# marg-darshan

## A Quarterly from IIITD&M Kancheepuram

### 2014 Batch Admissions - Orientation

Academic Year 2014 commenced with the orientation for various programmes of study offered at the institute. Orientation session for M.Des and Ph.D scholars of the institute was conducted on 28th July 2014, with a guest lecture by Dr Ravikishore, M/s HCL Infosystems Ltd.focusing on product design and development, in addition to briefing by various faculty coordinators on the academic, research and co curricular activities in the institute. The year saw the entry of 42 M.Des and 5 Ph.D scholars join the institute. The B.Tech and Dual Degree programmes orientation was conducted on 30th July 2014. It is pertinent to mention here that the institute is offering novel Dual Degree programmes in Computer Engineering (42 Intake), Signal Processing & Communication Systems Design (21), VLSI & Electronics System Design (21) – Electronics Engineering, Product Design (21) and Advanced Manufacturing (21) – both in Mechanical Engineering. Around 245 students were admitted to the institute through the Central Seat Allocation Board and DASA. The orientation programme commenced with an invited lecture by Dr. G Venkatesh, CEO Sasken Technologies & Adjunct Faculty, IIT Madras. The talk was well received by the entire audience as was evinced by the enthusiastic participation of first year students and their parents during the interaction with the expert.

### Independence Day Celebrations 2014

The 68th Independence day of the country was celebrated with fervor and enthusiasm. Director of the Institute hoisted the tri-colour at the Administration Block and briefed the gathering on the importance of utilizing the values of independence in the right direction. Speeches, patriotic songs, and dance performances were given by the music and dance club members of the institute, and served as an excellent atmosphere to kindle the patriotic thoughts. Given that the event was close to the start of the academic year, a cricket friendly between Employees (Staff and Faculty members) and students of the institute was organized on the day.

### Engineers Day Celebrations

Celebrated in memory of Sir Mokshagundam Visvesvarayya who had contributed to the field of hydel energy in India and for his contributions to the public good, a technical session was organized on 21st Sep.2014 at IIITD&M Kancheepuram. Shri. C Prakash, General Manager - Product Development, M/s Ashok Leyland was the chief guest for the programme. The chief guest in his keynote address stated the industry expectations from young engineers. Prof. R. Gnanamoorthy, Director of IIITD&M Kancheepuram presided over the function.

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## IIITD&M Sports Contingent – Updates

Tamil Nadu Physical Education & Sports University conducted its annual rolling trophy during 26th – 29th August 2014. The institute participated in Cricket and Football categories. Institute cricket team won over Sathyabama University but lost to AMET University and later Table Tennis Men's Team won 2 rounds in the league stage, but failed to qualify for the knockout stage in SSN Sports Trophy 2014.

Institute Sports Contingent participated in the Annual Sports Fest organized by IIT Madras in the categories of Cricket, Football, Basket Ball (Men and Women), Table Tennis and Weightlifting. Mr B Purushottaman (II M.Des Student) won GOLD medal in the 69 to 77 kg category and lifted 90 kg in snatch and 120 kg in Clean & Jerk (total of 210 kg).

## Teachers Day Celebrations

An important day as that of 5th September for an academic institute saw the celebration of the day in a joyful and in an enriching manner. Prof. Karmalkar, Dept. of Electrical Engineering (IIT Madras), a renowned teacher was invited to address the institute faculty members. The talk was an informative, enriching and practical one. Faculty members interacted with the expert on the cognitive aspect to the teaching learning process, and the take away slogan from the talk. It is not about teaching diverse subjects, but teaching subjects in a diverse manner! As part of the teacher's day celebrations, sports events were organized the respective week (1-3 Sep 2014) for staff and faculty members of the institute. Prizes for winners were distributed on the occasion of Teachers Day 2014 by the external guest Prof. Karmalkar, IIT Madras and Director, IIITD&M.

## User Orientation Programme on IEEE Xplore

Institute Library organized a User Orientation Programme on IEEE Xplore (Online Journals Database) on 6th August, 2014 in the Academic Block. Faculty members and several students actively participated in the training programme. Dr. M.D. Selvaraj (Faculty Incharge for Library) welcomed the guest speaker Mr. Rajkumar Mahapatra, Training Manager-GIST, IEEE Client Services.

The speaker explained the benefits of using the IEEE database to the students and research scholars, and demonstrated the strategies involved in utilizing the database and recent value added services of IEEE. The session was very interactive and useful to the students.

## Book Fair 2014

The institute library also organized a book fair during 21st-23rd August 2014 in the academic block. In this event, eight vendors/suppliers participated and displayed titles supported by them. The fair was facilitated by the institute to easy access to textbooks / references to students in generic and freshers admitted in the year 2014.

## Placement Activities

Placement training was conducted for the students registered for placement in the final year of students of B.Tech and M.Des students. The training was conducted by FACE academy in two phases. The students were exposed to soft skills, tutorial sessions, interview sessions, group discussion skills etc.

PAT (Placement Aptitude Test) was conducted on 17th Aug 2014 for B.Tech students registered for placements. Placements started with the visit of Tech Mahindra. Mr. Raghuram Devella (Global Resource Head) visited the campus for a pre placement talk and a short description. Recruitment drive was organized on 19th Sept 2014 and 12 students were offered positions with Tech Mahindra. TCS's Business Cluster Head – Japan, Mr. Manikam (EIS Industrial Machinery & Transportation Vertical), visited the institute represented and conducted a session on TCS EIS - a Career Option, as part of their recruitment drive. Twenty eight were absorbed by TCS for their various wings including product design and development.

## Hindi Cell Activities



Institute celebrated the Hindi Diwas during 14th to 29th Sep. 2014. Competitions on Essay writing, Synonymd, Sulekh (Hand writing), and debate were organized for students, faculty and staff. Winners were facilitated by the chief guest, Prof. Dr. Sirivuri Venkata Satya Sanyasi Narayana Raju (Additional Registrar, Dakshina Bharat Hindi Prachar Sabha, Chennai) during the special award ceremony held on 30 Sept. 2014.

## Invited Lecture



Prof Chandra Roychoudhary, Research Professor, University of Connecticut, USA, visited the institute on 25th Sep 2014 and delivered a talk on Significance of Optics and Photonics. The lecture was well received by students, scholars and faculty working in the area of fiber optics.

## SSG Activities - Blood Donation Camp on 18 Sep 2014



A blood donation camp was organized in our institute in collaboration with Lion's Blood Bank on 18th September 2014 and faculty, staff members and students have enthusiastically participated. 84 units of blood were collected and all donors were given certificates of appreciation.

## Tree Plantation Drive



A voluntary campus cleaning event open to all students of the institute was held on 27th September 2014. There was enthusiastic participation from the student community and around 100 students participated. This event has helped attendees to develop a sense of responsibility towards the cleanliness of the institute.

## Zoo Cleaning



Members of the SSG cell visited the Vandalur Zoo as part of a cleaning drive. Dr Manimozhi, the Zoo biologist, explained the nature of work undertaken by the Zoo to the student volunteers of the Institute. The volunteers did a commendable work supporting the group's effort in gathering plastic waste from around the places they went about in the zoo.

The drive developed a sense of concern and care for nature amongst the volunteers and also developed a sense of dignity in the volunteers in keeping their surroundings clean. It also made them aware of how small actions can have a great impact on the nature and humanity.

## Publications

- Rajin M. Linus and P. Damodharan, Performance Analysis of Field Oriented Controlled Grid Side Inverter for Grid Synchronization of Wind Energy Conversion System Under Different Loaded Conditions, Proc. *IEEE Region 10 Humanitarian Technology Conference (R10 HTC 2014)*, 6-9 August 2014, Chennai, India.

- S. Veeramani and Sk Noor Mahammad, Efficient IP Lokup using Hybrid Trie-Based Partitioning of TCAM-Based Open Flow Switches, Journal of Photonic Network Communications, 2014, 28(2), 135-145.

- M. Mohamed Asan Basiri, and Sk Noor Mahammad, Memory Based Multiplier Design in Custom and FPGA Implementation, Advances in Intelligent Systems and Computing, 2015, 320, 253-265.

- K H Koh, M Sreekumar, S G Ponnambalam, Feasibility Study for Applying Electrostatic Adhesion on Wall Climbing Robots, Proc. International Conf. on Advances in Mechanical, Aeronautical and Production Techniques (MAPT 2014), 2-3 August 2014, Kuala Lumpur, Malaysia, 31-36.

- P. Pandithevan, Stochastic Modeling of Porous Bone Tissue Engineering Scaffold, Proc. International Colloquium on Materials, Manufacturing and Metrology , 8-9 August 2014, IIT Madras, India.

- Dr M Sreekumar delivered an invited lecture on Introduction to Robotics and Parallel Mechanisms for Manufacturing/Welding Applications during the "DRDO sponsored National Level Technical Seminar on Recent Trends in Automation of Robotic Welding Technology in Armed Vehicles" organized by Sri Ram Engineering College, Tiruvallur, Chennai on 8 Aug. 2014.

- Dr M Sreekumar was awarded Visiting Professor position for EMARO (European Master on Advanced Robotics) programme by the University of Genova, Italy, and he visited the university for one month during June-July 2014.

## IIITD&M Family - New Joinees

**Dr K Jayabal** joined the institute as Assistant Professor on 2nd July 2014 and comes with a diverse and rich experience of three years post doc at Technical University Dortmund, Germany. A Ph.D in Material Modeling of Smart Materials from IIT Madras has served in various capacities in industry and academia.

**Dr K Premkumar,** a post doc from Hamilton Institute, National University of Ireland joined as Assistant Professor on 4th July 2014. A Ph.D from Indian Institute of Science Bangalore (IISc) in Wireless Sensor Networks. Dr Premkumar adds variety of the academic and research specialization in electronics engineering.

**Dr R Gangadharan,** a Ph.D in Structural Health monitoring of composite structures using Lamb waves from IISc Bangalore joined in the institute as Assistant Professor on 8th September 2014. He brings with a diverse academia and research experience and post doctoral work spanning for 4 years at the University of Bristol, UK.

## New Cafeteria Inaugurated

A new Cafeteria in the campus was inaugurated by the Director on 23rd July 2014. This indoor cafeteria is a valuable addition to existing campus facilities and would meet the demands of growing campus population.

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