

A Quarterly from IIITD&M
Kancheepuram

Indigenous Products of IIITD&M



The students of IIITD&M have set standards in innovation and product design since the inception of the institute in 2007. Most recently, as part of the Product Design & Prototyping course in the Master of Design curriculum, several innovative products have been conceptualized, designed and developed by the students of the institute. Two of these designs, one of a bag and one of a new type of podium (Bottom Left) are shown. The bag, designed by a group of three students is reconfigurable, and can be used either as a shoulder bag, hand bag, or back-pack.



Another team of three students has come up with an effective design for a podium. The design facilitates adjustment of height of the podium (telescopic type adjustment) in line with the height of the user. Both the products were widely appreciated for their innovative thought and design.

Industrial Lectures Organized by the Institute

Various eminent academicians and industrial experts from across the country as well as the globe have been playing a phenomenal role in fostering the growth of the students of the institute. The institute which has been regularly conducting several seminars and lectures by such invitees, had Professor Monica from Politecnico Di Milano, Italy. Professor Monica, an expert in Design and Human-Computer Interface delivered a lecture on Human-Computer Interaction and shared her knowledge as well as experience by interacting with the students and faculty on April 2, 2014. The speaker, specializing in interdisciplinary areas of HCI and Mechanical Engineering, addressed the aspects of interaction design using virtual reality. The lecture was highly interactive and was well received by the audience.



Prof. Monica, Italy



Guest lecture session



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Research Publications

- ◆ B. Vineela Devi, and S. Jayavel, Numerical Simulation of Heat Transfer in Channels with Different Ribs, Proc. 10th IRF International Conference, Chennai, India, 8 June, 2014, 48-51.
- ◆ R. Karthik, R. Harish Nagarajan, K. S. Praveen, and B. Raja, Experimental Investigation on Thermal Conductivity Enhancement of Copper (II) Oxide–DI Water Nanofluids, Journal of Engineering Thermophysics, 2014, 23(3).
- ◆ Keng Huat Koh, M. Sreekumar, S. G. Ponnambalam, Experimental Investigation on the Effect of Driving Voltage of an Electro-adhesion Actuator, Materials, 2014 (7), 4963-4981.
- ◆ K.H. Koh, M. Sreekumar, S.G. Ponnambalam, Electrostatic Devices for Material Handling, Proc. International Conference on Advances In Engineering And Technology - ICAET 2014, Roorkee, India, 24-25 May 2014, 224-228.
- ◆ Naveen Kumar, K. Ramachandran, Dynamic Spectral Maneuvering by Fiber Sagnac Loop Filter, Journal of Optics and Laser technology, 2014, 63, 144–147.
- ◆ Priyanka Kokil-listed in Who's Who in the World[®] 2015 (32nd Edition) and Who's Who in the World[®] 2014 (31st Edition).
- ◆ Priyanka Kokil, An LMI Based Criterion for Global Asymptotic Stability of Discrete-Time State-Delayed Systems with Saturation Nonlinearities, International Scholarly Research Notices, 2014, doi:10.1155/2014/761959.
- ◆ M. Santhoshkumar, M. D. Selvaraj, Performance Analysis of Scaled Switching Technique for Cooperative Diversity Systems, Proc. IEEE International Conference Information and Communication Technology (ICOICT)-2014, Indonesia, 28-30 May 2014.
- ◆ C. Gurunathan, R. Gnanamoorthy, S. Jayavel, Wear Resistance of Polymeric Material with Selective Reinforcement - Effect of Material Combination, Proc. ICEMA 2014, IIT Roorkee, India, 5-6 April 2014.
- ◆ C. Gurunathan, R. Gnanamoorthy, R. Neeruthirajan, Erosive Wear Rate Prediction Using Stochastic Finite Element Analysis, Proc. ICEMA 2014, IIT Roorkee, India, 5-6 April 2014.
- ◆ C. Gurunathan, R. Gnanamoorthy and S Jayavel, Prediction of Frictional Heating and Temperature Distribution in Selective Ceramic-Reinforced Polymer Composite, Proc. IMechE Part J: Journal of Engineering Tribology, 2014, doi:10.1177/1350650114541251.
- ◆ Sai Kumar K, Vimal K. M, Santhosh S, Shahul Hamid Khan B, Simulated Annealing for a Multi-Objective Green Supply Chain Network of a Manufacturing Industry, Proc. International Conference on Science and Innovative Engineering 2014, Chennai, India, 5-6 April 2014, 366-371.
- ◆ Vimal K M, Santhosh S, Shahul Hamid Khan B, A Gradual-Priority Weighting Genetic Algorithm for a Multi-Stage Multi-Objective Green Supply Chain Network of a Manufacturing Industry, Proc. International Conference on Management Perspectives 2014, Jaipur, India, 24-25 April 2014, 318-331.
- ◆ S. Santhosh, V. Joshi Ram, B. Shahul Hamid Khan, Evaluation and Selection of Green Supplier in Tamil Nadu Textile Industry using Fuzzy TOPSIS, Proc. International Conference on Advances in Engineering, Technology & Science (ICAETS' 2014), Munnar, India, 26-27 April 2014, 36-43.

Projects Awarded

Dr B Raja has been awarded with a research project titled, "Design and development of energy efficient freeze dryer with multiport mini-channel shelf heat exchanger" for Rs. 26 Lacs by SERB, DST, Govt. of India (Project No.SB/S3/MMER/0005/2014).

Industrial Visits

Industrial Visits constitute one of the key aspects of the institute's emphasis on holistic academic development. In line with this objective, the students of the institute visit industries and companies in and around Chennai to gain industrial exposure.

The Computer Engineering students of 2nd year and 3rd year B.tech accompanied by Dr. N. Sadagopan visited M/s. Polaris Centre in Chennai on April 4, 2014. The design experts from Polaris briefed students on the various design activities happening at Polaris and the design history in the area of software design and development. This visit gave the students a closer look on how industries run and the atmospheric feel of working and being in a company.



Tree Plantation Drive

The Institute not just believes in academic growth of the students but also in shaping them into responsible citizens of the future. Keeping this vision in mind, the institute Social Service Group (SSG) takes up various social and environmental initiatives. One of them was the tree plantation drive organized in the campus on April 17, 2014. Around 80 saplings were planted in and around the campus under this event which witnessed wide and enthusiastic participation from students, staff and faculty. Such plantation drives at the early stages of the institute would augur well for its future in terms of the ambience created.





Felicitation Function at IIITD&M

Medal winners of inter IIIT meet held in IIIT Gwalior and volunteers of 64th Republic day celebrations were felicitated on 25th April 2014 in a function organized by the Sports and Cultural activities cell of the Institute. It is worth mentioning that the Institute achieved a praiseworthy overall third position at the inter IIIT sports meet.



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