

IIT Bombay Golden Jubilee Celebrations (2007- 2009)

Inaugurated by Honourable Dr. A P J Abdul Kalam



Honourable Dr. A P J Abdul Kalam, the Chief Guest, inaugurated the Golden Jubilee celebrations of the Indian Institute of Technology Bombay (IITB) on September 5, 2007. The Golden Jubilee celebrations will be held from September 2007 to March 2009. The 18-month-long celebrations mark the completion of 50 glorious years in imparting education and knowledge in the fields of technology, research, science, design, and management.

The Guests of Honour present on the occasion were former chairmen Dr. Homi Sethna, Mr. D.V. Kapur, Dr. R. Chidambaram, Prof. M. G. K. Menon, Mr. Rahul Bajaj; and former directors Prof. A. K. De and Prof. S. P. Sukhatme were special guests.

A special Golden Jubilee brochure and a memento were also released. The first Golden Jubilee brochure and

memento were presented to Honourable Dr. A P J Abdul Kalam jointly by Dr. Anil Kakodkar, chairman, and Prof. Ashok Misra, Director.

Speaking on the occasion Prof. Ashok Misra, Director, IIT Bombay, commented that the Golden Jubilee year is a landmark occasion to celebrate IIT Bombay's past and embark on new initiatives as a fountainhead of ideas and innovation. Thanks to the outstanding achievements of our alumni, world-class faculty, students, and staff, IIT Bombay is today recognized worldwide as a leader in the fields of technology and science.

Since its inception, IIT Bombay has played a major role in technology research and innovation. The most befitting tribute to this feat is to take this seed vision forward for the benefit of mankind.

To date, IIT Bombay has trained and nurtured more than 30,000 students who as IITB alumni have left an indelible mark on the institute nationally and globally, for excellence and innovation across diverse fields.

The institute's contributions in the field of technology have been helpful in placing India on the world map.

IIT Bombay has also played an important part in nation building and setting the stage for cutting-edge technological research and innovation.

The institute aspires to be a key participant in creating a gateway between urban and rural India.

The Golden Jubilee inauguration ceremony commenced with Prof. Deepak Phatak, Convener, Golden Jubilee Committee, IIT Bombay, announcing of IIT Bombay's Golden Jubilee Year Plans. Golden Jubilee plans include: a Foundation Day function, Vice Chancellors' Conclave, visits of Nobel laureates and holding of several international conferences, among others.

Dr. Kalam presented the 'Excellence in Teaching Awards' and 'Dr. P. K. Parwardhan Technology Development Award' to the faculty members.

Excellence in Teaching Awards

- Prof. N.B. Ballal, Met. Engg. & Mat. Sci. Dept.
- Prof. K.V. Krishna Rao, Civil Engineering Dept.

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Prof. Abhiram G. Ranade, CSE Dept., receiving Dr. P. K. Patwardhan Technology Development Award.

- Prof. R. K. Malik, Chemical Engineering Dept.
- Prof. J. K. Nayak, Energy Systems Engineering
- Prof. Abhiram G. Ranade, Computer Science and Engineering Dept.
- Prof. G. K. Srinivasan, Mathematics Dept.
- Prof. K. Sudhakar, Aerospace Engineering Dept.
- Prof. U. B. Desai, Electrical Engineering Dept.

Dr. P. K. Patwardhan Technology Development Award

- Prof. Abhiram G. Ranade, Computer Science and Engineering Dept.

The ceremony was presided over by Dr. Anil Kakodkar, Chairman, Board of Governors, IIT Bombay.

To continue to deliver high quality cutting edge research, IIT Bombay plans to modernize its infrastructure with world-class facilities. To this end, a number of infrastructure projects are to be initiated during the Golden Jubilee celebrations, such as Victor Menezes Convention Centre, Computer Science & Engineering Department Building,

School of Bio-Sciences, Girls Hostel, Innovation Centre etc.

IIT Bombay Receives Generous Gift

The Applied Materials, Inc., USA, the global leader in nano-manufacturing technology solution for the electronic industry, has pledged a generous gift of equipment and technology to the Nanotechnology Centre at IIT Bombay. The equipment, costing 3.5 million US dollars, will consist of AMAT Cluster Tools for different process modules (such as Rapid Thermal Processing, Lower Pressure CVD, High k, DPN, RIE, Ashing Chamber, PVD Chamber, Degas Chamber, Preclean Chamber) and have different process capabilities and applications. The equipment will be housed in the Nanotechnology Centre. In recognition of this goodwill from the Applied Materials, Inc., IIT Bombay has decided to name the laboratory that will house the equipment as "Applied Materials Nano-manufacturing Laboratory". Also, a recognition plaque will be installed in the lobby of the Nanotechnology Centre acknowledging the donor's generous contribution in promoting research in Nanotechnology. This gift has been made possible through the IIT Bombay Heritage Fund.

Mr. Michael R. Splinter, President and Chief Executive Officer of this company, is a 30-year veteran of the superconductor manufacturing operations in the world. He has been at the forefront of many of the industry's most significant technology innovations and transitions. Mr. Splinter will be visiting IIT Bombay during October-November 2007 to inaugurate the Applied Materials Nano-manufacturing Laboratory. On this occasion, an MoU for collaborative R&D projects will be signed between IIT Bombay and Applied Materials Inc., USA.

IIT Bombay - Keio University to collaborate

The Keio University, Japan, and Indian Institute of Technology Bombay signed a Memorandum of Understanding on August 21, 2007. Prof. Ashok Misra, Director, IIT Bombay, and Prof. Yuichiro Anzai, President, Keio University, signed the MoU.

The collaboration between the two organisations would focus on collaborative research and joint publications, organisation of joint conferences, seminars and workshops and academic and research student exchanges.

MoU between IIT Bombay and Nagoya Institute of Technology, Japan

The Nagoya Institute of Technology, Japan, and Indian Institute of Technology Bombay signed a Memorandum of Understanding on June 19, 2007. Prof. Ashok Misra, Director, IIT Bombay, and Dr. MATSUI Nobuyuki, President, Nagoya Institute of Technology, signed the MoU.

Awards & Distinctions

Professor Deepankar Choudhury, Associate Professor of the Department of Civil Engineering, has been selected for the prestigious NASI Young Scientist Platinum Jubilee Award 2007 by the National Academy of Sciences, India. The award will be presented by the President at the academy's 77th Annual Session on December 8, 2007, at CFTRI, Mysore.

Professor U. K. Anandavardhanan, Assistant Professor of the Department of Mathematics, has been selected as an Associate of the Indian Academy of Sciences.

Seminars

Department of Chemistry

Professor J. M. Latour, Laboratoire de Chimie et Biologie des Métaux, France, delivered a seminar on "Oxygen and amine transfer reactions mediated by biomimetic diiron complexes" on October 9, 2007.

Professor Roger W. Read, School of Chemistry, The University of New South Wales, Australia, delivered a seminar on "Advances in fluorine chemistry: a strategy for efficient separations and self assembly in organic synthesis" on September 13, 2007.

Department of Civil Engineering

Professor Hayashi, Dean, Graduate School of Environmental Studies, International Research Center for Sustainable Transport and Cities, Nagoya University, delivered a seminar on "Motorization, Urbanization and the Environment - An International Perspective" on September 13, 2007.

Department of Computer Sciences and Engineering

Professor Ashwin Gumaste of the department delivered a talk on "Light-trails: from ideas to products" on September 19, 2007.

Department of Humanities and Social Sciences

Professor Joseph W. M. Kessels, Dean TSM, University of Twente, Netherlands and Professor of Human Resource Development at the Faculty of Behavioural Sciences, delivered a seminar on "Developing human capital and social capital for ensuring sustainable change: the implications of an emerging knowledge economy" on September 21, 2007.

Mr. Darryl D' Monte, former Resident Editor, The Times of India and an environmental Journalist delivered a talk on "Mumbai's Megacity Mess" on September 24, 2007.

Department of Mathematics

Professor Dr. Katrin Wedland, University of Augsburg, Germany, delivered a seminar on "Quantum Field Theory as an Aid to Geometers" on September 19, 2007.

Professor Dr. Carsten Carstensen, Humboldt University, Berlin, delivered a seminar on "Some remarks on the convergence of adaptive finite element methods" on September 20, 2007.

Dr. Deepak Parashar, delivered a seminar on "Coloured quantum groups, Yang-Baxter operators and Yang-Baxter systems" on September 21, 2007.

Department of Mechanical Engineering

Professor Ajay Chandak delivered a seminar on "Entrepreneurial opportunities in renewable energy: Solar" on September 12, 2007.

Mr. Krishna Jonnalagadda, Ph.D. Student, University of Illinois, Urban Champaign, USA delivered a seminar on "Fracture and Failure in MEMS Materials" on September 12, 2007.

Department of Metallurgical Engineering & Materials Science

Dr. Jogender Singh, Chief Scientist, Materials and Manufacturing Division, Applied Research Laboratory, Penn State University, delivered a seminar on "Smart Thermal Barrier Coatings Design with Increased Reflectivity and Lower Thermal Conductive for High

Temperature Turbine Applications" on September 13, 2007.

Professor R. Balasubramanian, Department of Materials and Metallurgical Engineering, IIT Kanpur, delivered a seminar on "The story of the Delhi iron pillar Dept. - a metallurgical marvel" on September 14, 2007.

Dr. Amitabh Bansal, Polymer and Chemical Technology, GE Global Research Center, USA, delivered a seminar on "Quantitative equivalence between polymer nanocomposites and thin polymer films" on September 18, 2007.

Department of Physics

Professor U. A. Yajnik of the department delivered a seminar on "Unification and supersymmetry" on September 26, 2007.

School of Biosciences and Bioengineering

Dr. Pankaj Chaturvedi, Associate Professor, Head and Neck Service, Department of Surgery, Tata Memorial Hospital, Mumbai, delivered a talk on "What a clinician expects from technology giants?" on September 6, 2007.

Centre for Technology Alternatives for Rural Areas

Dr. K. Raman, Deputy General Manager (Technical Services), Godrej Agrovet Limited, Mumbai, delivered a seminar on "Rural Reform through Technology Transfer" on September 20, 2007.

Mr. Yogesh Shastri, Tuljapur, Maharashtra, delivered a lecture on "Approaches in Watershed Management" on September 24, 2007.

Dr. Ipsita Das, Research Associate of the Centre, delivered a lecture on "SOIL-PLANT-WATER Relationship in Agriculture" on September 27, 2007.

**Centre for Studies in Resources
Engineering**

Professor D. G (David) Rossiter, International Institute for Geo-Information Science and Earth Observation (ITC), Netherland, delivered a seminar on "Digital soil mapping for sustainable soil management" on September 12, 2007.

**Sophisticated Instrument Analysis
Facility (SAIF)**

Drs. Ben Barrs, Mass spectrometer specialist from Varian, Netherlands delivered a seminar on LCMSMS ION TRAP on September 10, 2007.

Faculty News

Professor A. K. Rastogi, Dept. of Civil Engineering, presented a paper entitled "GA Application to Determine Optimal Pumping Policy in Heterogeneous Unconfined Aquifer" at the 4th annual meeting of Asia-Oceania Geosciences Society (AOGS 2007) held at Queen Sirikit National Convention Centre, Bangkok, during July 30 to August 4, 2007.

Student News

Mr. Shrikrishna N. Joshi, a Ph.D student of Mechanical Engineering Department, presented a research paper entitled "Development of an Intelligent Process Model for Die Sinking EDM" at the 23rd ISPE international conference on CAD/CAM, robotics and Factories of Future held at Bogota, Colombia, South America, during August 16-18, 2007.

Research Scholars' Forum

RSF celebrated with pomp and splendor the Freshers' Orientation-

cum-Welcome on the 3rd of September 2007 in the P. C. Saxena Auditorium.

The Director welcomed the new research scholars to the institute and exhorted them to work as a team and make IIT Bombay the premier research institution not just in the country but in the world. He emphasized on the shift in focus of the institute strategies to make IIT Bombay a fully equipped research institute, where there is excellence in research activities as well as encouragement and support to intensive researchers.

Present among the dignitaries on the occasion were Prof. Juzer M. Vasi, Deputy Director, as the Guest of Honour; Prof. A. K. Singh, Dean (Academic Programme); Prof. C. Amarnath, Professor-in-Charge, SINE, and Mentor of RSE, and Prof. V. M. Gadre, Convenor, PGAPEC.

On this occasion, Prof. C. Amarnath delivered a talk on "Idea to Business". The talk was designed to cater to the growing demands of entrepreneurship in research fields. Prof. Raghavan B. Sunoj from the Department of Chemistry and Prof. Abhiram Ranade from the Department of Computer Science & Engineering had delivered a talk entitled "Presentation Skills and Report Writing" and on "Technical Report Writing," respectively, on July 17, 2007.

Gymkhana News

India's star swimmer Rehan Poncha, to inaugurate the Golden Jubilee Inter-IIT Aquatics Meet.

The Inter-IIT Aquatic Meet of the Indian Institute of Technology- Bombay (IITB) will be held during October 2-5, 2007. Internationally acclaimed swimmer Rehan Poncha will be the Chief Guest at the Inaugural function.

The four-day Meet which will include Swimming & Water Polo events, to be held at the IITB's swimming pool and Mulund swimming pool, respectively.

The inaugural function will be held on October 2, 2007, at 5pm at IITB swimming pool. Along with Guest-of-Honor Mr. Rehan Poncha, Prof. Ashok Misra, Director, IIT Bombay, and Prof. Juzer M. Vasi, Deputy Director, IIT-Bombay, will preside over the inaugural function.

The inaugural function will include a swimming demo by IITB Swimming Club, state & national level swimmers and a synchronized swimming team demo.

IIT Bombay's swimming champion Mr. Sarvesh Paradkar, who is the captain of the IITB team will take an oath on behalf of all the swimmers.

**Documentary Film
Screening**

A Documentary "INDIA UNTOUCHED - Stories of a People Apart", directed by Drishti and presented by Navsarjan, was screened on September 27, 2007, at the P.C. Saxena Auditorium of the institute.

Appointments

Dr. Subhananda Chakrabarti has been appointed as an Assistant Professor in the Department of Electrical Engineering from September 11, 2007.

Professor Bill Casselman, Dept. of Mathematics, University of British Columbia, Canada has been appointed as a Visiting Professor in the Department of Mathematics for a period of one month.

Professor Karl Weighardt, Director, Max Plank Institute fur Bioorganische Chemie, Germany, has been appointed as a Visiting Professor in the Department of Chemistry for a period of two weeks.

Shri P. G. Ramesh, Assistant Registrar (General Administration), has been transferred and posted to the Internal Audit Section.

Shri G. K. Bhorkade, Assistant Registrar (Internal Audit Section), has been transferred and posted to the Administration Section.

Forthcoming Events

Sunita Williams to Visit IIT Bombay

As a part of the Golden Jubilee celebrations of the institute, the Department of Aerospace Engineering on the occasion of its annual event "Zephyr" has organised a visit of the NASA astronaut Sunita Williams on the campus on October 6, 2007. During her visit she will be delivering a keynote lecture besides interacting with the students and the faculty of IIT Bombay.

AVENUES '07

Shailesh J. Mehta School of Management, IIT Bombay, announces AVENUES.07, an annual business festival, during 27th-28th October 2007 and also the launch of National Prelims for three major competitions at AVENUES.07:

- **Abhyutthan**, the Championship Games
- **Navonmesh**, the Entrepreneurial Challenge (Business Strategy & Venture Capital Contests)
- **Chitrakatha**, the Film Making Contest

Highlights of the event would be the Guest Lectures by the eminent personalities like Hon'ble Finance Minister Shri P. Chidambaram; world renowned management thinker Prof C. K. Prahalad; His Holiness Sri Sri Ravi Shankar and many more. In a series of competitions, the Indian and International B-schools and Corporate, compete against teams from USA, the Netherlands, China, Singapore, amongst others.

For further details please visit <http://www.sjmsom-avenues.org> or contact Mr. N. Ramesh at +91 98677 43294, or email at avenues@isom.iitb.ac.in

Celebration Of Hindi Utsav



IIT Bombay celebrated Hindi Utsav as a mark of Hindi Divas on September 14, 2007. There were a number of programmes and competitions organized on this occasion. Hindi competitions in Essay Writing, Translation and Sulekh were conducted for the staff members of the institute. A light music programme "Sangeet Sandhya" was also arranged, and the skilled performance presented by the staff members delighted the audience.

On the concluding day of the event, a "Hasya Kavi Sammelan" was organized. While addressing the gathering, the Director appreciated the work being done by Hindi Cell and called upon the staff and faculty to do their routine work in Hindi. The Registrar highlighted the importance of the use of Hindi in the institute. Sixteen staff members of the institute were honoured for their commendable work in the implementation of Hindi. The names of the staff members who were honoured on the occasion are as follows:

Hindi Translation Competition

- 1) Mrs. Jayashree Purandare, 1st Prize Material Management Section
- 2) Ms. Hemangi Kargutkar, 2nd Prize Internal Audit Section
- 3) Ms. Sonal Chandrakant Rane 3rd Prize, Internal Audit Section

- 4) Shri Birendra Nath Ghoshal
Consolation prize, Security Section

Hindi Dictation Competition

- 1) Shri Dinesh Kumar Dube, 1st Prize Security Section
- 2) Shri Ramchandra Verma, 2nd Prize Security Section
- 3) Shri C. G. Shrivardhankar, 3rd Prize Hospital
- 4) Shri M. R. M. Verma, Consolation prize, Security Section

Hindi Essay Competition

- 1) Shri Sajjan Kumar Dixit, 1st Prize KReSIT
- 2) Shri Sachin S. Talashilkar, 2nd Prize Metallurgical Engg. & Mat. Sci.
- 3) Dr. Sachin Gurishankar Sarate, 3rd Prize, Hospital
- 4) Smt. Jayashree A. Purandare Consolation prize, Material Management Section

Good Work in Hindi

Mrs. S. Sudreshan, Accounts Section
Mrs. S.S. Uthale, Accounts Section
Mrs. S.S. Bhangare, Accounts Section
Shri Deepak Thappa, Accounts Section
Shri Sandeep Kharat, Accounts Section
Shri V.B. Mamdapur, Estate Office
Mrs. Soumini Soman, Estate Office
Mrs. Kavita Karande, Academic Section

Shri Arun J. Thakur, Academic Section
 Shri Pradeep S. Paradkar,
 Academic Section
 Mrs. Asha B. Vavikar, Academic Section
 Shri R.P. Mahule,
 Metallurgical Engg. & Mat Sci.
 Shri Anil Jhadav, Academic Section
 Shri Purshottam V. Ranade,
 Printing Press
 Shri Sachin Tafashilkar,
 Metallurgical Engg. & Mat Sci.
 Shri Vinayak Bhate, Civil Engineering

Participants of Sangeet Sandhya

Shri Pushpak Bhattacharya, CSE
 Shri Vinayak Bhate, Civil Engg.
 Shri Prakash Karvanje,
 Chemical Engg.
 Shri B. W. Lokhande,
 Accounts Section
 Shri Ashok Lavande,
 Accounts Section
 Shri V. K. A. Mam,
 Accounts Section
 Mrs. Swati Deshmukh,
 Administration Section
 Mrs. Jaishree Purandare,
 Material Management Section
 Ms. Komal Nagarkar,
 Design Cell
 Mrs. Chadravati More,
 Estate Office
 Ms. Hemlata Kadu,
 Audit Section
 Shri Santosh Kumar Saroj,
 Application Software Cell
 Shri Vivek Mamdapur, Estate Office

Events			
CEP Courses			
The following CEP courses will be held in October 2007:			
No.	Course Title	Coordinator / Department	Date
1.	Building Effective Apparel Business Organisations in India	Prof. A. Ghosh SJMSoM	October 03 - 05
2.	Industrial Engineering	Prof. A. Subash Babu Mech. Engg. Dept.	October 04 - 08
3.	The Role of Technology in Crime and Crime Prevention (for BPR&D, New Delhi)	Prof. A. Karandikar Elect. Engg. Dept.	October 08 - 13
4.	Workshop on ExpoVC	Prof. R. Poovaiah IDC	October 17 - 20
5.	Certificate Programme in Management	Prof. S. Narayan Rao SJMSoM	October 17 - 25
6.	Civil Aviation in India Today - Emerging Patterns of Aerospace Engg. Dept.	Prof. H. Huber SJMSoM & Prof. R.K. Pant,	October 23 - 24
7.	Distillery Wastewater Management: Achieving the Goal of Zero Discharge	Prof. A.K. Dikshit, CESE	Oct. 29 - Nov. 02

Shri R. G. Gaikwad, Security Section
 Shri M. R. M. Varma, Security Section
 Shri Jagdish Chandorkar,
 Printing Press

Shri Prakash Vaidya,
 Printing Press
 Mrs. Manjula Shenoy,
 Design Cell

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