

Director's Message



Dear Readers,

I am glad that the Campus Diary is back after the break of a few years and I am happy to write this message for its first publication.

The Indian Institute of Technology Bombay was established in 1958 for providing leadership in education and research with a focus on science and technology. The Institute has continually re-invented itself in terms of academic programmes, research infrastructure, entrepreneurial initiatives and vigorous Institute-industry partnership. The breadth of its offerings has increased significantly beyond science and engineering.

The Institute has expanded considerably in numbers of students who are engaging in a wide variety of activities. We continue to attract outstanding faculty members to the Institute bringing new research areas and interests. The focus on research is resulting in many new developments. The Institute is attracting a large number of international visitors and students.

I congratulate the Campus Diary team for restarting the publication of the Campus Diary and look forward to its coverage of the diverse activities on campus.

Devang Khakhar
DIRECTOR

Prof. Phatak honoured with Padma Shri



Professor Deepak B. Phatak was honoured with the Padma Shri by the Government of India, on the Republic Day 2013, for his distinguished service to the nation in the field of Science and Engineering. The Padma Shri is the fourth highest civilian award given by the Government of India. Prof. D.B. Phatak is also known for his notable work for upgrading the world's cheapest tablet Aakash.

Prof. D.B. Phatak is IIT Bombay's second faculty member to receive this honour. Earlier, Prof. S.P. Sukhatme, former Director and faculty member of Mechanical Engineering, IIT Bombay, was honoured with the "Padma Shri" in 2001.

Prof. Phatak obtained his Bachelor's degree in Electrical Engineering from SGSITS Indore in 1969, and his M. Tech. and Ph. D. from IIT Bombay. He has been serving with IIT Bombay since 1971. He headed the CSE department from 1991 to 1994, He was the first Dean of Resources of the Institute from 1995 to 1998. He was the founding head of the Kanwal Rekhi School of IT from 1998 to 2002. He briefly served as Head of Shailesh J. Mehta School of Management, from 2004 to 2005. He is currently Subrao M Nilekani Chair Professor, in the department of Computer Science and Engineering.

Prof. Phatak was conferred Life time achievement awards by Skoch foundation in 2003, by Data Quest in 2008, and by Dewang Mehta Business School awards in 2010. In 2009, he was listed among fifty most influential Indians, by Business week. He received the 'Excellence in Teaching' award of IIT Bombay in 2009; and the IIT Bombay Industrial Impact award in 2010.

IIT ROUTE MARKERS FELICITATED CELEBRATES 54th FOUNDATION DAY



The Indian Institute of Technology Bombay celebrated its 54th Foundation Day, on Monday, 11th March 2013, by honouring the signal contributions of its teachers as well as alumni who have left an indelible imprint on their chosen fields of profession. The Chief Guest on the occasion was Hon'ble Dr. A.P.J. Abdul Kalam, former President of India.

In a function organised at IIT Bombay, nine Distinguished Alumnus Awards-2013, three Young Alum Achiever Awards-2013, and two research awards, viz., the Prof. S.C. Bhattacharya Award for Excellence in Pure Sciences-2012 and the Prof. H.H. Mathur Award for Excellence in Applied Sciences-2012, were given away.

Distinguished Alumnus Award-2013

Instituted during the Silver Jubilee celebrations of the institute in 1983, the Distinguished Alumnus Award is the highest honour the institute bestows on its alumni. This year IIT Bombay honoured nine alumni who have made outstanding contributions in academic research, social sector, industrial designing, entrepreneurship, child education, etc. It is a true reflection of the diversity of fields in which IIT Bombay alumni continue to work and leave their mark.

Dr. Nagesh Palepu (M.Sc., Chemistry, 1972), Founder, TherDose Pharma, Hyderabad, was conferred the award in recognition of his outstanding contributions to Global Pharmaceutical Industry as an Entrepreneur and as a Business Leader.

Ms. Neera Adarkar (DIIT, I.D.C. 1974), Practising Architect, Mumbai, received the award in recognition of her outstanding contributions to the field of Urban Research and Urban Activism.

Dr. Jayant Sabnis (B.Tech., Mechanical Engg., 1975), Vice President and Chief, System Functional and Design, Pratt & Whitney, received the award in recognition of his outstanding research and contributions to the field of Aircraft Propulsion.



Dr. Daniel Dias (B.Tech., Electrical Engg., 1976), Director, Cloud Innovation Technologies, IBM T.J. Watson Research Center, Yorktown Heights, New York, received the award in recognition of his outstanding contributions to the pioneering research in scalable commercial computing systems, as a Business Leader.

Mr. Amarnath Bhide (B.Tech., Chemical Engg., 1977), Thomas Schmidheiny Professor, Fletcher School of Law and Diplomacy, Tufts University, received the award in recognition of his outstanding academic contributions to the field of Strategy, Finance and Firm Governance.

Mr. Shantanu Khosla (B.Tech., Mechanical Engg., 1981), Managing Director & CEO, P&G India, was conferred the award in recognition of his outstanding achievements in the corporate world and redefining the role and contribution of business towards India's social development.

Mr. Ashok Kamath (M.Sc., Mathematics, 1981), Chairman, Akshara Foundation, was conferred the award in recognition of his various social initiatives and outstanding contributions to the field of Child Education.

Dr. Satyajit Mayor (M.Sc., Chemistry, 1985), Senior Professor and Director, National Centre for Biological Sciences (NCBS), TIFR, Bangalore, received the award in recognition of his outstanding research contributions to the field of Life Sciences.

Mr. Satyendra Pakhale (M.Des., I.D.C., 1991), Industrial Designer, Amsterdam, was conferred the award in recognition of his outstanding achievements in the field of Industrial Designing.

Young Alum Achiever Award-2013

The award was instituted to recognize an alumnus/na from the institute who has achieved extraordinary success and accomplishments in their fields at a very young age. This year's

award was conferred upon three young achievers in recognition of their contributions in entrepreneurship and research.

Dr. Manoj Aggarwal (B.Tech., Electrical Engineering, 1995), Founder, Mamigo Inc., received the award in recognition of his successes in entrepreneurial ventures.

Dr. Ashwin Seshia (B.Tech., Engineering Physics, 1996), Reader in Microsystems Technology, University of Cambridge, UK, received the award in recognition of his research in the field of Micro-Electro-Mechanical Systems (MEMS).

Dr. Balabhaskar Prabhakar Pandian (M.Sc., Biotechnology, 1997), Manager, Cellular & Biomolecular Engineering, CFDR, Huntsville, AL, received the award in recognition of his research and development in the field of microfluidic/nanofluidic-based biological systems, biomedical devices and systems biology.

Research Awards-2012

The **Prof. S. C. Bhattacharya Award for Excellence in Pure Sciences-2012** was presented to **Prof. H.B. Singh**, Department of Chemistry, in recognition of his outstanding research contributions in the area of "Organochalcogen Chemistry".

The **Prof. H. H. Mathur Award for Excellence in Applied Sciences-2012** was conferred upon **Prof. V. Ramgopal Rao**, Department of Electrical Engineering, in recognition of his outstanding research contributions in the area of "Nanoelectronics".

Healthcare Innovation World Cup

IIT Bombay Team Smart Sense bags third place

Developers of a pill bottle that wirelessly transmits data, measures medication and sends patient reminders have emerged as grand prize winners in the Healthcare Innovation World Cup, the

international diabetes innovation challenge funded by Boehringer Ingelheim and organized by Healthcare Innovation Technology Lab (HITLAB), New York.

Team AdhereTech from United States was selected for first place, Team IITKgp for second, team SmartSense, IIT Bombay for third, and team EndoGoal as the fourth-place finalist. This was announced on May 10, 2013, at the German Center for Research and Innovation in New York City.

Team SmartSense comprising of *Dr. Mayur M. Sadawana*, *Dr. Rohit Srivastava*, and *Dr. Yogesh Patil* from Department of Biosciences & Bioengineering, have developed a multianalyte sensing device for diabetic ketoacidosis (DKA), to sense all the metabolites necessary for management of the condition with a single prick. According to team members, it is designed to reduce the pain and economic burden faced by patients with DKA. *Team SmartSense, was awarded \$5,000 in prize money.*

All four teams received \$2,500 each for reaching the final round of the competition. Overall, more than 100 teams representing 20 countries around the globe submitted diabetes innovations for the Healthcare Innovation World Cup, which awarded a total \$75,000 in prizes to semifinalists and finalists.

LIFETIME ACHIEVEMENT AWARD-2013

CONFERRED ON Prof. Juzer M. Vasi

IIT Bombay conferred the Lifetime Achievement Award-2013 on Prof. Juzer M. Vasi, Department of Electrical Engineering, in recognition of his outstanding contributions as teacher, researcher and administrator. The presentation ceremony was held at the F.C. Kohli Auditorium in IIT Bombay on April 19, 2013.

The Lifetime Achievement Award was instituted by IIT Bombay in the year 2000 to confer on a faculty member who has served the institute at least

for 20 years with distinction for a major part of their career as a faculty member, and who has made outstanding contributions towards teaching, research, industrial interaction and institution building.

Lifetime Achievement Award-2013



Prof. Juzer M. Vasi obtained his B.Tech. from the Indian Institute of Technology, Bombay in 1969 and his Ph.D. from The Johns Hopkins University in 1973 and joined IIT Bombay in 1981 where he is currently a Professor. Prof. Vasi, who joined IIT Bombay as Lecturer in 1971, has served the Institute as Head Electrical Engineering Department from 1992-1994, and as Deputy Director, Indian Institute of Technology Bombay, 2006-2009. Prof. Vasi's research interests are in the area of MOS devices and technology. He is world renowned authority on the growth and characterization of MOS insulators, radiation effects in MOS devices, degradation and reliability of MOS devices, and modelling and simulation of MOS devices. He has published and presented over 100 papers in these areas, and acted as a referee for leading Indian and international journals. Prof. Vasi has interacted widely with industries in India and abroad, and been involved with many sponsored projects from government agencies and industries. Prof. Vasi's work was recognized through various prestigious awards in India and abroad. He was Editor of the IEEE Transactions on Electron Devices for the MOS Devices and Technology area for over 5 years during 1997-2003, elected as a Fellow of IEEE in 2005 and was a Distinguished Lecturer (DL) of IEEE Electron Devices Society during 2001-2005. He is also a Fellow of IETE, and a Fellow of the Indian National Academy of Engineering.

Corporate Leadership Conclave



The IIT Bombay–Washington University Corporate Network (IITB-WUSsTI-Corporate Network) organized Corporate Leadership Conclave on Monday, March 25, 2013. The Conclave was a discussion between corporate leaders and academic leaders from IIT Bombay and Washington University

in St. Louis to identify opportunities for collaborative work through a university–corporate partnership. Approaches to develop a robust funding mechanism to sustain the efforts were also developed at this Conclave.

Prof. Devang Khakhar, Director, IIT Bombay and Prof. Mark S. Wrighton, Chancellor, Washington University, briefed the participants on “Background and Goals of the Conclave”. The keynote presentations – by Mr. Pramod Chaudhari, Executive Chairman, Praj Industries (Corporate Leader from India) and Mr. Rakesh Sachdev, President and Chief Executive Officer, Sigma-Aldrich Corporation (Corporate Leader from United States) – were followed by a Round Table discussion on “Role of University–Corporate Partnership” and a discussion of the proposed October 2013 Conclave in St. Louis. A draft document called “Mission Statement” was also discussed at this Conclave to convert it into a final document. This document will guide the future development of the partnership. There were also Table Assignments and Discussion Questions at the working lunch.

Both the current Conclave and the one to be held at St. Louis in October 2013 were decided at the preliminary planning meeting held at the 4th International Symposium on Energy and Environment in December 2012 in Mumbai. In all, 33 corporate leaders participated in the Conclave. Attendance was limited to this number in order to allow for good discussion and dialogue in connection with research partnerships.

The creation of IITB-WUSsTI-Corporate Network – which is the outcome of collaboration between IIT Bombay and Washington University as partners of the McDonnell International Scholars Academy – is being proposed to scale up collaborative activities in research, education and talent development. The initial areas of research would include developments in clean energy, creating position papers in

future energy and environmental R&D, training programmes for the corporate sector, and building a partnership for creation of an advanced workforce. The Network will be a novel global research, development and education partnership that provides innovative solutions and talent development through collaborative programmes and projects in thematic areas of strategic importance to industry. As both IIT Bombay and Washington University are leaders in education in their respective countries and regions, there is a plan to launch joint educational degree programmes.

Awards and Distinctions

Prof. Dharamveer Singh, Department of Civil Engineering, received Shikha Rattan Purashkar of India International Friendship Society (IIFS), New Delhi 2013.

Prof. Singh was also selected on the H-6 Committee on Road Maintenance and Asset Management, India Road Congress, New Delhi, from March 2013.

Book "Karadi Tales - THE RUMOUR" by **Prof. C.P. Narayan**, IDC, has won this year's South Asia Book Award (SABA), administered by the South Asia National Outreach Consortium.

Prof. G. Rajaraman, Department of Chemistry, has been selected as Young Scientist of INSA.

Prof. H.B. Hablani, Department of Aerospace Engineering, has been awarded the "Excellence in Aerospace Education Award for 2012" by Aeronautical Society of India.

Publications/ Presentations

Prof. S. Tripathi, Prof. A. Prabhakar, Prof. N. Kumar, Prof. S.G. Singh and Prof. A. Agrawal, Department of Mechanical Engineering, "Blood plasma separation in elevated dimension T-shaped microchannel," in Vol. 15 (3), pp.415-425, 2013 of 'Biomedical Microdevices'.

Prof. V.S. Duryodhan, Prof. S.G. Singh and Prof. A. Agrawal, Department of Mechanical Engineering, "Liquid flow in a

deverging microchannel," in Vol. 14, pp.53-67, 2013 of 'Microfluidics and Nanofluidics'.

Prof. Neelima Talwar, Department of Humanities and Social Sciences, presented a paper titled "Monologues: An Intercultural Perspective" in the 37th Comparative Drama Conference held in Baltimore, MD from April 4-6, 2013.

Mr. Harihar Behera and Prof. Gautam Mukhopadhyay, Department of Physics, "Fermi-velocity Modulation in Graphene by Strain Engineering", paper published in proceeding, *American Institute of Physic Conf. Proc.* 1512 (2013) 360-361.

Prof. Gautam Mukhopadhyay and Mr. Harihar Behera, Department of Physics, Errata: Graphene and Some of its Structural Analogues: Full-potential Density Functional Theory Calculations [WJOE 10(1) (2013) 39-48], paper published in *World journal of Engineering*, 10 (2), 189-190 (2013)

Prof. Gautam Mukhopadhyay and Harihar Behera, Department of Physics, Graphene and Some of its Structural Analogues: Full-potential Density Functional Theory Calculations, <http://arXiv.org/abs/:arXiv.1303.3885v1> [cond-mat.mes-hall] (2013).

Institute Colloquia/ Lectures & Seminars

Dr. Vijay K. Saraswat, Director General, Defence Research & Development Organization, Secretary of Defence Research and



Development and Chief Scientific Advisor to the Minister of Defence, spoke on "Future Challenges of

Aerospace Research in India: A Perspective", at the Institute Colloquium on March 2, 2013.



Prof. Sean P. Meyn, Department of Electrical and Computer Engineering, University of Florida, spoke on "The Dynamics of Power (in Wholesale Electricity Markets)", at the Institute Colloquium on March 6, 2013.

Prof. Tan Chorh Chuan, President, National University of Singapore, spoke on "Ready for the Future? Are



universities well-prepared for a much more complex and fast-paced future?", at the Institute Colloquium on March 28, 2013.

Prof. Aibing Yu, School of Materials Science and Engineering, The University of New South Wales, Australia, spoke on "Computational Particle Science and Technology", at the Institute Lecture on April 22, 2013.

Prof. Sir Michael Pepper, FRS, Department of Electronic and Electrical Engineering, London Centre for Nanotechnology, University College London, UK, spoke on "Semiconductor Nanoelectronics – the Engineering of Physics", at the Cockcroft - Walton Lecture under the Institute Lecture series. The lecture was supported by Institute of Physics, UK, and Indian Physics Association under bilateral exchange of lecturers. The lecture was held on May 2, 2013.

Department of Biosciences & Bioengineering

Dr. Nikhil S. Malvankar, Post-doctoral Research Associate, Departments of Physics and Microbiology, University of Massachusetts, USA, delivered a seminar on "Metal-like transport in proteins: A new paradigm for biological electron transfer and bioelectronics" on March 4, 2013.

Dr. Alpeshkumar K. Malde, Ph.D, Senior Postdoctoral Fellow, MD Group, School of Chemistry and Molecular Biosciences (SCMB), The University of Queensland, Australia, delivered a seminar on "Refinement and validation of ligands in X-ray crystal structures" on March 22, 2013.

Dr. Vivek Jayaraman, Group Leader, Janelia Farm Research Campus, Howard Hughes Medical Institute, USA, delivered a seminar on "Linking vision and action in the brain of behaving flies" on April 1, 2013.

Department of Chemistry

Dr. Peter Comba, Anorganisch-Chemisches Institut, Universität Heidelberg, Germany, gave a talk on "Modeling of molecular properties, Fundamental principles and case studies with transition metal compounds" on March 5, 2013.

Prof. Steven Rokita, Department of Chemistry, Johns Hopkins University, Baltimore, gave a talk on "Reversible Thymine Dimerization and Electron Transport in DNA" on March 7, 2013.

Prof. N.G.Ramesh, Department of Chemistry, IIT Delhi, gave a seminar on "Glycal Approach to Diversity Oriented Synthesis of Biologically Active Compounds" on March 7, 2013.

Prof. T.K.Chandrasekhar, National institute of Science Education and Research, (NISER), Bhubaneswar, gave a seminar on "Expanded Porphyrins as Hückel vs Möbius aromatic systems and photodynamic therapeutic agents" on March 12, 2013.

Prof. Ponnadurai Ramaswami, Computational Chemistry Group, Department of Chemistry, Faculty of

Science, University of Mauritius, Mauritius, gave a seminar on "Computational Chemistry at the University of Mauritius: Past, Present & Future" on March 12, 2013.

Dr. A.K. Lala Memorial Lecture was held on March 21, 2013. **Prof. Amitabha Chattopadhyay** of CCMB was the guest speaker on this occasion.

Dr. Santosh Pinjkar, Australian Synchrotron, Australia, Department of Biochemistry and Molecular Biology, Monash University, Australia, gave a talk on "The impact of structural biology on alkaloid biosynthesis research" on March 21, 2013.

Prof. S.Chandrasekaran, IISc Bangalore, gave a talk on "Vinylcyclopropanes as Key Intermediates for the Synthesis of Functionalized Amidines, Z-Alkylidene-tetrahydrofurans and Oxepanes" on 22nd March 2013.

Dr. Nishant Bhatambrekar, Siemens Energy, Inc. Orlando, Florida, USA, gave a seminar on "Advances in Ultra-fast Photonics :Selected applications" on April 4, 2013.

Prof. Christophe Darcel, UMR Université de Rennes 1 – CNRS 6226, "Institute Sciences Chimiques de Rennes", Team "Catalysis and Organometallics" – Centre of Catalysis and Green Chemistry - Campus de Beaulieu, France, delivered a seminar on "Molecular Defined Iron Catalysts and Hydrosilylation Reactions" on April 4, 2013.

Prof. Veronique Michelet, CNRS Research Director, Laboratoire de Chimie, Organique Chimie, Paris Tech, Paris, gave a talk on "Recent Developments in Carbon-Carbon and Carbon-Oxygen bonds formations in the presence of Rh, Pt, Cu, In & Au complexes" on 5th April 2013.

Prof. Tushar Kanti Mukherjee, Assistant Professor, Department of Chemistry, IIT Indore, delivered a seminar on "Interaction and Behavior of Allylamine Capped Silicon Quantum Dots with Bio-mimicking Environment Studied using PL

Spectroscopy and Imaging Techniques" on April 16, 2013.

Prof. Manas Ghorai, Department of Chemistry, IIT Kanpur, gave a seminar on "Synthesis of Bioactive Chiral N/O-Heterocycles via Domino-Ring Opening Cyclization (DROC) of Aziridines and Azetidines" on April 26, 2013.

Dr. Amitav Sanyal, Department of Chemistry, Bogazici University, Turkey, gave a talk on "Design of Novel Polymeric Materials for Biomolecular Immobilizations" on May 14, 2013.

Department of Energy Science and Engineering

Dr. Vivekanand, University of Gothenburg, Sweden, delivered an invited talk entitled "Biomass to Bioenergy" on April 10, 2013.

Dr. S. Srinivas, Massachusetts Institute of Technology, USA, delivered an invited talk entitled "Modeling and Simulation of Energy Conversion Processes" on May 24, 2013.

Department of Humanities and Social Sciences

Prof. Sudha Shastri organised a two-day refereed conference with national and international participants on Disnarration titled "The Road Not Taken", March 1-2, 2013.

Plenary speakers included Prof. Jasbir Jain, Hon. Director, Institute for Research in Interdisciplinary Studies, Jaipur, and Prof. Supriya Chaudhuri, co-ordinatory of the Centre of Advanced Study at the Department of English, Jadavpur University, Kolkata.

Department of Metallurgical Engineering & Materials Science

Dr. Pritha Ray, Principal Investigator, SO "E", ACTREC, Tata Memorial Centre, Navi Mumbai, delivered a seminar on "Noninvasive Molecular Imaging: Live Cells to Living Subjects" on May 9, 2013.

Centre for Environmental Science and Engineering

CESE and Environmental Science and Engineering Association (ESEA)

organised an one day event on "Awareness Initiative on Energy, Environment and Ecology (AIEEE 2013)" at IIT Bombay on March 16, 2013.

Faculty News

A six member delegation consisting of Prof. R. Murugavel, Prof. M. Ravikanth, Prof. Anilkumar, Prof. K. P. Kaliappan, Prof. Pradeepkumar P.I and Prof. Ruchi Anand visited University of Strathclyde and Edinburgh during March 24, 2013 and March 28, 2013, as a part of MOU between IITB and these Universities

Prof. H. B. Singh, Department of Chemistry, delivered 5th Department Colloquium on "Tales of the Unexpected" on April 5, 2013.

Prof. Dharamveer Singh, Department of Civil Engineering, was invited to deliver lecture on "Design and Performance of Hot Mix Asphalt with High RAP Contents," at a National Workshop on New and Alternate Pavement Materials, at Central Road Research Institute (CRRI), New Delhi on March 20-21, 2013.

Prof. D. Parthasarathy, Department of Humanities and Social Sciences, was invited to deliver a lecture "Aspirations for Religion? Caste, Secularization and the Cacophony of Religious Performance in Mumbai" on May 14, 2013. The lecture was part of the Religious Diversity Colloquium series, organised by the Max Planck Institute for the Study of Religious and Ethnic Diversity at Gottingen, Germany.

Prof. V.D. Sharma, Department of Mathematics, delivered a talk on "Nonlinear wave Interaction and Riemann Problem" at an International Conference on Computational Analysis of Inverse Problems and Partial Differential Equations, held at the University of Central Florida, Orlando, USA, during May 9-11, 2013. Prof. Sharma also gave a seminar talk on "Euler equations and the C^1 waves" to the research group on magnetohydro dynamics, group at CIMS, New York University on May 14, 2013.

Prof. Amit Agrawal, Department of Mechanical Engineering, gave a keynote talk on "Flow boiling in microchannel" at the 2nd National Conference on Advances in Heat Transfer and Fluid Dynamics, held at Aligarh Muslim University, Aligarh, during March 23-24, 2013.

Prof. Shrikrishna G. Dani, Department of Mathematics, gave two talks on "The Story of Development of Mathematics in India" and "Diophantine approximation – via arithmetic, geometry and dynamics" at "Prof. S.V. Keshava Hegde Memorial Endowment Lecture", organised at the University of Mysore, on March 9, 2013.

Prof. Dani gave a talk on "Geometry in the Sulvasutras" in the workshop on Promoting History of Science in India, at IIT Gandhinagar, during March 16-17, 2013.

He gave a talk on "Trigonometry in Ancient and Medieval India" at the Frontiers of Mathematics and Recent Developments Conference held at Rani Channamma University, Belgavi, during March 26-27, 2013.

Prof. Dani also delivered a talk as a part of a special series on the history of sciences, entitled "Storia della matematica indiana", organized by the Scuola Superiore dell'Universita di Udine, in collaboration with Progetto Lauree Scientifiche-Matematica e Statistica, Universita di Udine, Udine, Italy, on May 15, 2013 on "Geometry in the Vedic Period".

Prof. S. Narayan Rao, SJM School of Management, presented a research paper on "Long-term Stock Market and Operating Performance of Buyback Firms in India" at the 49th Annual Conference of Eastern Finance Association held during 10-13 April, 2013 at St. Pete Beach (Florida, USA). He also chaired a session and was discussant for a paper.

Prof. Atanu Ghosh, SJM School of Management, Chaired and participated in a Panel Discussion on "Organic, BCI & Fair Trade in Cotton Branding & Retailing" at the International Conference on the theme "Back to Glory – Challenges

Facing Indian Cotton" held at IIM Ahmedabad on 9 - 10 April 2013.

Prof. Ghosh delivered a talk on "Reverse Innovation" to the Post Graduate students of Department of International Politics/Relations, School of Global Studies, Sikkim University, Sikkim on May 7, 2013.

Prof. Ghosh delivered a talk on "Disruptive Innovation for Emerging Economies – necessities, challenges and success stories" and was the Chief Guest at the Inaugural function of the Management week of Baroda Management Association, held on May 26, 2013.

Prof. Ghosh participated in a panel discussion on "Recession & Resources - How to Manage?" at the Annual Conference of Vadodara Audit Club, part of the The Institute of Internal Auditors, Inc. USA, held on May 18, 2013.

Prof. Ghosh was invited by Strategic Management Forum to the 14th Annual National Management Convention held at IIM Kozhikode during May 23-25, 2013, and chaired two academic sessions and one case colloquium session.

Prof. A.K. Dikshit, Centre for Environmental Science and Engineering, delivered talk on "Sustainable Water Management for Industries" at ONGC CEP course on "Rainwater Harvesting and Storm Water Management" organised by the Department of Civil Engineering, IIT Bombay on April 4, 2013.

Prof. Dikshit also gave an invited lecture on "Water Quality Modelling" at Civil Engineering Department, Bapuji Institute of Engineering and Technology, Davangere, on April 8, 2013.

Student News

Anirban Ghatak, Ph.D. Student, IE&OR, delivered an Institute Lecture on "Evolution, Cooperation and US", during his visit to IIT Ropar between April 15, and May 15, 2013. He also delivered a lecture for all Ph.D Students on "Irrationality in Research".

Mr. Anaroop Kerketta, Student, IDC, has been awarded the Indo-Canada

Student Innovation Award (ICSIA) for his short animation film "Inside My Mind".

Mood Indigo ATM

April 14, 2013

The team had just been formed and one of the first major events we were supposed to plan was the co-ordinators' (fondly called as coordies) ATM (all team meet). Every independent body (IB) in the institute turns into a recruiter at this time and tries to attract the best talent to its organization for obvious reasons. So we put on the imaginary suits and thinking caps and started pouring in ideas for the publicity of the ATM. Bubbling with enthusiasm, we came up with tons of ideas. Apart from the publicity, we had to think of some activities in the ATM that our to-be-coordies (or coordinators) could enjoy.

For the first time, the team faced their ideas being scrapped on several grounds. Some were too costly, some were difficult to execute, some were just too ordinary and some were cheap. I too, had to swallow my pride and accept that some of my ideas just couldn't be implemented. Due to the non availability of the OAT (open air theatre) on any other day later that week and the approaching endsems, it was decided to keep the ATM on a Sunday. We had 4 days to execute the ideas. There were a few lucky ideas that made it to the final list. We decided to make a video for the ATM for the very first time. The campaign was titled, "Experience a new level of MI". There was a time crunch. "I am the media head; publicity is my responsibility, I have to deliver", were some of the thoughts in my mind. The shooting for the video was done in about 3 hours in VMCC (Victor Menezes convention centre) with a bunch of enthusiastic freshers. In the video, a fresher (called as freshie in the insti lingo) brings a table inside a lift. As the lift enters the next level, he sees a boost of confidence and authority flaring up in him. At the next level he then instructs two other people to take the same table (which was still in the lift) outside. The idea was not to belittle

any work but to signify the authority and responsibility that would come along with becoming a coordinator. We implemented some crazy online ideas as well. We all had our display pictures on facebook cropped in a way that removed only us and not the background which made it very catchy. The cover picture of our profiles had some footsteps and it said, "Went to the ATM".

The offline campaign was equally interesting. Canara and SBI ATMs were targeted and catchy captions were scribbled with chalk near them. Flags were put on cycles; rusted cycles were painted and kept at prominent places just for the purpose of attracting attention to the event. Flyers were printed and were hung using clips on the ropes used for hanging wet clothes in hostels.

Meanwhile we were also thinking of games we could have during the ATM. We ourselves tried out some games a night before in the OAT. We narrowed down to a game in which the freshies, in groups of 15 each had to form shapes as told by us.

At the day of the ATM, we were ready with the speakers, the projector, the screen, mics and lots of content for the freshies to enjoy. We released a look-back video of Mood I 2012 in front of them. There was a live performance of the MI anthem and some small interactive acts for them. They had been sitting all this while; now they were asked to come out and try this game. Ah! But those lazy guys won't just climb down the stairs and come in the quadrangle. Thankfully, some girls stepped down and formed a team of their own. Taking advantage of this, I and my co host mocked the boys and then one by one they did form a team. Each CG (core group member) was given a team. We had 20 odd teams in all with 15-20 people in each team.

3 groups were asked at a time to form the same shape; the one to make the shape fastest won. After eliminating some groups, we were left with 2 in the finals. The winning group was given freebies. We then went ahead with the department

introductions and grouped with our respective departments.

After the ATM, the 24 of us jammed, sung a few songs in the OAT and had a nice dinner.

The next day I woke up and returned to a different world full of differential equations and fluid flows. Not to mention the quiz lined up for me the very next day. So many colours of life in a single week! It was fun.

— **Abhirath Sharma**, 3rd year undergraduate, Department of Mechanical engineering

Demises

Prof. S.C. Bhattacharya, Former faculty of Department of Chemistry, expired at the age of 95 at Dehra Dun on 19th May 2013.

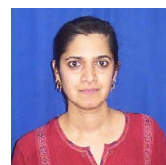
Appointments



Dr. V.R. Prasad, Sr. Administrative Officer (on contract), Dean (R&D) Office, has been appointed as Assistant Registrar on March 28, 2013.



Dr. Suddhasatta Mahapatra, Dept. of Physics has been appointed as Asst. Professor on April 1, 2013.



Prof. Swati Patankar, Dept. of Bioscience and Bioengineering has been appointed as the Professor-Incharge, IITB-Monash Research Academy, on April 26, 2013.



Prof. Arindrajit Chowdhury, Dept. of Mechanical Engg. has been appointed as an Asst. Professor on May 3, 2013.



Dr. Y.S. Mayya, Dept. of Chemical Engg., has been appointed as Adjunct Professor on May 6, 2013.



Dr. Prachi Mahajan, Dept. of Mathematics has been appointed as Asst. Professor on May 13, 2013.



Prof. Sandeep Kar, Dept. of Chemistry has been appointed as Asst. Professor on May 23, 2013.



Dr. Shireesh B. Kedare, Department of Energy Science and Engineering has been appointed as Adjunct Professor on May 27, 2013.

Retirements

Prof. D. Chandrasekharam,



retired after 26 years of service on March 31, 2013. He worked as Professor in the Department of Earth Sciences.



Engineering.

Shri P.V. Shendye, retired on March 31, 2013. He was working as Sr. Tech. Supdt., in the Department of Mechanical



Department of Aerospace Engg.

Shri Bhagwan H. Sarkate, retired after 30 years of service on March 31, 2013. He worked as Sr. Attendant in the



Campus School.

Shri. Atmaram D. Surwade, retired after 23 years of service on March 31, 2013. He worked as Peon (SG), in the



Health Office

Smt. Gaubai R. Gaikwad, retired after 7 years of service on March 31, 2013. She worked as Cleaner, in the Public



Gymkhana

Shri. Shrirang M. Suradkar, retired after 34 years of service on March 31, 2013. He worked as Helper (SG), in



Department of Computer Sciences and Engineering.

Prof. D.B. Phatak, retired after 41 years of service on April 30, 2013. He worked as Professor, in the



Department of Humanities and Social Sciences.

Prof. A. R. Ramanathan, retired after 32 years of service on April 30, 2013. He worked as a Professor in the



Department of Computer Sciences and Engineering.

Prof. N.L. Sarda, retired after 40 years of service on May 5, 2013. He worked as a Professor, in the



Superintendent, in the Department of Chemistry.

Mr. Prince Sundarsingh, retired after 34 years of service on May 5, 2013. He worked as Senior Technical



Superint., in the Industrial Design Centre.

Shri Rajaram B. Khairnar, retired after 37 years of service on May 5, 2013. He worked as Junior Technical



in the Estate Office.

Shri Puna M. Mistry, retired after 37 years of service on May 5, 2013. He worked as Junior Technical Superint.,



Shri Kondiba L. Ughade, retired after 36 years of service on May 5, 2013. He worked as Mali (SG), in the Estate Office.



Shri Pandurang R. Sakpal, retired after 32 years of service on May 5, 2013. He worked as Sr. Helper, in the Estate Office.



the Administration Section

Shri Dasharath D. Lokhande, retired after 31 years of service on May 5, 2013. He worked as Senior Driver (SG), in the



Security Section.

Shri Rangnath H. Shirsat, retired after 32 years of service on May 5, 2013. He worked as Senior Watchman, in the



Central Library.

Shri Uttam B. Kewale, retired after 38 years of service on May 5, 2013. He worked as Library Attendant (SG), in the



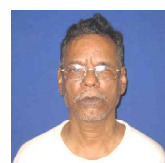
Health Office.

Shri Dariya C. Solanki, retired after 24 years of service on May 5, 2013. He worked as Cleaner (Gr.I), in the Public



Department Mechanical Engineering.

Shri Thomas P. Pylothu, retired after 29 years of service on May 5, 2013. He worked as Senior Attendant, in the



Department Civil Engineering.

Shri Shataram D. More, retired after 25 years of service on May 5, 2013. He worked as Helper (SG), in the

In the Wilderness



by Mr. C.P. Joglekar

Salt'n Pepper

by Dr. Arun Inamdar

'..The freshies look visibly disturbed and traumatised..they are extremely ragged by their pathetic living conditions in the hostels!'



CEP courses scheduled during June – July, 2013

No.	Course Title	Course Coordinator	Duration
1.	9th Professional Development and Technology Orientation	Prof. I.K. Rana , Dept. of Mathematics	June 08 - 10, 2013
2.	Transportation Demand Modeling Dept. of Civil Engg.	Prof. Gopal Patil & Prof. K.V.K. Rao,	June 17 - 21, 2013
3.	Leadership Development Centre	Prof. Ashish Pandey, SJMSoM	June 18 - 20, 2013
4.	High-Speed Network Design: Principles to Practice	Prof. Ashwin Gumaste, Dept. of Computer Sc. & Engg.	June 21 - 22, 2013
5.	Advances in Geotechnical & Geoenvironmental Engineering	Prof. Dasaka Murty, Dept. of Civil Engg.	June 24 - 28, 2013
6.	Workshop on Essential Abstractions in GCC	Prof. Uday Khedkar, Dept. of Computer Sc. & Engg.	June 29 to July 03, 2013
7.	Finite Element Method and Applications in Civil Engineering	Prof. T.I. Eldho & Prof. Y.M. Desai, Dept. of Civil Engg.	July 01 - 05, 2013
8.	Proteomics – Principles and Techniques	Prof. Sanjeeva Srivastava, Dept. of Biosciences & Bioengineering	July 02, 2013
9.	Urban Drainage Management: State-of-the-art	Prof. Kapil Gupta, Dept. of Civil Engg.	July 04 - 06, 2013
10.	10 th Batch of Executive Programme in Management	Prof. S. Bhargava, SJMSoM	July 06, 2013 to April 27, 2014
11.	Systems Engineering Principles	Prof. Ashok Joshi, Dept. of Aerospace Engg.	July 08 - 10, 2013
12.	Integrated Navigation of Flight Vehicles	Prof. H.B. Hablani, Dept. of Aerospace Engg.	July 08 - 12, 2013
13.	Water Resources Management Studies using Geospatial	Prof. RAAJ. Ramsankaran & Prof. T.I. Eldho, Dept. of Civil Engg.	July 08 - 12, 2013
14.	Monsoon HCI	Prof. Anirudha Joshi, IDC	July 10 - 24, 2013
15.	Product Semantics	Prof. U.A. Athavankar, IDC	July 15 - 20, 2013
16.	Taking Product form Decisions using Semantic Creatively	Prof. U.A. Athavankar, IDC	July 23 - 30, 2013
17.	IC Design and Fabrication	Prof. V.R. Rao, Dept. of Elect. Engg.	July 25, 2013

