM for its imaginative and efficient use of scarce resources to conduct a technical festival.

The mosaic of Inter-college events, spread over two days, followed the elegant Inauguration, putting to test the all-round skills of an Engineer. The events included *Pro E Designing*, an opportunity for students to showcase their mesmerizing designing skills using AUTO CAD. This was followed by *Prowess-The Technical Quiz* testing engineers on their hi-tech fitness in the world of electronics, computers and automotives *E-Garb-The Electronic junkyard* was another innovative event.

IEEE–Bugicide was the most charming and challenging events of the day where the participants had to demonstrate their debugging skills. The managerial and business skills of the 'future managers' were put to test in *Acumen. Dialectic-the Debate* focused on the big-time arguments like the 'Indo-US Nuclear Deal' and 'The MCD Demolition Drive, A Drive towards justice?'

LAN gaming was organized for all those whose interests lie deep within the realms of the virtual world. It featured games for all genres – strategy, sport and of course the traditional first-person shooter. Stiff competition dominated the atmosphere of the game room. Cerebration also included the trickiest event of all, called the *Dalal Street*, *The Stock Market Simulation Game,* providing the participants with the thrill of trading in a virtual stock market.

Then there was the flummoxing *Crypto Quiz* for code breakers- a war where the battlefield is your brain. The Technical Fest also catered to the interests of the Architects and designers with *Nirmaan,* bolstering their imagination and casting-creativity through modeling structures with materials such as thermocol, straws etc.

ATV was one of the final events of the day; also called *The All Terrain Vehicle,* it involved participants designing an omnipotent vehicle that could survive the roughest, toughest, wackiest and craziest terrains to victory.

The 2-day extravaganza was rounded off with prize distribution ceremony wherein the winners of all the events described above were felicitated and congratulated by the honorable Heads of the four Deptts. at the Institute. The stupendous effort put in by ITMites helped in making the mega-event a huge success. It got ample media attention and appreciation, and brought happy and satisfied smiles, for "an action well performed is a reward in itself".

IEEE "FIRMWARE" INAUGURATION: A VISIONARY START

The IEEE is the world's leading professional association for the advancement of technology. It consists of over 365,000 members including 68,000 students in over 150 countries. ITM is proud to announce that it is now a part of the IEEE family, one of the 1,430 student branches across the globe. The branch christened – "ITM IEEE FIRMWARE" - was formally inaugurated in an elegant ceremony on 7th February 2006 held at the Seminar Hall under the stewardship of Dr. Manoj K. Pandey, Assistant Prof., ECE & EI Deptt.

The inaugural ceremony began at 2:30p.m., upon the arrival of the guests of honor, Prof. Mini X. Thomas, Secretary, IEEE-Delhi Section, and Mr. P.V. Ekande, Chairman, IEEE-Delhi Section. The esteemed guests were welcomed with a bouquet of flowers, whereupon they proceeded for the lighting of ceremonial lamp. The branch certificate was inaugurated amidst a large round of applause, which exalted the initiative and the effort behind this achievement.

The gathering of student members of FIRMWARE was inspiringly addressed by the Branch Counselor, Dr. Pandey; the Principal, Dr. Rakesh Ranjan; and HOD, ECE & EI, Prof. Swaran Ahuja. They encouraged the students to avail themselves of this globally acclaimed platform to the utmost for academic and intellectual advancement. Prof. Mini X. Thomas congratulated the Branch Counselor and ITM on the quick and efficient opening of the branch. Prof. P.V. Ekande enlightened the students about the benefits of joining the IEEE and discussed the forthcoming activities of the body. The student office-bearers of FIRMWARE: Uday Singh, Chairman; and Siddhartha Singh, Vice-Chairman, shared their thoughts with the audience as well, before the itinerary was released. To render this ceremony memorable and to underscore its significance , the guests of honor were presented with mementoes by the Principal. Once all formalities were completed, the gathering proceeded to the cafeteria for informal interaction over high tea.

"FIRMWARE" has been one of the fastest opened branches in the region. This feat would not have been possible without the dedication and determined drive of Dr. Manoj K. Pandey and other members involved in setting up the branch. Various newspapers of Gurgaon, such as Amar Ujaala, Dainik Bhaskar and Dainik Jagran covered this event in their esteemed publications.

It is our sincere hope that this robust beginning leads to enriching and rewarding pathways for students.

The mighty oak was once just a small nut that stood his ground— Rianna Nadon

NATIONAL SEMINAR ON "RENEWABLE ENERGY TECHNOLOGY & APPLICATIONS"

The year 2006 began at a propitious note for ITM. A national seminar concentrating on a futuristic theme – efficient technology for tapping renewable energy - was successfully conducted in the College premises on January 6, 2006.

The Hon'ble Registrar of MDU, Mr. Shyamal Mishra, was the Chief Guest at the Seminar.

The Governing Body graciously patronized the event. The organizing committee comprised Dr. Rakesh Ranjan, Prinicipal, ITM, as the Chairperson and Heads of the four Departments in the Institute as members. Dr. Jyoti Sinha, Associate Professor, Applied Science and Humanities, was the Convener while Mr. Alok Khushwaha, Asstt. Professor, ECE & EI; Mr. Prahlad Singh, Sr. Lecturer, ME; and Dr Rashmi Tyagi, Sr. Lecturer, Humanities & Applied Science, were the apposite Coordinators. The Seminar was sponsored by Indian Oil, Appin Knowledge Solutions & the MDU. Sahara Samay provided the media coverage.

The Seminar explored various facets of a theme highly pertinent in the modern energy starved scenario. Its strategic objective was to discuss ways to promote innovative technologies for substantial energy saving. The agenda touched upon many aspects of renewable energy production such as biomass and biogas resources, economics and financing of solar energy system, photovoltaic technologies, remote area power supplies, wave and tidal energy, and wind energy generation.

The event was graced by scholars such as Prof. D.P. Kothari and Prof. H.P. Garg, from reputed centers of learning like IIT-Delhi. Veteran faculty members from our College, Prof. S.C. Tripathy, Prof. O.P. Chawla, Dr. Rashmi Tyagi and Dr. Jyoti Sinha, presented their respective papers exhibiting their experience, study and research. Revered academicians from other Institutes in Gurgaon and Faridabad is also presented their views touching deep on the theme.

The Seminar was a runaway success in terms of wide-ranging deliberation on the core theme and the myriad thought bubbles it generated.

NATIONAL SEMINAR ON "SMART GOVERNANCE FOR RURAL DEVELOPMENT": A TRAIL BLAZER

On February 17 & 18, 2006, our College organized a seminar based on the theme: "Smart Governance for Rural Development" at the India Habitat Centre, New Delhi. It was the first time that our College had organized an event on such a large scale, not only in terms of participation & sponsorship, but also the universal appeal of the topic of the seminar.

The *Guest of Honor,* Dr. M. Jagannath, Member of Parliament, stressed on the strength and significance of enlightened and

spirited address to the audience, he endorsed the immense potential of the "Bharat Nirmaan Mission" & PURA (Providing Urban Facilities in Rural Areas) plans of our respected President, Dr. A.P.J. Abdul Kalam. He added that IT could revolutionize the lives of the rural people.

The Keynote Address was delivered by Prof. Raj S. Dhankar, Vice-Chancellor, MDU, wherein he stressed the need for shaping the rural economic system through a pragmatic & holistic approach.

The two-day seminar was divided into 5 sessions, each covering a different aspect of the operation of e-governance in the rural areas. In each session, noted scholars and respected men in industry shared their informed opinion on the subject with the audience. Then, there was also an interactive panel discussion, where the audience, both students & faculty members, got a chance to quiz our esteemed panelists: Mr. Sudhir Ahluwalia, from TCS and Mr. Dinesh C. Sharma, noted journalist & columnist.

The event concluded with a Valedictory Session, recapitulating all the major issues discussed throughout the 2-day schedule of the seminar. While on one hand, this session saw enduring kernels of wisdom disseminated in the addresses of veterans

emancipated woman folk in the progress of society. Besides, he averred that the youth of the nation should reach out to the humblest grass-root level of the society and exert themselves whole-heartedly in its uplift. He added that there is a requirement of high literacy rate for real success and relevance of Information Technology in rural India.

Member of Parliament, Mr. Sachin Pilot graced the occasion as *the Chief Guest* for the Inaugural Session on Day 1. In his

like Mr. T.S. Oberoi (a former Judge) & Dr. K. Jayakumar (Vice-chancellor, SMU), on the other, it witnessed some very innovative ideas come to life in the words of Mr. Pradeep Gupta, MD, Cybermedia Publications. This helped the audience form a balanced opinion regarding the ways to achieve efficient utilization of resources for smart governance while still preserving the intrinsic diversity of our rural culture.

It was gratifying to see that the Seminar was able to achieve its goal. It helped all realize the indispensable role that the IT-savvy youth has to play for the welfare of its villages.

The event would have been a mere pipedream if our Principal, Dr. Rakesh Ranjan & members of the Governing Body hadn't exerted themselves so earnestly and conscientiously to the cause. All the HOD's and faculty members worked with inimitable dedication and urgent sense of mission. Finally, hats off to all the student coordinators who did not bother working overtime & did their jobs with utmost loyalty and gusto.

The Event has indeed acquired the niche of a guiding beacon for the Institute to undertake similar and more ambitious endeavors in the future.

CONTRIBUTION OF MATHEMATICS IN TECHNOLOGICAL DEVELOPMENT: A MATHEMATICAL COLLOQUIUM

Mathematics is, in its way, the poetry of logical ideas. To emphasize the echo of this poetry in technological development of contemporary times and to celebrate the contribution of the mathematical prodigy of India, S. Ramanujan, marked the keynote of the one-day conference organized at the ITM on May 4, 2006 by the Deptt. of Applied Sciences and Humanities.

The Chief Guest at the occasion was Professor Kirit Parikh, Member of the Planning Commission. The Conclave was inaugurated at 10.00 a.m. with the lighting of the ceremonial lamp by Prof. Parikh, followed by the soulful rendition of Saraswati Vandana by a choir of talented students.

Dr. A.P. Gupta, the Convener of the Conference and Head of the Deptt. of Applied Sciences & Humanities, started the proceedings of the day with a succinct biographical delineation of Srinivas Ramanujan.

The Principal, Dr. Rakesh Ranjan, delivered the welcome note wherein he exalted the inspiring scholarship and academic virtuosity of Prof. Parikh. He lauded the conference as a tool for economic and technical development aiming at the benefit of our society, the masses and the nation.

Professor Parikh appreciated ITM for its illuminating endeavor and for its efficient use of scarce resources. He considered the Conference as an opportunity for participants to share the fruit

of their research with scholars of their ilk, harmonize ideas and vitalize competition with cooperation and collaboration.

The Inauguration ceremony was followed by the official beginning of the parallel sessions of the Conference in the Institute premi-ses. The three parallel sessions in the day

comprised several expert speakers and scholars coming from various reputed Institutes of learning in the country. The sessions spread over the whole day were judiciously punctuated by a short lunch break and two rejuvenating tea-breaks.

The Conference was, indeed, a well-coordinated and well-received Event.

Art is a lie that makes us realize the truth — *Pablo Picasso.*

BON VOYAGE... 2001-05 GRADUATES

On February 24, 2005 – a tradition was revisited at ITM and evoked a delightful sense of d   vu. The occasion was the degree award ceremony conducted for 2001-2005 batch of engineers. In the solemn annual convocation ceremony they received their well-deserved degrees from Prof. yoti Parikh, the Chief Guest at the occasion.

Prof. yoti Parikh is the Executive Director of Integrated Research & Action For Development (IRADe), New Delhi. She has been a well-known energy consultant to the World Bank, the S Department of Energy, European Economic Community (Brussels) and the N Agencies such as NIDO, FAO, and NESCO. She has been on the Advisory Board of Tyndall Center for Climate Change, niversity of East Angela, the   . Besides, she has been an active member of various committees and panels set up by the Government of India in the field of energy and environment.

The Sixth Convocation Ceremony of the Institute saw 340 engineers in various disciplines receive their graduation degrees. Following the ITM

tradition, the ceremony began with the recitation of Vedic chants & proceeding of the academic procession, led by Prof. Mahendra Singh, to the front lawns. The rendition of Vande Mataram' followed by the melodious invocation Sarasvati Vandana' created an aura of solemnity befitting the event.

Mr. V. Daulet-Singh, Chairman, formally opened the ceremony. The Principal welcomed the Chief Guest and introduced her to the gathering. This was followed by distribution of degrees to graduates of all the branches as the respective HOD's announced their names. Prof. Parikh then presented medals and certificates of excellence to the following outstanding performers:

ME: Avneet umar, itesh umar and Neha Malhotra

CSE: Meetu Singla, ulvinder aur and Ritika Dogra.

IT: Diwakar Raghunathan, Nidhi Dhingra, Vikrant Saroha and Prashant Sharma.

ECE: Priyanka olly, Preeti Gupta and Vibhu Gupta.

EI: Richa une a, Vaibhav Narang and Isha Chaudhary.

The niversity topper, Ms. Priyanka olly(ECE) was felicitated by the Chief Guest with the presentation of a memento, collected on her behalf by her mother. Ms. Preeti Gupta (ECE) administered oath to all graduates, whereupon the Principal, Dr. Rakesh Ran an, read out the annual report of ITM. This was followed by the inspiring address of the Chief Guest to the graduating engineers.

The ceremony came to a close with the Chairman presenting a memento to Prof Parikh & the singing of the National Anthem. The oyous occasion was capped by a hearty dinner party hosted by ITM in the honor of the graduates of 2005 on the lush green lawns outside the cafeteria aesthetically decked specially for the occasion.

Readers' Forum... a beginning

One thing that ITM urgently requires….
(*Three items showed up. Here are they in the order of descending frequency*)
- Badminton & Basket-ball ourts
- An auditorium
- A bigger & more organized library

"A spectrum of views and opinions across the Gen-Now students…"

What is the biggest problem that is hindering India's progress today?
(*Here's the set of well-identified replies in the descending order of recurrence*)
- Corruption and Nepotism
- Population
- Ignorant and moribund mindset of people
- Illiteracy

Are tutorial classes justified? Why?
(*A dichotomy of opinions appeared with "Yes" emerging a clear popular choice*)
Yes, for they provide one-to-one interaction vis-a-vis teacher and students. They act as stress busters.
No, for they are repetitive of the topics covered in lecture classes and are thereby unproductive.

The best thing about ITM is….
(*Here's an interesting list of traits in the order of popularity*)
- Disciplined functioning
- Lush green, impeccably manicured lawns
- Good stature in the industry in Haryana

Is it justified to divide the class on the basis of score obtained in the University exam?
(*This one was close between "Yes" and "No" with the scales tilting towards the affirmative*)
Yes, for students with similar I 's come together.
No, for this widens the hiatus between the bright and the not-so-bright classmates by reducing the occasions for positive interaction.

How can the specialized institutions be sensitized to the needs of the under-privileged without compromising on merit?
(*An insightful set of replies…*)
Offer special scholarships to the meritorious students from the under-rivileged classes.
Increase in the number of seats
Reservation should be based on valid economic criteria rather than on the irrational caste considerations

One thing you would like to change about the way the College functions….
(*Here's the range of opinions voiced…*)
- Less weightage should be given to attendance in the internal evaluation.
- A student body should be formed to help students voice their opinions effectively
- CEREBRATION should extend over 3 days.
- Fee-deposition and Roll number-collection procedures should be simplified.

"The group of respondents was small but was large enough to make a good start…"

Should the prohibition on the use of mobile phones on the campus stay?
(*Oops! This one was a veritable hornets' nest with the predictable result*)
No, their use should be permitted on the campus barring the classrooms, labs and seminar-hall–the venues of serious academic business for the students. Elsewhere, the ban is draconian.

C a m p u s @ G r a f f i t i

What's HOT

- **Sporty-Kick:** Its *Football* that's driving the campus crazy. Wonder if anyone bothered about India's historic test-series win over West Indies, while they were all going gaga over FIFA…
- **Movie-Watch:** "*Rang De Basanti*"….. painted the campus red…. yellow, rather!
- **Celeb-Talk:** When true talent meets style…..
  Amitabh Bacchhan, Rani Mukherjee Keanu Reeves, Angelina Jolie
- **Look(s)-Matter:** *Trendy watches* for the gals, *Chunky caps*, *goggles* for the guys……. ust too cool!
- **Gadget Up-date:** *iPod*; *Cell phone* (*Sony Ericsson Walkman Series*); *Handy cam*

P.S. Thought something's missing eh??? You guessed it right! Our very own nasal-sensation... *Himesh Reshammiya* is the latest teen idol! A few lines, directly from the heart of ITM-ites for him...... *Aaaashiq Banaya Aaaapne*!!!

What's NOT

- **Un-sporty Pick:** *Player's Burnout*…nothing short of a *joke*. De-commercialize the game and the players will always be game for a knock-out rather that a burn-out!
- **Movie-(Don't) Watch:** If you thought today's Bollywood carries a *'New and Improved'* tag on whatever it churns out, try sitting through any one of these movies: *Saawan- The love season* ; *Bewafaa*
- **Celeb-(Cant)Talk:** The people who shot to fame owing to their literally out-of -the-world un-style statements........ *Govinda*; *Rakhi Sawant*; *Vivek Oberoi*; *Amisha Patel*
- **Look(s)-(that don't)-Matter:** *Long Hair* for *Guys* ……. *Overtly colored hair* for *Gals*……
- **Gadget Out-date:** *Tape walkman*; *Cell phone* (this one's puzzling)….

I don't believe in stars. Except the ones you can look up and see – Loretta Lynn

GALLANT ACHIEVERS

The bright budding talents of an alma mater do it proud through their crowning achievements. And ITM is justly proud to have a host of them. They consistently script a glorious success story with their prized placements and with their perform-ance in prestigious competitions and University examinations alike. The following are the worthy achievers who got admission in eminent institutions for higher studies this year:

- Shekhar Arya (CSE 2002 Batch) got admission in a 2-year MBA course at IIT, Roorkee.
- Rohan Sehgal (CSE 2002 Batch) got admission in a 2-year MBA course at I M I, Delhi
- Manan Arora (IT 2002 Batch) made it to IIM-L.
- Siddharth Sehgal (CSE 2002 Batch) made it to IMT, Ghaziabad
- Avni Singh (IT 2002 Batch) got admission in a 2-year MBA course at IIT, Kharagpur.

These are the top rankers in the MD University Examination, Dec., 2005:

- Manisha (2002 Batch) topped the University merit list in E&I branch.
- Manasvi Bhatia (2003 Batch) stood first in the University in E & I branch.
- Vipul Sachdeva (2003 Batch) stood third in the University in E & I branch.
- Gunjan Chaudhary (2004 Batch) topped the University merit list in CSE branch.
- Himanshu Raghuvanshi (2004 Batch) stood second in the University in E & I branch.

THUS SPOKE...

(Who said or wrote these lines)
1. After all, tomorrow is another day.
2. Men seldom make passes, at girls who wear glasses.
3. The customer is never wrong.
4. Castles in the air…. They are easy to take refuge in and easy to build too.
5. If A is success in life, then A equals X plus Y plus Z. Work is X, Y is Play and Z is Keeping your mouth shut.
6. Four legs, good; two legs, bad.

Here are the authors:
1. Margaret Mitchell in "Gone with the Wind"
2. Dorothy Parker, writer and critic
3. Cesar Ritz, Swiss Hotelier
4. Henrik Ibsen, playwright, in "The Master Builder"
5. Albert Einstein, Physicist
6. George Orwell, in "Animal Farm"

A WALK INTO THE SUN

Mona Malik
Lecturer, Deptt. of Applied Sciences and Humanities

"The world is too much with us; late and soon
Getting and spending, we lay waste our powers,
Little we see in Nature that is ours."

A subtle but sordid fact of life as it is lived today…….. Today? But these lines figure in a composition that was penned about two centuries ago….. A proof of insightful poetic prophecy or the constancy of a reality that has long been with us? Perhaps the latter. It is a reality engendered by a way of life given up to the dictates of relentless materialism- a fact that has become darker and paradoxically more accepted over time.

Let's pause for a moment on one of the sidewalks of a happening city anywhere on earth. One gets a scary feel of the speed of life….. the cosmopolitan go-getters who live in the proverbial fast lane compete with the speed of light in thought and deed. They ride the radio waves with panache. And from among them arise the demi-gods of our planet – the corporate monarchs – the arbiters of global talk, taste, and tone. Awesome deities, these! They bestride the world like the mighty Colossus overlooking with a hawkish gaze the legion of clones who pass beneath.

The clones are programmed to perfection to live the laws their earthly gods lay down. They are glassy-eyed creatures who think in a 'classy' groove, talk immaculately in a glib tongue, walk with a swanky swagger, and lead an existence given up to unearthly clocks that time more than 24 hours in a day.

Do the clones look familiar?… Quite. They resemble our friends, kin, acquaintances, our dear ones……. In fact, I see faces in their crowd that bear striking resemblance to mine and yours!

The clones have no discrete self- they have a dreary sameness about them. And they lead an existence, unknown to them, of eternal damnation, in an infernal world of endless work and unholy fires….. "Eternal damnation"……Perhaps it's too heavy a word. The hellish habitation does indeed have a few exits …… visible only to those who try to know the self and seek the severed connection between the spirit and the divine vitality of being.

……There's light at the end of the benighted tunnel. Yonder lies the enlightened realm where the perennial springs of life gush clear and pure. Here the spectral rainbow arches naturally and here blows the "meanest flower which can give thoughts that lie too deep for tears."

It indeed requires an act of volition and an aware effort to subvert the Colossus, cross the tunnel, stride across the benign realm and walk into the sun of crystalline consciousness.

THINKING OUT - OF - THE - BOX: WHAT'S THAT?

Siddhartha Singh
IT, 4th Year

How many times have we heard in that proverbial 'boardroom', when our boss is vexed with trite and vapid suggestions – "People! Think out-of-the-box !". Hmm…Out-of-the-box. It may seem like a mirage to many, but really a minor introspection will unravel the shrouded enigma of this 3-word phrase.

'Out-of-box' simply implies to be able to find out *"a different means to the same end – or even better"*. Some would say "to think differently". Not entirely accurate. It is an approach not to solution finding but to problem solving. To find a solution of a problem, tendency of any commoner is to use a brute-force technique and eventually get confused, even frustrated. On the other hand, using Out-of-the-box thinking, one is using what we have come to commonly call 'commonsense'. At all times, the problem domain is kept in mind instead of getting entangled in the 'possible solution'. After all, Genius isn't anything more than elegant commonsense. Foxed?

Out-of-box is perhaps an abused term, used at many a place by many a 'man'. Deep implications convey the breaking of conventional mould i.e. of looking at things in a different way - Not only in a different way but also in a clearer way.

What is 'the box', anyway? The 'box' is you i.e. your set of paradigms and beliefs. They dictate one, unquestioningly. The ubiquitous mundane life is, roughly speaking, the box, in which our vapid existence survives. We follow a set routine from morning to evening and all the chores involved make up our eluding 'box'. Eluding? Indeed.

The bane of many may be solved in a jiffy if they had the time and courage to look, at least a peek, outside their box. Those who do, with regularity at that, are christened Newtons and Einsteins. Some are also 'ostracized' and mocked at – John Nash (the great mathematician suffering from Schizophrenia). Before jumping to any vain conclusions, let's be clear about one thread that is common to all of these names mentioned above – they all were natural thinkers and appreciated the 'unconventional' streams of intellectual exodus.

So, am I talking of the genius? Read on. Out-of-the-box came naturally to these men. They tread a lonely furrow, unaware of the daily proceedings in the mortal world. A simple case of apple falling on the ground triggered a myriad questions in Isaac's mind. Why did it fall down? How is it possible? Would I fall down too? It's a fact that many an apple may have fallen down on the heads of many young men, but NONE resonated such a flurry of queries to self. John Nash, disproved a theory by father of Modern Economics – Adam Smith. Rather, he improved upon it. Just by looking at a group of young girls and boys, he managed to build up a proof that has been a cornerstone of many trade negotiations for years. He later received a Nobel Prize in 1994.

Few are born with it but most develop it. Successful men in the world today will tell you that they enjoy what they do. Hence the rewards. To be able to question is the first and foremost prerequisite for developing this kind of an approach. Even Einstein asked questions! It's a must for a budding mind not to amass any dead weight on its back of unanswered queries.

Secondly, read. Extensively. To be a man of eclectic views always helps in perceiving a situation – academic or otherwise – in a novel way. Read almost anything you can get your hands on. Develop a view by analyzing both sides of the coin– also the third, if any!

Last but not least, **do not** get bogged down by failure. Don't lose faith. It's essential that you persist. Thomas Edison, anyone? It's said that one must show resilience without frustration and that is the sign of a true workhorse. Genius is nothing but a great aptitude for patience. Since, not everyone is born with 'that' ability, to develop it requires this.

Those who persistently interpret their surroundings and stretch their knowledge to the extremes solve the quest for the most labyrinthine tasks. Out of the box is a mere tool, an approach for such men. Do not limit yourself. It is often said , truth will set you free. This is exactly what it means – limitless view and hence a clearer view. Although, every true genius is bound to be naïve, but one must strive nonetheless.

Many of our fears are tissue paper thin, and a single courageous step would carry us clear through them — Brendan Francis

VT

EDITORIAL TEAM

Editor-in-chief
Ms. Mona Malik

Student Editors
Siddhartha Singh
Pranay Sethi

Managing Editors
Divyan Salotra
Divey Jyoti Bhardwaj

Website
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ABC Enterprises
A-21/12, Nariana Industrial Area Ph-II, New Delhi-110028. INDIA
Tel: 91-11-25896768, 41418676
Fax: 91-11-41418671
E-mail: abcenterprises@vsnl.com

TRICKY TRIVIA

1. What is impossible to hold for an hour, even though it barely weighs anything?
2. Some people wish they could have a birthday every. Technically, there is a place where this is possible. Where is it?
3. A 7-letter word in English contains eight other different words therein, which can be formed without rearranging any letters. What is it?
4. Which month of the year lasts the longest?
5. How many times can you take 3 from 96?
6. This tells a fishy tale…. "What we caught we threw away; What we couldn't we kept" Can you figure out?

Key:
1. Your breath
2. Venus. The rotation of this planet is so slow that its day is longer than its year.
3. THEREIN (The; There; He; Her; Here; Ere; Rein; In)
4. March. because it has 31 days plus an extra hour gained when the clocks go back.
5. Once. After the first subtraction you are taking 3 from 93 and so on.
6. Fleas or Lice.

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SURGING PLACEMENTS AT ITM

Session 2005-06 passes and with a great sense of pride, we sound the bugles of success. The never-seen-before magnitude of placements, here at ITM, has been very encouraging for the 2002-06 batch. Nearly 94% of the eligible students have been placed by mid-June 2006. The packages have been salubrious and the organizations reputed. HCL Tech, L&T Infotech, IBM, WIPRO Infotech, INFOSYS, i-Flex, Polaris et al. have recruited students from our college. The process started early in the year 2005, when HCL visited our campus for recruitment, and progressed with gathering momentum and success well into June2006.

Branch wise break-up of no. of students placed
(as on 13 June, 2006)

CSE	IT	ECE	E&I	MECH	TOTAL
60	45	56	20	37	**218**

The average remuneration offered is in upward of 2.0 L per annum. It is a healthy start for any graduate fresher. This may also be attributed to the upswing seen in the overall Indian economy and especially in the Information Technology domain. Many MNCs are setting up new labs and centers here in India and thus this glut of opportunities.

Needless to say, the trend continues. For the 2003-07 batch also, the placements have already begun at a note that augurs a creditable peak ahead. Indeed, the placements at ITM continue to experience a high.

In no small measure, this is due to the sincerest efforts of Mr. Jitesh, Training & Placement Officer, ITM. He ably coordinates the multifarious activities of the Career Services Deptt., such as summer training programs, industrial visits, counseling to help prepare students for the industry and ensures ample opportunities for best possible career breaks for them.

FUTURISTIC TOMORROW

Siddhartha Singh
IT, 4th Year

"**The World Is Not Enough**"-this James Bond film title speaks more than what meets the eye. The human existence is forever marked with a consistent urge to ameliorate the present and anachronize the past in order to transcend the possible plausibilities - the cradle of futuristic technologies.

Since the time of Industrial Revolution, one has been forced by that impulsive tendency to automate and execute. This tendency led Wright Bros. to develop 'the wings'. Now, with the advent of 21st century came the quest for "nano-ising" technology-making everything minute as an atom and if possible, invisible!

While it is still not possible to have a normal conversation with your computer, *speech recognition systems* are showing great promise as the primary way of interacting with computers of the future. Speech recognition is already being used in a variety of automated messaging systems, security systems, and dictation-based software applications.

More advanced hardware has resulted in ability to *produce real-looking 3-D images* to replace the flat, 2-D appearance of traditional graphics. 3-D images are presented in such a way that objects seem to have depth and density, creating a realistic representation of the object. Movies such as SHREK and MATRIX have used this to utmost advantage.

Virtual reality is a 3-D computer simulation in which the user actively participates. It creates the illusion that the user is in a world inside the computer-an environment that contains both

scenes and the controls to change those scenes.

Biometrics, the use of physical characteristics to provide identification, has received much attention in recent months due to the need for increased security in many public areas. It implies better security since there would be no need to remember passwords, no need to change passwords, and no passwords for intruders to steal.

Supplier convergence is "a merger of technologies-a trend that suggests that someday you will receive all of the information you need from a single organization". This means that a user will receive all of the information services (mail, television, telephone, Internet access, etc.) from 1 source instead of having individual providers for different services. Integration of services could open the door for a completely voice activated environment-one in which appliances, heating/cooling systems, entertainment systems, etc., are all controlled by speech. It is already in implementation in some states of the US.

Computers that can *diagnose and correct* common problems without human intervention may well be one the most important technological advancements. *Expert Systems*, as they are commonly called, solve most complex problems by applying the reasoning process that is similar to human way of thinking. MYCIN, a bacterial disease-diagnosing ES, has been implemented where Doctors are a scarcity.

Evidently, the ever expanding horizons of technological applications in humdrum life hold the promise of an exciting tomorrow. This futuristic tomorrow will be an inspiration for a further Ulysseus-like quest of knowledge beyond the utmost bounds of human thought.

IDEAS THAT MOVED THE WORLD

Ideas have moved the world, ruled the world, fired and fuelled the world since it began in primitive ignorance, innocence and intransigence. The stories of these ideas have one characteristic in common – Struggle. And men and women who took part in that struggle from age to age have one characteristic too – Courage. Courage of the mind, which does not lazily accept the idea of yesterday, but questions, wonders and then goes adventuring into the unknown. Courage of the spirit that defies indifference, scorn, and persecution in defense of the new truth.

The "crazy" scientists who died at the stake or faced contempt and neglect; the harbingers of a better order of society who withstood angry mobs, or endured exile or prison; the inventors and explorers who risked money, reputation, life itself: such men and women are the heroes of civilization.

Because of their visions, and because they had the courage to proclaim those visions, to work for them, fight for them, and never betray them, their dreams have become the reality of our daily living.

You are your own best friend, closest ally, most faithful companion, and wisest adviser. – Peter Muller