

Tidings A biannual newsletter published by the School of Engineering, Indian Institute of Technology Mandi September 2017

Chief Patron

Prof. T.A. Gonsalves (Director, IIT Mandi)

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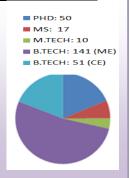
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Student Strength



Faculty Strength

Regular faculty: 30 Visiting professors: 1 Adjunct professors: 2 Mentor professors: 2

Chairperson's message...

Greetings!! It gives me immense pleasure to present the 4th issue of "TIDINGS". This newsletter is one of the ways in which we disseminate information relating to the School of Engineering of IIT Mandi. The last semester was full of various academic, extracurricular and R&D activities by the students and faculty members. As you read this newsletter, you will realize that the School had a particularly successful semester. Some of the achievements I would like to share. Mr. Nitesh Kumar 2nd year B. Tech (ME) student has won the Gold Medal (MS SL3) for India, at FZ Forza Irish Para-Badminton International 2017. School of Engineering did set-up many advanced research laboratories. Significant amount of external research funding was received. I would like to thank all my colleagues for their tireless efforts to help the school grow at a very steady pace. Rajeev Kumar, Chair, School of Engineering

New Faculty Members

Dr. Sumit Sinha Ray holds a Ph.D. from University of Illinois at Chicago. His research interests include Filtration and heavy metal removal, Thermal management of microelectronics, Nonwoven methodologies and their applications, Optical and thermal characterization, Drug delivery and Energy storage.

Dr. Kasiviswanathan K S holds a Ph.D. from IIT Madras. His research interests include Reservoir operation; Flood forecasting, Hydrologic Modeling, Multi objective optimization, Uncertainty and risk analysis and Geo spatial statistical data analysis.

Dr. Subhamoy Sen holds a Ph.D. from IIT Kharagpur. His research interests include Stochastic System Identification, Digital Signal Processing (DSP), Inverse problems, Kalman filtering, Bayesian updating, Structural Health Monitoring. **Dr. Mousumi Mukherjee** holds a Ph.D. in Civil

Engineering (Geotechnical) from IIT Kanpur. Her research interests include Geomechanics, Constitutive modeling of frictional material, material, Soil instability, Numerical Modeling and Non-destructive testing of soil.







Faculty Achievements & Outreach

Dr. Dhiraj V Patil received IIT-DAAD Fellowship for exchange visit Karlsruhe Institute of Technology (KIT) Germany, 2017.

Dr. Himanshu Pathak received Albert Nelson Marquis Lifetime Achievement Award 2017.

Dr. Rajaneesh Sharma conducted a 1 day workshop on Concept Design on Ropeway System in association with DST and a local NGO.

S. K. Saha, S. Bong and R. P. Dhakal, "Contribution of Structural Wall and Frame Damage in Seismic Loss of RC Buildings", 12th International Conference on Structural Safety & Reliability (ICOSSAR 2017), Vienna, Austria, 6-10 August, 2017.

S. Khakurel, R. P. Dhakal, **S. K. Saha** and T. Z. Yeow, "Identification of Building Typology and Contributing Components to the Expected Seismic Loss" New Zealand Society for Earthquake Engineering (NZSEE) Annual Technical Conference, Wellington, New Zealand, April 27-29, 20.



Short Term course on Modeling and Simulation using Finite Element Method for Engineering Applications from 19th June to 23rd June, 2017

One week short Term Course on Modeling Simulation using Finite Element Method for Engineering Applications (MSFEMEA) was organised from June 19-23, 2017 at IIT Mandi. The short term course was inaugurated by Prof. Timothy. A. Gonsolves, Director, IIT Mandi. In inaugural speech, he highlighted the importance of modeling & simulation in engineering. Several experts delivered lecture on FEM connecting fundamentals to engineering applications.

Speakers: Dr. I. V. Singh, IIT Roorkee and several faculties from IIT Mandi. Faculties from School of Engineering are namely, Dr. Rajeev Kumar, Dr. Vishal Singh Chauhan, Dr. P. Anil Kishan, Dr. Rajesh Ghosh, Dr. Kaustav Sarkar, Dr. Himanshu Pathak, Dr. Sunny Zafar, Dr. Gaurav Bhutani and Dr. Subhamoy Sen. Student Achievements

IIT Mandi B.Tech (EE) Student **Mr. Nitesh Kumar** has won the Gold Medal (MS SL3) for India at FZ



Forza Irish Para-Badminton International 2017 on 25th June, 2017. The tournament was held in National stadium at Dublin, Ireland from 22 to 25th June 2017. It was the 3rd episode of the tournament. Mr. Nitesh Kumar participated as a contingent member of Indian Para-Badminton Association. It is a very proud moment for our Country as well as for the whole IIT Mandi family.

Ms. Manju Bisht presented her research work at 26th International Conference on Discrete Simulation of Fluid Dynamics (DSFD-2017) at Erlangen, Germany

Design Practicum Open House held on 21st May, 2017

On 21st May 2017, IIT Mandi witnessed an exemplary demonstration of low cost technology prototypes for solving problems of society. These prototypes were developed by students as part of their Design Practicum course IC201P.

Visitors

Prof. Anand Kulkarni (Michigan Technological University, USA), Prof S.P. Mahulikar (IIT Bombay) and Prof. Raja Banerjee (IIT Hyderabad) visited IIT Mandi and offered 1 credit courses.

Prof. S.L. Dhingra (IIT Bombay) delivered a lecture on "Planning for Smart and Beautiful Cities with Sustainable Infrastructure.

Mr. R. Sankara Kumar (AMD, ARM Contracting, Bahrain) delivered an expert talk on Civil Engineering Contracts to students.

Publications Till Date: 659 Feb-July (2017): 30

Science is about knowing; engineering is about doing (Henry Petroski)



