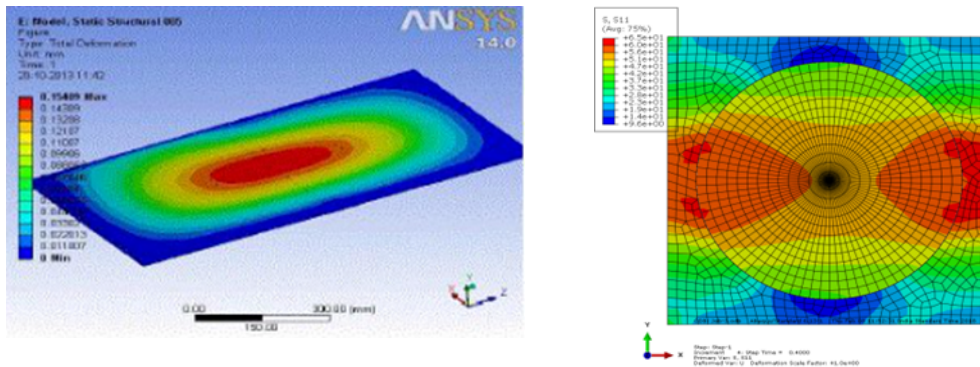


TEQIP sponsored short course on Introduction to Finite Element Analysis organized at IIT Indore



Under the aegis of Technical Education Quality Improvement Program (TEQIP) – III, a MHRD initiative, a short course on Introduction Finite Element Analysis (FEA) was organized at IIT Indore from March 22 – 27, 2018. FEA is very powerful technique to understand many of the engineering phenomena especially structural mechanics and heat transfer applications. Therefore, it is widely employed technique used tool in many of the engineering industries (e.g. automotive, aerospace, construction and defense) by engineers from almost all engineering disciplines Civil, Mechanical, Electrical and Materials.

During the 6 days short course conducted at IIT Indore, emphasis was given to the fundamental aspects of FEA in the first 4 days and next couple of days all the participants were trained on the commercially used finite element softwares ANSYS and ABAQUS. The lectures were delivered by the faculties from IIT Indore, IIT Madras, IIT Guwahati while the participants include the newly joined Assistant Professors and Research Scholars from TEQIP identified colleges in Indore and other parts of Madhya Pradesh. A total of 13 candidates have actively participated in this short course and the feed-back was collected at the end of the course. Their feedback suggests for the need of organizing several such courses in the coming future.

The course contents and some of the pictures of the events are attached here.

Day	Schedule	Instructor
Day 1	<i>Introduction to Finite Element Methods</i>	Prof. Subbareddy, IIT Indore

Day 2	<i>Finite Element formulation of 1D structural problem</i>	Prof. Ratna Kumar, IITMadras
Day 3	<i>Finite Element formulation of 2D structural problems</i>	Prof. A.N. Reddy, IIT Guwahati
Day 4	<i>Numerical Integration</i>	Prof. A.N. Reddy, IIT Guwahati
Day 5	Solving 2D structural problems using ANSYS / ABAQUS	Prof. Kashyap Pate, IITRam
Day 6	<i>Meshing and problem solving using ANSYS / ABAQUS)</i>	Prof. Subbareddy, IIT Indore



TEQIP III sponsored short course on
Introduction to Finite Element Analysis
IIT Indore, March 22-27, 2018

