

## IIT Bombay holds 46<sup>th</sup> Convocation in the Golden Jubilee Year

Confers 1604 degrees (200 Ph.D., 710 Master's and 411 Bachelor)  
the highest ever number in the history of IIT Bombay



*Smt. Pratibha Devisingh Patil, President of India, declares the Convocation open*

The 46<sup>th</sup> Convocation of Indian Institute of Technology Bombay was held on Friday, August 8, 2008. Smt. Pratibha Devisingh Patil, President of India, was the Chief Guest and delivered the Convocation Address.

Shri S. C. Jamir, Governor of Maharashtra, and Shri Vilasrao Deshmukh, Chief Minister of Maharashtra, and Dr. Devisingh Shekhawat were the Guests of Honour at the function. The ceremony was graced by many

distinguished dignitaries including the Chairman Dr. Anil Kakodkar and Members of the Board of Governors and was attended by parents of the graduating students, among others.

**Events**

CEP Courses			
No.	Course Title	Coordinator /Department	Date
1	Emotional Intelligence in Project Management	Prof. S. A. Kelkar, Computer Sc. & Engg.	August 01 - 02
2	Low Cost Hi-Tech Automation	Prof. N. Ramakrishnan, Mech. Engg.	August 04-08
3	5 <sup>th</sup> Batch of Certificate Programme in Marketing and Human Resource Management (Venue: Mumbai)	Prof. S. G. Bhargav, SJMSOM	from August 31 (40 Days)
4	5 <sup>th</sup> Batch of Certificate Programme in Marketing and Human Resource Management (Venue: Mumbai)	Prof. S. G. Bhargav, SJMSOM	from August 24 (40 Days)
5	Paints, Coatings, Inspection and Quality Control (for ONGC)	Prof. S. N. Malhotra, MEMS	August 25 - 29
6	Monsoon Course on Human Computer Interaction	Prof. A. N. Joshi, IDC	August 26 - September 05,
7	Corporate Identities of Public Sector Corporations; The need for Change	Prof. M.R. Rane, IDC	September 05.
8	Computational Methods in Electrochemical Corrosion	Prof. R.P.R.C. Aiyar, CRNTS	September 10 - 12
9	Process Principles for Chemical Plant Operations	Prof. A. Mehra / Prof. A.K. Suresh, Chemical Engg.	September 16 - 20
10	R & D Management	Prof. Karuna Jain SJMSOM	September 18 - 20
11	Advanced Joining Processes for Sheet Metals	Prof. A. De, Mech. Engg.	September 19 - 21
12	Casting Design and Simulation: Theory, Practice and Clinic	Prof. B. Ravi, Mech. Engg.	September 26 - 28

**In the Wilderness**



*Butterflies around you - Orange, Yellow, Blue, Pink, Purple and many more...*

*Photo courtesy: Shri C. P. Joglekar  
Venue: IIT Campus*

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*Mr. Ratan N. Tata receiving the degree of Doctor of Science (Honoris Causa)*

The degree of Doctor of Science (*Honoris Causa*) was conferred on **Mr. Ratan N. Tata** in recognition of his outstanding contributions to the growth of Indian industry, propagation of the values of business ethics and social responsibilities of business, and to the overall growth of the country.

The Chief Guest Smt. Pratibha Devisingh Patil gave away 33 medals and prizes to the students at the event including the "President of India Medal" to **Mr. Sushant Sachdeva**,



*Mr. Sushant Sachdeva, Computer Science and Engineering Dept., receiving the President of India Medal*

Computer Science and Engineering Dept., the "Institute Gold Medal" to **Ms. M.S.Shaama**, B.Tech.(Dual Degree) 2006-2007, Chemical Engineering Department, and "Dr. Shankar Dayal Sharma Gold Medal" to **Shri Krishna Ramkumar**, 5-year Integrated M.Sc., Department of Chemistry. On the academic front, Prof. Ashok Misra, Director, revealed that this year 1604 degrees – the highest ever number in the history of the institute – were given away of which 200 were Ph.D., 710 were



*Prof. Ashok Misra, Director, IITB presenting his report at the Convocation*

Master's and 411 were Bachelor degrees. This marks an increase of 8.2 per cent over the total number of degrees awarded last year, which was 1483. Lists of President of India medal, Institute gold medal, Institute silver medals, and other medals are shown on page 9.

## World Environment Day 2008

The Centre for Environmental Science and Engineering (CESE) and Environmental Science and Engineering Association (ESEA) celebrated the **World Environment Day** on June 5, 2008, at the Institute Auditorium. Prof. Shyam R. Asolekar, Head, CESE and the faculty members of CESE, launched the programme "WED-2008". The theme of the celebrations for this year was "The Future of Environmental Engineering in IIT Bombay". The welcome address was delivered by Prof. Asolekar, followed by an inaugural address by Prof. S. Biswas, Dean (Academic Programme).

Dr. Deepak Kantawala Chief Guest, presented a lucid lecture on "India's Environmental Challenges and Policies". An annual activity report of ESEA was given by Ms. Gangamma, Research Scholar, CESE, which showed the proficiencies and achievements of research students of CESE. Prof. V.Sethi discussed on the vision and future plans of CESE. Prof. (Mrs.) R. S. Patil explained the challenges of implementation of the proposed two new undergraduate and dual degree programmes, to be initiated in environmental engineering from July 2009. A session was devoted for discussing the new proposals and feedback from the participants.

CESE received lots of useful ideas and feedbacks on the proposed academic programmes and other future plans of the centre from their alumni and distinguished guests.

A Tree Plantation Programme was held on the eve of World Environment Day. Mrs. Rashmi Misra was the Chief Guest. The saplings were planted along the road leading to 'Anantha' building of IIT Campus. The Environment Advisory Committee (EAC) played an active role in the programme. Prof. M. B. Patil, Prof. Supratik Chakraborty and Prof. V. Sethi (all three members of EAC) and Prof. H. Narayanan made the programme more eventful.

## IIT Bombay Wins UNESCO Innovation Award

The Department of Computer Science and Engineering wins First Prize in the Non-formal Education Category.

The United Nations Educational Scientific and Cultural Organization (UNESCO) recently awarded to IIT Bombay (IITB) the coveted Asia Pacific's ICT in Education Innovation Award (2007-08) in the Non-formal Educator Category for 'Adapting the Anchored Instruction' approach. The Award is in recognition of the project: "Innovative use of ICT for Educating Children of Nomadic Tribes in Maharashtra".



*Camp at Ambernath to teach three R's-reading, writing and arithmetic*

According to Dr. M. V. Ananthakrishnan of the Computer Science and Engineering Dept., "The Anchored Instruction approach was adapted to develop the ICT-based methodology". In principle, the original Anchored Instruction approach involved using video-tapes as anchors to teach students in a regular university curriculum in the USA. However, Dr. Ananthakrishnan adapted it by using the immediate environment of the nomad camps (referred to as 'pals' in the local language) as the anchor. All the instructions were centred on the immediate environment, which included animals, plants, trees and relationships. The learning included colours, numbers, shapes, relationships, pets and children of migrant workers, between the age of five and 17, were given laptops and audio-visual software to learn, to count and associate numbers, colours and names with pictures and charts of items commonly found in their environment. Educating nomadic children is challenging. For example, there is the need to cater to their mobility. This calls for portable strategies and flexible courses that will retain their interest and attention.

Capitalising on the local setting and environment to provide the context and content to their lessons, the live anchored instruction sessions were video-taped in each camp. With the help of laptops and audio-visual programmes, the children were able to view the tapes of all three camps to provide them with broader perspectives of life beyond their own confines. "The camps generated so much of enthusiasm that even the parents were eager to learn basic reading and writing skills," said Dr. Ananthakrishnan.



*Children during the camp*

IIT Bombay worked with two NGO's, namely, Vigyan Ashram in Pabal and BhatkeVimukt Vikas Pratishthan in Pune, for the project. Together they hosted four experimental school camps in the nomadic regions of Maharashtra, viz., Ambernath, Magar Sanghvi, Umerga and Ansarwada, to teach the children the three R's—reading, writing and 'arithmetic'—through discovery, interactions and participation. The project, funded by Media Lab Asia, was carried out by researchers at the Developmental Informatics Laboratory (DIL) of the Department of Computer Science and Engineering of IITB.



*Camp at Umerga*

"This project demonstrates that a creative application of available tools and practices from Information and Communication Technologies can go a long way in solving even seemingly difficult problems faced by people in the developing world", says Prof. Krithi Ramamritham, Head of DIL.

Dr. Ananthakrishnan received the award from Dr. Sheldon Shaeffer, Director, UNESCO, Bangkok, during a special event recently held in Bangkok. The Asia-Pacific's ICT in Education Innovation Awards are supported by the Japanese-Funds-in-Trust.

## IIT BOMBAY ALUMNI'S VARSHA RACE-2008 under the aegis of 'RUN for IIT GLOBAL INITIATIVE'



Participants at Varsha Race on the starting point

IIT Bombay Alumni Association (IITBA) organised a road race called 'IIT Varsha Race 2008' under the aegis of 'Run for IIT Global Initiative'. This year the Race was held on IIT Bombay Campus on August 3, 2008, and was open to all IIT faculty, alumni, students, and their families.

Pegged at being the most hi-tech race on earth, this initiative was the brain-child of a few IITians who looked at competition differently. The uniqueness of the event was that the capacity limits of the participants were first determined, and the ones who exceeded those limits and excelled themselves in the competition were awarded.

The participants in this race competed based on their body mass and fat index and were tracked on race course using GPS (Global Positioning System, which consists of small lightweight units of the size of a matchbox) and bluetooth and regular, GPRS-enabled mobile phones. Before the race began, age, sex, height, weight, body fat percentage of all participants were fed into the central computer. Based on the historical international data on performance for various physical parameters, a Normalization Factor or weighting factor was computed for each runner. As the race



progressed, the position of each runner was received by the central computer every second. Using that, the distance traveled by each runner was computed, which was then adjusted to the equivalent distance traveled using the Normalization Factor. With the help of this technology a runner's performance was found to be based on his/her personal ability and not on who reaches the finishing line first.

Instant analysis of data made it possible for a 55-year old weekend jogger lady 'beat' an 18-year old super-fast runner.

Mr. Akshay Mishra, the techie behind the technology from IITB Alumni, said:



"When runners run with a GPS receiver and a mobile phone, the GPS receivers can send the exact position of the runner to his mobile phone, which can send the position through mobile towers to internet (which uses GPRS technology) and thereby to a central computer. The central computer will display the latest results, updated every second. Anyone around the world can view this list along with the positions of



the runners on the course map through internet, in real-time". The runners were able to see their 'normalised' or adjusted position on their mobile, too.

"Typically, in a running race, the fastest finishers are awarded prizes. Sometimes there are separate categories for different age-groups and female-male groups. However, often, only about 2 per cent of the participants would have a realistic chance to figure in the top three in any category. The rest are merely also-rans. But they constitute the bulk of the race and often, its spirit. These laypersons may excel within their limitations. However, that performance is never recognized by anyone other than the person himself," commented Shirish Waghule from IITB Alumni. Perhaps, it is time to reward that excellence, he added.

Mr. Madhur Kothari from IITB Alumni said: "Our philosophy is two pronged. We believe that in life, the real winners are not those who beat others but themselves. And technology, more than anything else, is an enabler for the most important race – the human race. Varsha Race-2008 clearly stands for these two principles". "This was the beginning and from next year onwards it is expect to see this race transform in to a full-fledged marathon and continue to remain the most hi-tech race on earth," he added.



## Awards and Distinction

### IIT Bombay Ph.D. student wins award for revolutionary Semi-conductor research



Prashanthi Kovur – third from right

Prashanthi Kovur PhD from Centre for Excellence in Nanoelectronics, EE Deptt., IIT Bombay has been awarded the outstanding student researcher in the field of Physics, Chemistry of Material for Nano-Scale Devices by the world's largest Semiconductor company, TSMC.

Taiwan Semiconductor Manufacturing Company (TSMC) is the world's largest semiconductor foundry, which provides leading technologies for the semiconductor manufacturing industry.

The purpose of the TSMC's Outstanding Student Research Award is to recognize exceptional semiconductor-related researcher carried out by students. The competition for this award attracted hundreds of applications from students of various universities all over the world.

Prashanthi's research is based on the development of a novel multiferroic system for MEMS applications. Magnetism and ferroelectricity are essential to many forms of current technology, and the quest for multiferroic materials, where these two phenomena are intimately coupled, is of great technological and fundamental importance. It has been shown for the first time that room temperature multiferroicity with significant coupling could be achieved in Dy modified BiFeO<sub>3</sub> system. The current work focuses on the fabrication of RF MEMS switch using this novel multiferroic based actuator.

This work was done under the guidance of Prof. Vijayanti R. Palkar from EE Department, IIT Bombay. Prof. Palkar who was invited as an honorable guest for the award ceremony delivered a lecture on "Semiconductors in India and Functional Nano-oxides".

Prof. Azizuddin Khan, Department of Humanities and Social Sciences has been selected for "Young Scientists Program" at XXIX International Congress of Psychology, Berlin, Germany, from July 20-25, 2008.

Prof. Mahesh Tirumkudulu, Department of Chemical Engineering has been selected for the Manudhane Award for Applied Research (Consulting) for 2007.

Prof. Ashok Misra, Director, has received the Distinguished Alumni Award from the university of Massachusetts Amherst Alumni Association.



## Publications/ Presentation

Prof. Azizuddin Khan, Department of Humanities and Social Sciences, presented a paper "Event- and time-based prospective memory: An experimental investigation" at XXIX International Congress of Psychology, Berlin, Germany, from July 20-25, 2008.

Prof. D Ramakrishnan with T. N. Singh and others, Department of Earth Sciences, published a paper on "Artificial neural network and liquefaction susceptibility assessment: a case study using the 2001 Bhuj earthquake data, Gujarat, India" in *International Journal Computational Geosciences*.

Prof. D Ramakrishnan, Dept. of Earth Sciences with V.M. Chowdary and others, published a research paper on "Assessment of surface and sub-surface waterlogged areas in irrigation command areas of Bihar state using remote sensing and GIS" in *International Journal of Agricultural Water Management*.

Prof. D. Ramakrishnan Dept. of Earth Sciences published a research paper on "Delineation of potential sites for water harvesting structures through remote sensing and GIS techniques: A case study of Kali watershed, Gujarat, India" in *Geocarto International*.

Prof. D Ramakrishnan and K.N.Kusuma, Department of Earth Sciences contributed a chapter entitled "Marine Clays and its Impact on the Rapid Urbanization Developments: A Case study of Mumbai Area Using EO-1-Hyperion data" in the book titled *Hyperspectral Remote Sensing and Spectral Signature Applications* (Eds: S.Rajendran et.al.), New India Publishing Agency, New Delhi, 53-64p. ISBN: 9788189422349.

Mr. Lokesh Nagar and Prof. (Ms.) Karuna Jain, SJSOM published a doctoral paper titled "Supply chain planning using multi-stage stochastic

programming" published in *Supply Chain Management: An International Journal*, vol. 13, no.3, 2008, pg. no. 251 – 256.

**Prof. S. P. Sukhatme**, Professor Emeritus, Department of Mechanical Engineering and **Prof. J. K. Nayak**, Department of Energy Science and Engineering have written the third edition of the book, "Solar Energy Principles of Thermal Conversion and Storage". The book has been published by Tata McGraw-Hill Publishing Co. Ltd. The first two editions published in 1984 and 1996 were authored by Prof. Sukhatme alone. The new edition reflects many of the developments that have taken place in solar technologies and devices in the last decade. It also has many solved problems based on Indian data and numerous practice problems. The book is written from the point of view of being used as a textbook. It will also be useful as a reference book for practising engineers and scientists.

**Prof. S. C. Patel**, Department of Earth Sciences, presented a paper entitled "Mineralogy and Geochemistry of Wajrakarur Kimberlites, Southern India" at the 9<sup>th</sup> *International Kimberlite Conference* held at Frankfurt, Germany, during August 10-15, 2008.

**Dr. Rajkumar S. Pant**, Aerospace Engineering Department, participated in University of Cambridge/MIT/PARTNER, *2nd Aviation and the Environment Research Workshop*, Cambridge, UK, 28-30 July 2008, and presented a paper titled "Research & Development in Air Transportation at IIT Bombay".

Dr. Pant also presented a paper entitled "A methodology for arriving at the baseline specifications of a non-rigid airship" which has been accepted for publication as a Technical Note in *AIAA's Journal of Aircraft*.

**Prof. Bhaskar Roy**, Aerospace Engineering Department, has authored an engineering text book entitled, "Aircraft Propulsion, Sciences of Making

Thrust to Fly". The book has been published by Elsevier Publishers (India). The book is aimed at senior undergraduate and junior postgraduate students and is expected to meet the syllabi requirements at those levels. This edition of the book is expected to be available in the market shortly. **Prof. Roy** also attended ASME / IGTITURBO EXPO 2008 at Berlin in June 2008 and presented a paper entitled "Stability Enhancement and Hysteresis Improvement of Axial Flow Fan by Discrete and Distributed Tip Injection Schemes" by Bhaskar Roy and Subrahmanyam Veraarapu, M.Tech student (2007) of Aerospace Engineering department.

**Prof. Suparna Mukherji**, CESE, made a presentation entitled "Toxicity Characterization of Hydrophobic Organic Compound Mixtures Based on Concentration Addition and Independent Action Models" at the *5th SETAC World Congress* (3rd-7th August) in Sydney, Australia. The paper was co-authored by Shahid Parvez and Prof. Chandra Venkataraman.

### Patent license by IIT Bombay

IIT Bombay has licensed patented technology relating to diamond powder layer coating process to an engineer entrepreneur in Navsari, Gujarat, to produce diamond coated steel discs used for diamond polishing and also help re-lay the diamond impregnation on the discs after it wears away. This technology developed by Prof. Devi Shankar Misra and his student Arun Kumar Sikder of Physics Department, IIT Bombay, is covered by an Indian patent titled "A Method for Coating Steel Components with Diamond by Chemical Vapour Deposition (CVD) and Steel Components obtained thereby" (Pat. No.200842) and granted to IIT Bombay. It is envisaged that use of this technology will provide an enhanced thrust for replenishing tools for polishing of diamonds and value addition to the diamond industry in India.



**Smt. Pushpa Hiralal** has donated Rs. 5 lakhs towards instituting "Prof. Hiralal Memorial Award" in memory of her late husband. The award is to be presented to the student with the best overall performance in the graduating M.Sc. (Chemistry) class. Mr. Krishna Ramkumar is the recipient of the award this year.

**Seminars/ Colloquia/  
Lecture**

Department of Electrical Engg

Dr. Sibi Raj Bhaskaran Pillai, Research fellow, University of Melbourne, Australia delivered a seminar on "Interference Channels with Many Links" on July 17, 2008.

Dept. of Humanities & Social  
Sciences

Prof. Aftab Seth delivered a seminar on "India-Japan Relations: Historical and Contemporary" on August 26, 2008.

Department of Mathematics

Prof. Phoolan Prasad, Indian Institute of Science, Bengaluru, delivered a colloquium lecture entitled "Riemann Problem for Kinematical Conservation Laws" on July 15, 2008.

School of Biosciences &  
Bioengineering

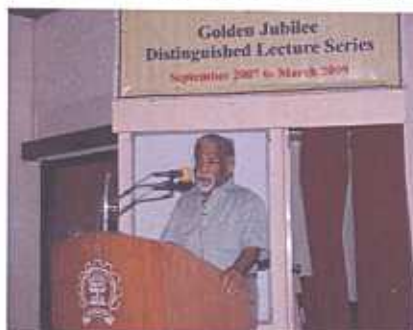
Dr. R. Swaminathan, Department of Biotechnology, Indian Institute of Technology Guwahati, delivered a seminar on "Anomalous spectra arising from ordered water and Inhibition of lysozyme aggregation at alkaline pH" on July 18, 2008.

Dr. Dibyendu Bhattacharyya, Department of Molecular Genetics & Cell Biology, University of Chicago, Chicago delivered a seminar on "Intracellular Protein Trafficking" on August 4, 2008.

Dr. Amit Sengupta, Indian Institute of Technology Delhi and AIIMS, New Delhi, delivered a seminar on "Reproductive bioengineering and community development" on August 6, 2008.

Prof. Avi Chaudhuri, James McGill Professor of Psychology, and Director, Behavioural Neuroscience Program, McGill University, Canada, delivered a seminar on "Neural Substrates of Face Perception in Primates" on August 12, 2008.

**"Revelations of Light" by  
Prof. E. C. G. Sudarshan**



Prof. ECG Sudarshan delivering a public lecture on "Revelations of Light"

As a part of the ongoing Golden Jubilee celebrations - Distinguished Lecture Series at IIT Bombay - Prof. ECG Sudarshan, Department of Physics, University of Texas, USA, delivered a public lecture on "Revelations of Light" on July 15, 2008, at PC Saxena Auditorium. Prof. Sudarshan is credited with the final theory of light including all its Quantum effects, bringing to end a chapter reopened by Einstein's theory of photo-electric effect. His lecture in IIT Bombay was on yet newer states of light that are possible according to the full Quantum formulation.

**Faculty News**

Dr. Rajkumar S. Pant, Aerospace Engineering Department, delivered an invited lecture at Institute for Manufacturing, Department of Engineering, Cambridge University, UK on "An Introduction to Air Transportation system in India", on 11th July 2008. He also visited the Institute for Aviation and the Environment, Cambridge University, UK, for collaborative research in Aviation Integrated Modeling (AIM) project ([www.AIMproject.aero](http://www.AIMproject.aero)). Dr. Pant participated in "Aviation Sustainability Short Course: Unlocking Greener Aviation", organized by OMEGA, UK, on 17-19 June 2008 at Cranfield University, and presented a paper titled "Current Issues & Challenges in Air Transport

Environment in India". He also attended a high-level meeting as a technical expert on possible applications of stratospheric airships in India for next generation communication system convened by the Deputy High Commissioner of India in UK, London, 17th July 2008.

Prof. Neelima Talwar, Department of Humanities and Social Sciences participated in the 11th International Conference of International Society for the Study of European Ideas held in Helsinki from July 28 to August 2, 2008. She presented a paper, "The Case For Science-Drama: A Historiographic Perspective" in the Section devoted to Science and Theatre interface.

Prof. Ameer Athavale, Department of Mathematics, attended the conference SWOT08 (Small Workshop in Operator Theory 2008) in Krakow, Poland from June 28 to July 1, 2008, and delivered an invited talk titled "Quasimilarity-invariance of joint spectra for certain subnormal tuples".

Prof. Karunamay Subuddhi, Department of Humanities and Social Sciences, was invited to participate in the deliberations at a national level meeting on "Towards a Coherent International trade and Development, environment and poverty reduction" at organized by Cuts International, India Habitat Centre, New Delhi, 24-25 July 2008.

**Student News**

Ms Sagarika Mohanty, PhD Research scholar, CESE, made a presentation entitled "Response of a Naphthalene Degrading Culture to Bioavailability Enhancement Caused by a Non-Ionic Surfactant" at the 5th SETAC World Congress (3rd-7th August) in Sydney, Australia. The paper was co-authored by Prof. Suparna Mukherji.

Haripriya Gundimeda, Dept. of Humanities and Social Sciences, attended the 16th Annual European



*Association for resource and environmental Economists Conference* during 25th to 28th July, held at University of Gothenburg, Sweden.

**Gayadri Devi. G.** PhD Scholar, Department of Humanities and Social Sciences, had attended and presented a paper in the *11th International Conference of International Society for the Study of European Ideas (ISSEI)* in collaboration with the University of Helsinki held from July 28 to August 2, 2008 in Helsinki, Finland. She had presented her paper titled "The Concept of Hyperrealism in Cyberpunk Films *The Matrix* (1999): a Case Study" in the session, "Cinema, Science and Philosophy" under the Chair of Dr. Aner Preminger.

### Research Scholars' Forum

Research Scholars' Forum, IIT Bombay, organized its Annual Valedictory and Awards Function on Friday, July 11, 2008. Prof. Ashok Misra, Director, was the Chief Guest. Dr. Ganesh Natarajan, Chairman, NASSCOM, and Global CEO, Zensar Technologies (PhD alumnus, IIT-B, batch of 2005) was the Guest of Honour. Other dignitaries who graced the occasion were Prof. S. P. Sukhatme (former Director, IIT-B), Prof. J. Vasi (Deputy Director, IIT-B), Prof. S. Biswas (Dean, AP), Prof. A. Q. Contractor (Convener, Research Scholars' Confluence), and Dr. Uma Ganesh (MD and Chairman, Zensar Technologies, and PhD alumnus, IIT-B, batch of 2004).

The function was held to felicitate and acknowledge graduating research scholars of the institute, who were presented with mementos. Organizational RSF awards were also presented on the occasion, and the RSF Annual Report 2007-08 was released.

### Appointments

**Prof. A. K. Singh**, Department of Chemistry has been appointed as the Convener of th IIT Gandhinagar Cell from June 23, 2008.

**Prof. G. Venkatachalam** has been appointed as an Emeritus Fellow in the Department of Civil Engineering for a period of two years from June 12, 2008.

**Shri. Kamal Kumar Bajre** has been appointed as Assistant Registrar in the Administration Section from June 30, 2008.

**Shri Debasish Pradhan** has been appointed as a Research Associate in the Department of Mathematics for a period of six months from June 30, 2008.

**Prof. C. H. Mehta** has been appointed as a B. G. Visiting Professor in the Department of Earth Sciences for a period of four months from July 1, 2008.

**Dr. Santosh Kumar Gupta** has been appointed as a Professor in the Department of Chemical Engineering for a period of two years from July 3, 2008.

**Shri Sunil Kumar Mehta** has been appointed as an Assistant Training & Placement Officer in the Placement Office from July 4, 2008.

**Dr. Varadraj B. Bapat** has been appointed as an Assistant Professor in the Shailesh J. Mehta School of Management from July 8, 2008.

**Mr. Narayan Parasuram** has been appointed as an Adjunct Associate Professor in the Industrial Design Centre for a period of two years from July 9, 2008.

**Dr. Indrajit Mukherjee** has been appointed as an Assistant Professor in the Shailesh J. Mehta School of Management from July 10, 2008.

**Shri Narsingh Varma** has been appointed as Executive Engineer in the Estate Office from July 17, 2008.

**Shri K. R. P. Unnithan** has been appointed as Executive Engineer in the Estate Office from July 17, 2008.

**Ms. Kalyani Accanoor** has been appointed as Deputy Librarian from July 18, 2008.

**Dr. Anil N. Gandhi** has been appointed as an Adjunct Professor in the Department of Chemical Engineering for a period of one semester from July 22, 2008.

**Dr. Shishir Kumar Jha** has been appointed as an Associate Professor in the Shailesh J. Mehta School of Management from July 22, 2008.

**Dr. Rajendra M. Sonar** has been appointed as an Associate Professor in the Shailesh J. Mehta School of Management from July 22, 2008.

**Dr. Narendra G. Shah**, Principal Research Engineer, Centre for Technology Alternatives for Rural Areas (CTARA) has been appointed as an Associate Professor in the same Centre from July 29, 2008.

**Dr. Sauvik Banerjee** has been appointed as an Assistant Professor in the Department of Civil Engineering from August 1, 2008.

**Shri Indrajit A. Romani**, Superintendent, GATE Office has been appointed as an Assistant Registrar in the Accounts Section from August 1, 2008.

**Dr. Vishnu Bhama Narayanan** has been appointed as an Assistant Professor(Contract) in the Industrial Engineering & Operations Research Group for a period of two years from August 1, 2008.

**Prof. D. S. Misra**, Department of Physics has been appointed as the Head of the Department of Physics from August 4, 2008.

**Dr. Subodh Wagle** has been appointed as an Adjunct Professor in the Centre for Technology Alternatives for Rural Areas for a period of two years from August 5, 2008.

### Retirements

as on 31.07.2008

1. Shri Dayashankar Gupta, Acctts
2. Ms. Jijabai Sakharam Salve  
Public Health Office
3. Shri Ramkripal Shrinath Shukla  
Security Section

as on 31.08.2008

4. Shri A. Rajan, Registrar Office
5. Shri Anil P. Patwardhan, C.S.R.E
6. Shri Popat B. Kamble, Civil Engg
7. Shri Gangaram B. Mohite, Civil Engg
8. Shri Vasurajan Lakshman Potdar  
Chemical Engg
9. Shri Narayan Waman Thorat  
Met. Engg. & Mat. Sciences
10. Shri Budhram Barat, Security
11. Shri Shidwa Laxman Tokare  
Estate Office

## Medal Winners

### President of India Medal

**Sushant Sachdeva**  
Computer Sc. & Engineering

### Institute Gold Medal

B.Tech(Dual Degree) 2006-2007  
**M.S.Shaama**  
Chemical Engineering

### Institute Silver Medals

**Rahul Goel**  
Aerospace Engineering

**Prabhu Arun Laxman**  
Chemical Engineering

**Rao Anirudha Sudarshan**  
Civil Engineering

**Kamath Sudeep Uday**  
Electrical Engineering

**Deep Gupta**  
Mechanical Engineering

**Roopali Kukreja**  
Metallurgical Engineering  
& Materials Science

**Vamsi Pritham Pingali**  
Engineering Physics

### MASTER OF SCIENCE (M.SC.) PROGRAMME

**Saswati Sarkar**  
Applied Geology

**Aniruddha Sasmal**  
Chemistry

**Krishna Ramkumar**  
Chemistry

**Alladi Sriram**  
Mathematics

**Saurabh Sharma**  
Physics

**Writer Diana Kaikobad Kashmiri**  
School of Biosciences &  
Bioengineering (Biotechnology)

**Awasure Sanjeev Nandakumar Anita**  
Applied Statistics  
And Informatics

**Rajiv Kumar**  
Applied Geophysics

### M.TECH. DUAL DEGREE

**Harshad Dilip Ranadive**  
Aerospace Engineering

**Kartik Shekhar**  
Chemical Engineering

**M.S.Shaama**  
Chemical Engineering

**Ashna Chopra**  
Civil Engineering

**Neha Singh**  
Computer Science & Engineering

**Kartik G.**  
Electrical Engineering

**Pradhan Rohan Nandkumar**  
Mechanical Engineering

**Naresh Sharma**  
Met.Engg. and Mat. Sc.

### Other Medals

**Miss Jayati Deshmukh Memorial**  
Gold Medal

**Sushant Sachdeva**  
Computer. Sc. & Engg.

**Rajit Bhagwati Memorial**  
Gold Medal

**Amit Kumar Singh Parihar Env. Sc. &  
Engg.**

**I.S.R.E. (India Chapter)**  
**E.R.T.L. (W) Bombay, Gold Medal**

**Gunda Naga Siva Kumar**  
Reliability Engg

**Dr. Shankar Dayal Sharma**  
Gold Medal

**Krishna Ramkumar**  
Chemistry

**Hindi Vidya Bhavan**  
Gold Medal

**S K Teja Kappagantula**  
School of Management

**Vidyasagar Nehra**

Gold Medal  
**Rao Anirudha Sudarshan**  
Civil Engg.

**Sharad Maloo Memorial**  
Gold Medal

**Ms. Neha Singh**  
Computer. Sc. & Engg.

**Prof Madhav Kulkarni Lt. Col.(R) Gold  
Medal**

**Rao Anirudha Sudarshan**  
Civil Engg.