

Short Term course on Modeling and Simulation using Finite Element Method for Engineering Applications

One week short Term Course on Modeling Simulation using Finite Element Method for Engineering Applications (MSFEMEA) was organised during June 19-23, 2017 at IIT Mandi.



Inauguration function: Prof Timothy A Gonsalves is lighting the lamp

The short term course was inaugurated by Prof. Timothy. A. Gonsolves, Director, IIT Mandi. In his Inaugural speech, he highlighted the importance of modeling & simulation in engineering. He also cautioned the participants against blind over-reliance on software's that could lead to accidents.

Dr. Rajeev Kumar highlighted on the different types of modeling techniques in engineering i.e. physical modeling, first principle modeling, neural network modeling and in particular on FEM based modeling & simulation. He also briefed on IIT Mandi particularly on School of Engineering (SE) to the participants.

In the beginning, Dr. Himanshu Pathak welcomed the participants and briefed one week short term course. In the end, Dr. Vishal Singh Chauhan delivered vote of thanks.



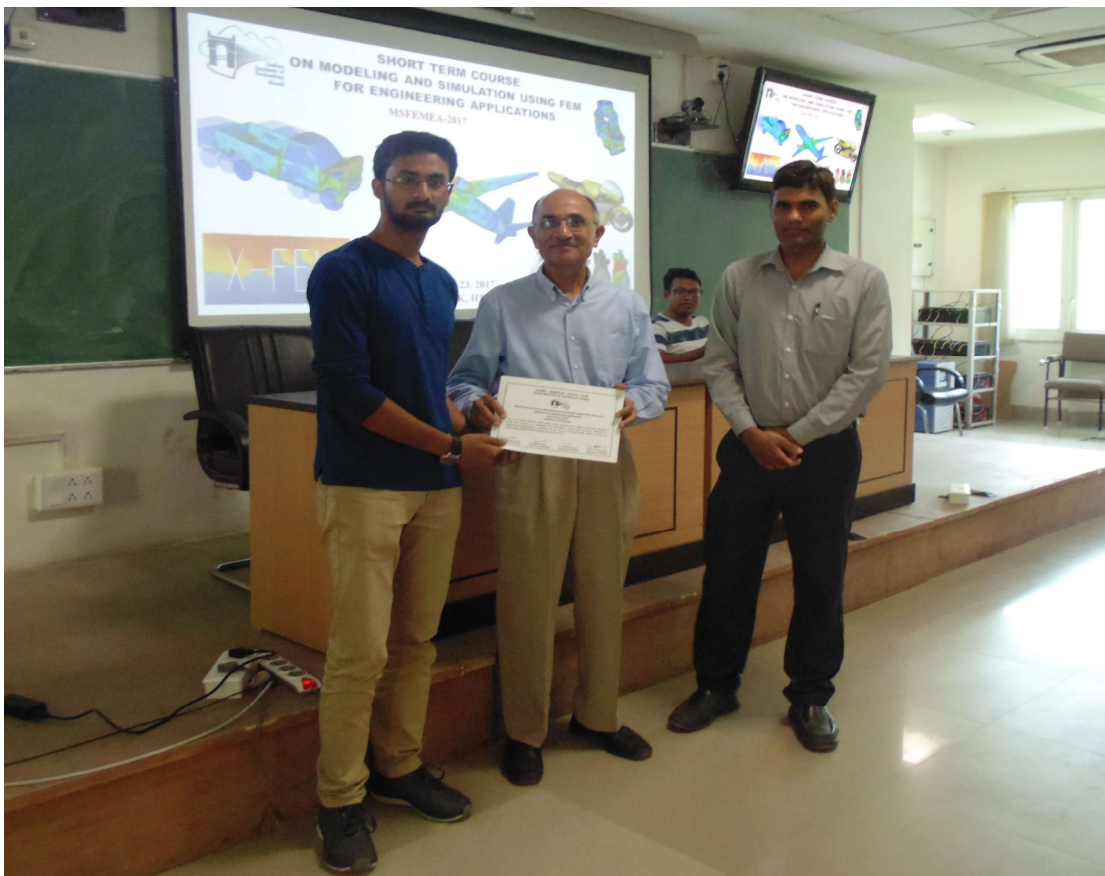
Group photo with participants

The objective of the one week short term course was to introduce the fundamentals of finite element method to the participants to solve problems in different engineering, disciplines i.e. solid mechanics, structural dynamics, fluid mechanics, heat transfer and electromagnetic, and to familiarize the participants to programming utilized in implementing the finite element method

35- Participants, who came from both academic and industry, attended the short term course. Student participants from Institutes like Beant College of Engg. & Technology Gurdaspur, NIT Delhi, Aligarh Muslim University, G.B. Pant Govt. Engg. College New Delhi, Govt. Engineering College, Bikaner, Vidyavardhaka College of Engineering, Mysore appreciated the course.

The short term course was concluded with certificate distribution by the Prof. Bhavender Paul. While addressing the participants, he said, “Short-term courses are means to expose the audience to the wide range of applications in the area and about different methodologies to tackle real life problems.

Dr. Himanshu Pathak, Dr. Rajeev Kumar and Dr. Vishal Singh Chauhan were the coordinators of the short term course



Concluding Session and valedictory function: (from Right to left) Dr. Rajeev Kumar, Prof Bhavender Paul and Participant

The speakers included Dr. I.V. Singh (IIT Roorkee), Dr. Rajeev Kumar (IIT Mandi), Dr. Vishal S. Chauhan (IIT Mandi), Dr. P. Anil Kishan (IIT Mandi), Dr. Rajesh Ghosh (IIT Mandi), Dr. Kaustav Sarkar (IIT Mandi), Dr. P. Himanshu Pathak (IIT Mandi), Dr. Gaurav Bhutani (IIT Mandi) and Dr. Subhamoy Sen (IIT Mandi).