

5-Day Workshop on “Recent Developments in Earthquake Resistant Design” held during 2nd July - 6th July, 2018.

A 5-Day workshop on “Recent Developments in Earthquake Resistant Design” was successfully organised by the School of Engineering, Indian Institute of Technology Mandi (IIT Mandi), during 2nd July – 6th July, 2018 at Kamand Campus. This workshop was partially funded by the Himachal Pradesh State Disaster Mitigation Authority (HP-SDMA) and IIT Mandi.

The workshop was attended by over 20 participants including practicing engineers from the state government organisations, faculty member from technical institute and postgraduate and undergraduate students from various colleges across India and from IIT Mandi.

This 5-day workshop was intended to edify the theoretical and practical aspects of the recent technological advancements made in earthquake resistant design of structures. The speakers introduced the concepts of structural dynamics and earthquake engineering to the participants coming from diversified backgrounds. Advanced topics like performance-based seismic design, site specific seismic hazard analysis, seismic vibration control and structural health monitoring were also covered.

A special attention was given on the recently revised provisions of the earthquake resistant design codes of India, namely IS 1893 (2016) and IS 13920 (2016). Various provisions were elaborated with multiple hands-on exercises. Further, computer laboratory sessions were organised to introduce useful computational tool for seismic analysis and design.

Prof. Tushar Kanti Datta (FNAE), formerly emeritus professor IIT Delhi, Dr. S. T. G. Raghukanth from IIT Madras and Dr. Koushik Roy from IIT Patna delivered expert lectures on various topics. Dr. Venkata Uday Kala, Dr. Kaustav Sarkar, Dr, Maheshreddy Gade and Dr. Sandip Saha were the resource persons from IIT Mandi. The workshop was coordinated by Dr. Sandip Saha and Dr. Maheshreddy Gade.

Few photographs, taken during the workshop, are presented below.



Prof. T. A. Gonsalves, Director IIT Mandi, addressing the participants during the inauguration ceremony.



Group of participants with subject experts.



Participants being given exposure to computational tool in seismic analysis and design.



Participants busy with hands-on exercise.



Participants engaged in lecture session.