

Convention of Strategic Management

The 10th International Annual Convention of Strategic Management Forum was held at IIT Bombay on 10-12 May 2007, leaving interesting memories for all the delegates. In many respect, this convention has been able set some benchmarks for future events to follow. This was possible by integrating several resource persons from all over the country and abroad.

It was a matter of great honour and privilege to have Mr. Habil Khorakiwala, President of FICCI and Chairman of Wockhardt Group as the Chief Guest for the inaugural session of this event. Prof. Juzer Vasi, Deputy Director, IIT Bombay welcomed the delegates on behalf of IIT Bombay.

This was probably one of the most widely attended conventions in terms of the number of delegates. This convention also saw the printed proceedings with an additional CD version, for the first time, right on the day of inauguration.

There was a compact programme for 3 days with a very meaningful day of Academy-Industry interaction on the 3rd day, when senior corporate leaders and executives such as Mr. A. K. Purwar, Mr. Deepak Satwalekar, Mr. R. Gopalakrishnan, Mr. Arvind Mahajan, Mr. Ajit Balakrishnan, Mr. Ashank Desai, Mr. Narendra Ambwani, Mr. Ninad

Karpe, Mr. Ajit Mahadevan, Mr. Rajdeep Saharwat and Mr. Rajiv Lochan addressed gathering and took part in a panel discussion to provide some direction for future research initiatives by management research scholars. Being held in a location like Mumbai, the Commercial hub of the country, it was appropriate to invite corporate leaders and professionals to articulate their views and facilitate forming a research agenda, based on what they feel the academia can do for them to address the current challenges, in terms of providing research findings.

At this event, many senior faculty and researchers from many business schools got an opportunity to present their works, exchange views and deliberate on issues.

HDFC Standard Life Insurance Corporation Limited sponsored this event. Cummins Generator Technologies sponsored 3 best paper awards of Rs.10000/- each, presented at the convention.

A very well composed and coordinated Cultural Programme was presented, mostly by the inhouse talent of IIT Bombay. Bharat Natyam Performance by Ms. Amrit Akolkar (Guru and Choreographer) and Ms. Saraswathi Krithivasan, Classical song by Mrs. Vaishali Dewaikar, Rabindra Sangeet by Mrs. Nilanjana Chaudhuri,

Dances by Ms Kamini Shevgaonkar, Manipuri Dholak Play by Master Akash Jhaveri, Old Hindi and Light Songs by Mr. Priyadarshan Sahasrabudhde and Ms. Kuhoo Gupta [participated at Sa Re Ga Ma programme] enthralled audience for about 3 hours on 11th May evening.

Awards & Distinctions

Prof. B. Bandyopadhyay, Electrical Engineering Deptt. along with Professors of Indian Institute of Science and Prof. Ian Postlethwaite of Leicester University received the UKIERI(UK India Education and Research Initiative) Major Award. This Award was given by Rt.Hon Gordon Brown, Chancellor of Exchequer, UK in an Awards Ceremony held at British Council, New Delhi on 18th Jan 2007.

Dr. Geetanjali Chimote, a research scholar in the School of Biosciences and Bioengineering, working under the guidance of Prof. Rinti Banerjee, has been awarded one amongst the five global fellowships of \$2,000 from the Global Alliance against Tuberculosis (WHO), for research on Tuberculosis Drug Development.

Prof.(Ms.) Karuna Jain has been elected as Vice President for Indian Subcontinent Region of Decision Sciences Institute(DSI). She also selected as a Member, Education Committee of the Production and Operations Management Society (POMS) for the year 2007 -2008.

Prof. Rajkumar S. Pant, Associate Professor, Aerospace Engineering Department, has been selected for the Lighter-Than-Air Technical Committee of American Institute of Aeronautics and Astronautics as an International Member.

IIT JEE 2007 Results Declared

The results of the prestigious competitive examination JEE 2007 which was held on April 8, 2007 had declared on May 30, 2007 by Prof. H. S. Pandalai, Organising Chairman, JEE 2007. The total number of candidates appeared for the exam were 2,43,029 of which 7,200 candidates were eligible to seek admission to 5537 seats in IITs at Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee, IT-BHU and ISMU Dhanbad.

All India Topper is Mr. Achin Bansal from Delhi Zone. Among the list of girl candidates Ms. Ankita Sharma from IIT Bombay zone topped with All India Rank of 55. In the common merit list Ms. Anasuya Mandal who ranked 449 & Ms. Varunie Shashni who ranked 983 were the highest ranked SC and ST candidates respectively.

An extended merit list has also been compiled & displayed. Students on this list may be counselled by the Indian Institute of Space-Science Technology (IIST), Indian Institutes of Science Education and Research (IISER). The Directorate General of Shipping (DG Shipping) also offers admission based on JEE 2007 results.

Counselling for admission will begin on 18th June & concludes on 22nd June 2007 for the declared All India Rank (AIR) holders. Courses allocated to the successful candidates will be declared on 29th June, 2007.

Faculty News

Department of Chemistry

Prof. Sambhu N. Datta gave an invited lecture entitled "Relativistic Dynamics of N-particle Systems in a Strong, Homogeneous Magnetic Field." at James Frank Institute, University of Chicago on March 27, 2007.

Civil Engineering Department

Prof. V. Jothiprakash, Assistant Professor presented a paper titled "Past, Present and Future of Rainfall Runoff Modeling" at the International Conference on Water Management and Technology Applications in Developing Countries (WATER MALAYSIA 2007) at Kuala Lumpur Convention Centre, Malaysia during 14-16 May 2007.

Prof. Deepankar Choudhury had attended the National Conference on Foundations and Retaining Structures (NCFRS-2007) at IIT Roorkee during May 23-24, 2007, where he was invited and Chaired a technical session. Also in that conference, his M.Tech student Ms. Deepa Modi has presented a paper entitled "Simplified analysis of seismic

slope stability by using pseudo-static approach" authored by Deepa Modi, Deepankar Choudhury and K. S. Subba Rao.

Department of Electrical Engineering

Prof. B. Bandyopadhyay visited Deptt. of Electrical and Electronic Engineering, University of Western Australia, Australia as a Gladden Visiting Senior Fellow during the period January - March 2007. He has visited Deptt. of Electrical and Computer Engineering, Royal Melbourne Institute of Technology University, Australia and delivered a talk on 'Discrete-Time Sliding Mode Control with Finite time Convergence' on 14th March 2007. B. Bandyopadhyay also visited University of Queensland by the invitation of IEEE Brisbane Section where he delivered a seminar on 'Multirate Output Feedback Control of Large Nuclear Reactor' on 22nd March, 2007. Prof. Bandyopadhyay has been invited to serve as Honorary Editor in the area of 'CONTROL' for IETE (Institute of Electronics and Telecommunication Engineers) Journal of Research since March 2007.

Obituary



IIT Bombay mourns the sudden and untimely demise of Prof. Madhav Narayan Kulkarni, Civil Engg. Deptt. (Geodesy & Remote Sensing) on May 5, 2007. He was Vice Chairman at GATE 2007. He carried out and supervised extensive geodetic survey operations from

the Himalayas to Kanyakumari, for diverse applications. He did his Masters and Ph.D. in Space Geodesy at the Ohio State University, USA, in a NASA-funded project, on study leave and received two international awards.

A condolence meeting was held to express the sorrow on May 8, 2007. It was presided over by Prof. J. Vasi, Deputy Director. A very large number of faculty, staff and students of the institute along with representatives from other organizations with whom he had strong interaction attended the meeting.

He is survived by his wife, daughter and son.

May his soul rest in peace.

Department of Earth Sciences

Prof. T. N. Singh was invited as a chief guest on the occasion of International Intellectual Property Day on 26th Nov 2007 at IP Bhawan, Antop Hill, Bombay where he delivered a lecture on the topic "IP prospective in India-Future growth".

SJM School of Management

Prof. Atanu Ghosh attended a conference on "Global Competition and Competitiveness of Indian Corporates" organised jointly by IIM Lucknow and IIM Kozhikode which was held at IIMK on 18-19 May 2007. He also chaired a Technical Session at the conference.

Prof. (Ms.) Karuna Jain attended the 18th Annual Conference of the Production and Operations Management Society (POMS 2007) at Dallas, USA from 4th - 7th May 2007 where she presented the paper "A multi-objective approach to simultaneous strategic and tactical planning". She also attended the 16th International Conference on Management of Technology (IAMOT 2007) on "Management of Technology for the Service Economy" at Miami Beach, Florida, USA from 13th - 17th, May 2007 in which she presented two papers, "Managing Intellectual Property: An Intellectual Capital Based Perspective" and "Drivers of Technology Innovation for Indian National Innovation System". During her visit to US she has visited Chapman Graduate School of Business, Florida International University, School of Management, University of Texas, Dallas, College of Business Administration, University of South Florida, College of Technology and Management, St. Petersburg College to explore the possibility of joint collaborative research and faculty/student exchange programme.

Successful Field Trials of aerostat based wireless communications system

Prof. Uday Desai of Electrical Engg. Deptt., IITB and Prof. Rajkumar S. Pant of Aerospace Engineering Department are spearheading a sponsored research project titled "Long Distance Wireless Communication for Rural Connectivity, using a tethered Aerostat", which has been sponsored by OneWorld South Asia, an NGO based in New Delhi, under their "Ek-Duniya Grassroots Innovation Fellowship on Technology (EGIFT) initiative that supports fellowship(s) to transform innovative technology ideas to reality - right from their concept stage to design, prototype development, and field-testing.

Under this project, an aerostat capable of lifting a payload of 20 kg at an altitude of 100 m has been designed, developed and fabricated by Mr. Amol Gawale, Project Engineer, LTA Systems Laboratory of Aerospace Engineering Department. On this aerostat, a wireless communication equipment based on IEEE 802.11 standard assembled by Vinit Gawande, final year Dual Degree Student, Electrical Engg. Deptt. was installed. A team consisting of these two, three summer interns, and two project staff members along with Prof. Pant conducted field trials of



this system between 23rd and 28th May 2007 in the premises of Dr. Babasaheb Ambedkar Technological University at Village Lonere, Distt. Raigad, Maharastra, which is located approx. 160 km from IITB, off the Mumbai-Goa NH-17. During these trials, wireless communications at various points upto a maximum distance of approx. 7 km was successfully established. This system is a re-locatable, and easily re-configurable, and can be used for providing low cost data and voice communication in remote areas, especially for disaster management.

**IIT Campus Student Tops
CBSE XII Exam**

Roshni Bano a Science student of Kendriya Vidyalaya, Powai is the topper in the class XII examination of the Central Board of Secondary Education (CBSE) from the Chennai zone, which includes Maharashtra with 98 %, scoring 490 marks out of maximum 500. Roshni Bano is the daughter of Prof. S. S. Major, Physics Department.

Bano wants to become Scientist and Researcher in bio-physics and applied to the IITs, Indian Statistical Institute, Chennai Mathematical Institute as well as Niser, Bhubaneswar.

The commerce topper is Sneha Phatak with 87%, daughter of Mr. Sunil Phatak working with Commissariat of New Customs.

Global Warming Symposium

A day long, global warming symposium and youth awareness program was organized jointly by the Research Scholars Forum and members of Sustainable Youth on the 25th of March 2007.

The objective of this symposium was basically to stimulate and mobilize the youth force of IIT Bombay towards the imminent threat of global warming and its disastrous effects on planet earth. The symposium was designed to be an admixture of fun, information, innovation and education. A wide array of events and competitions marked the day. The Associate Dean (R&D) inaugurated the symposium which was followed by a packed day of events like Guest lectures, Poster competitions, Idea-Research Innovation, Defense of Research Proposal competitions, Panel discussions. The focus of these competitions was not only to highlight the issue of global warming but also to find effective solutions to it through the use of renewable resources, developing alternative sources of energy and enhancing awareness towards environmental concerns. Prof. S.P. Sukhatme and Prof. Asolekar were the judges for Poster Competition. The occasion was graced by distinguished speakers and panelists from fields of engineering, sciences and social sciences. Guest lectures were delivered by Prof. Anand Rao, CTARA, Prof. V. Chandrasekharam (Head, CSRE) and Mr. Vijay Deshpande from MERC. The panel discussion bearing the theme: "Nearest Possible and Effective Innovations to solve Global Warming" had eminent panelists like Prof. Asolekar (Head, CESE), Prof. D. Parthasarthy from the Department of Humanities and Social Sciences, Prof. S. L. Dhingra from the Dept. of Civil Engineering, Mr. Vijaya Deshpande from MERC and Ms. Upasana Sharma, student from the School of Management, IIT (Bombay).

The most significant event of the day was the competition "Defense of Research Proposal" which was extremely innovative in the sense that it brought researchers from technical, sciences and social sciences field on one platform and gave them a chance to put forth their research ideas before a larger audience. The prizes and incentives were also extremely lucrative. The symposium was sponsored by organizations like IRCC, ONGC and SINE-TePP-TUC. The day ended with a pledge towards helping develop a more environment friendly earth.

Students News

Mr. Govindraj S. Umarji, M. Tech. Student at CESE attended the Symposium on Air Quality Measurement Methods and Technologies, organized by the Air & Waste Management Association at San Francisco, California from the 30th of April to the 03rd of May, 2007. He presented a research paper on "Indoor Air Quality Measurements in Commercial Kitchens" which co-authored with Prof. Rashmi S. Patil.

Publications

Amit Joshi, Tech. Asst., Deptt. of Metallurgical Engineering & Material Science has presented a paper entitled "Advanced Casting Technology: Electroslag Remelting Vol. 52, no. 5" which has been published by Metal Casting Technologies Australia in March 2007.

Prof. Anil Kottantharayil, Electrical Engg. Deptt. along with Professors viz. Vikram V. Iyengar, Farid M. Tranjan, Malgorzata Jurczak & Kristin De Meyer presented a paper titled 'Extraction of the Top and Sidewall Mobility in FinFETs and the Impact of Fin-Patterning Processes and Gate Dielectrics on Mobility' which was published in a Journal - IEEE Transactions on Electron Devices in May 2007.

Audit Section get a New Look

The renovated offices of the Internal Audit Section were inaugurated by Prof. Ashok Misra on May 24, 2007. The premises have a sleek modern look. The new arrangement has managed to include a comfortable room for use of the external audit party.

INSTITUTE LECTURE



Prof. B.L.S. Prakasa Rao, Jawaharlal Nehru Chair Professor, Dept. of Mathematics & Statistics, University of Hyderabad, Hyderabad delivered an institute lecture on "All About "Statistics" You Wanted to Know" on May 28, 2007.

He spoke on the reasons for studying statistics after an elementary introduction of it.

Further he discussed the future for the subject in the context of large scale data to be analyzed from different areas of biological, engineering sciences and other areas of science & technology.

Seminars

Department of Chemical Engineering

Dr. Suresh Bhat, Scientist, Complex Fluids & Polymer Engineering Group, Polymer Science & Engineering Division, National Chemical Laboratory, Pune delivered a seminar on "Structure, Dynamics & Rheology of Soft Materials using Novel Light Scattering Techniques" on May 24, 2007.

Department of Chemistry

Prof. S. Sankararaman, Deptt. of Chemistry, IIT Madras gave a talk on "Fun with Acetylene Chemistry: Shape Persistent Molecular Cavities, Tubs, Loops and Propellers" on April 26, 2007.

Dr. Sri Rama Koti Ainavarapu, Columbia University, New York delivered a seminar on "Single-molecule force spectroscopy: Acceleration of chemical reactions by stretching force" on May 10, 2007.

Dr. Pankaz K. Sharma, Deptt. of Chemistry, University of Southern California Los Angeles, 90089 spoke on "Enzymatic Reactions and Electrostatic Effects" on May 18, 2007.

Department of Electrical Engineering

Dr. Samadhan B. Patil, INESC Microsistemas e Nanotecnologias, Lisbon, Portugal delivered a nanoelectronics seminar on "Thin Film MEMS on flexible plastic substrates-their performance to bending and Magneto-resistive sensing of deflection in MEMS using spin-valves" on May, 24, 2007.

Department of Mathematics

Prof. B. L. S. Prakasa Rao, Jawaharlal Nehru Chair Professor Deptt. of Mathematics and Statistics, University of Hyderabad delivered the second Distinguished Lecture Series entitled "Lectures on Inference for Stochastic Processes" on the 21st, 23rd and 25th of May, 2007.

Prof. Phoolan Prasad, I.I.Sc., Bangalore conducted a colloquium entitled "An evolution operator (in integral form) for the solution of a Cauchy problem for the wave equation" on May 29, 2007.

Prof. S. Kesavan, I.M.Sc., Chennai conducted a colloquium entitled "The Method of Moving Planes" on May 30, 2007.

Centre for Environmental Science and Engineering

Soubir Basak, Final year graduate student at Deptt. of Energy, Environmental & Chemical Engineering at Washington University, Saint Louis gave a seminar talk on "Synthesis and Characterization of Magnetic Iron Oxide Nanosystem: Application in Nanomedicine" on May 18, 2007.

Gymkhana News

Dr. K. Sengupta of Physical Education section had been invited as a resource person by Sports Dance & Fitness Federation of India in their VII National competition held at LNIPE Gwalior where he acted as Chief Judge in the VII National Sports Dance & Fitness (Aerobics) competition. During this period he conducted Judges clinics and series of workshops for the coach's came from all over India and Srilanka from 25th to 30th March 07.

IIT Swimming Club News

The Greater Mumbai Amateur Aquatic Association Age Group meet was held from 27th to 29th April, at the Tata Pool, Chembur in which Siddharth Rao Deb won the Gold medal in the 50M Breast stroke, Boys Group IV event, the Bronze medal in the 50M Back Stroke Boys Group IV event and secured the 5th position in the 50M Free Style Boys Group IV event.

Siddhanth Reddy won the 6th position in the 100M Back stroke, Boys Group III event and Bronze medal in the 50M Individual Medley Boys Group III event.

Apurva Phale secured 6th position in the 50M Breast stroke, Girls group IV event.

Siddharth Rao Deb and Siddhanth Reddy were selected to represent Greater Mumbai at the 24th Maharashtra State Sub-Junior Aquatic Championship 2007, held from 19th to 21st May 2007, where Siddharth Rao Deb won two gold medals (4 X 50 meters Medley Relay & 4 X 50 meters Free style relay) and one bronze medal (50 meters Breast Stroke).



22nd Annual Summer Swimming Camp 2007

The 22nd Annual Summer Swimming Camp 2007 was held from 17th April to 22nd May '07 in two phases. A total of 83 participants took part in 2 beginners, 2 intermediate & 2 advanced camps. The highlights of the camp was the swimming demo by all groups.

Best swimmers among all the groups were Master Pawan Chandiramani, Master Prithvi Chandiramani, Master Sidharth Kaliappan, Master Ishank Juneja, Master Auush Kumar, Master Saikiran, Master Arvind Ravi & Miss Ushma Bhatt.

(Contd. on page 7)



A panoramic view of solar eclipses on the 19th March , 2007, from the terrace of the Anantha Building , Hill Side, IIT Bombay, Powai.
Photograph by Prof T. K. Biswal

From students: Tarun Agarwal, Yeshwant Arun, Gaurav Kumar.

From the intermediate: Master Praveen Prakash, Mr Mukund Verma, Master Jay Soman, Miss Sharanya chandran & Mr Vasant Zende.

Appointments

Shri M. K. Patil has been appointed as Deputy Registrar in the Academic Section w.e.f. May 4, 2007.

Dr. (Ms.) Indu Saxena has been appointed as Deputy Registrar in the Administration section w.e.f. May 7, 2007.

Dr. Arindam Chowdhury, Assistant Professor, Department of Chemistry has been appointed as an Assistant Professor in the same Department w.e.f. April 17, 2007.

Dr. Viren Menezes has been appointed as an Assistant Professor in the Department of Aerospace Engineering w.e.f. May 8, 2007.

The following faculty members have been appointed to the respective post as indicated against each of them w.e.f. April 10, 2007.

Name and Designation	Post to which Appointed
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Department of Chemical Engineering

Dr. Sachin C.	Professor
Dr. (Ms.) Chandra Venkatraman	Professor
Dr. Sharad Bhartiya	Professor

Department of Chemistry

Dr. Naresh G. Patwari	Associate Professor
Dr. Raghavan B. Sunoj	Associate Professor
Dr. Anindya Dutta	Associate Professor

Dr. Prasenjit Ghosh	Associate Professor
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Department of Civil Engineering

Dr. R. S. Jangid	Professor
Dr. Tom V. Mathew	Associate Professor
Dr. Deepankar	Associate Professor

Department of Computer Science & Engineering

Dr. Milind A. Sohoni	Professor
Dr. Om P. Damani	Associate Professor

Department of Electrical Engineering

Dr. Madhav P. Desai	Professor
Dr. Abhay Karandikar	Professor
Dr. S. A. Soman	Professor
Dr. B. G. Fernandes	Professor
Dr. D. Manjunath	Professor
Dr. (Ms.) Preeti Rao	Professor
Dr. S. N. Merchant	Professor

Department of Earth Sciences

Dr. G. Mahan	Professor
Dr. Trilok Nath Singh	Professor

Department of Humanities & Social Sciences

Dr. K. Narayanan	Professor
Dr. (Ms.) Rowena x Robinson	Professor
Dr. D. Parthasarathy	Professor
Dr. (Ms.) Sudha Shastri	Associate Professor
Dr. Malhar A. Kulkarni	Associate Professor

Department of Mathematics

Dr. G. K. Srinivasan	Associate Professor
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Department of Mechanical Engineering

Dr. B. Ravi	Professor
Dr. P. P. Date	Professor

Dr. Harish Hirani	Associate Professor
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Dr. Sushanta K. Mitra	Associate Professor
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Dr. S. V. Prabhu	Associate Professor
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Department of Metallurgical Engineering & Materials Science

Dr. Indradev Samajdar	Professor
Dr. N. Venkataramani	Professor
Dr. Arup R. Bhattacharyya	Associate Professor

Department of Physics

Dr. S. Uma Sankar	Professor
Dr. Tapanendu Kundu	Professor
Dr. P. P. Singh	Professor
Dr. (Ms.) R. Vijaya	Professor
Dr. P. Ramadevi	Associate Professor

Industrial Design Centre

Shri B. K. Chakravarthy	Professor
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Centre For Environmental Science & Engineering

Dr. Virendra Sethi	Professor
Dr. (Ms.) Sumathi Suresh	Professor
Dr. Sanjeev Chaudhari	Professor
Dr. Anil K. Dikshit	Professor

S. J. Mehta school of Management

Dr. (Ms.) Usha Ananthakumar	Associate Professor
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School of Biosciences & Bioengineering

Dr. P. V. Balaji	Professor
Dr. Dulal Panda	Professor
Dr. (Ms.) Swati Patankar	Associate Professor

Reliability Engineering Group

Dr. (Ms.) Ajit Srividya	Professor
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Retirements

(As on 30.6.2007)

1. Shri D. G. Bodhare
Accounts Section
2. Shri A. C. Pradhan
I.D.C.
3. Shri H. G. Umbre
Mech. Engg. Deptt.
4. Shri S. N. Kamble
C.R.N.T.S.
5. Shri P. P. Jose
Security Section
6. Shri R. M. Ramugade
Audit Section
7. Shri S. D. Gosavi
Campus School
8. Ms. S. S. Rupawate
Health Office

Events

Courses for June 2007

No.	Course Title	Department	Date
1.	Advanced Programming for C++	Prof. S. Biswas Computer Sc. & Engg.	June 02 July 01
2.	Classical Control Systems - Theory and Hands on	Prof. A. Joshi Aerospace Engg.	June 11 - 15
3.	Pollution Control Techniques for Distillery Waste	Prof. A.K. Dikshit CESE	June 05 - 09
4.	Model Based Requirements Engineering	Prof. K. Sudhakar Aerospace Engg.	June 07 - 09
5.	Urban Drainage Management: State-of-the-art	Prof. Kapil Gupta Civil Engg.	June 11 - 13
6.	Electromagnetic Fields and Antenna Design (BATU, Lonere)	Prof. R.K. Shevgaonkar Elect. Engg.	June 26 - 30
7.	Industrial Engineering	Prof. A.S. Babu CARE	June 19 - 23

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