

Three day workshop on Civil Engineering Software SAP/ETABS

Objective:

Department of Civil Engineering at IITRAM as part of its objectives to keep its student abreast with latest in the field organized a three day training program on Civil Engineering software like SAP/ETABS. The program was designed for students exposed to a course on Matrix Analysis of Structures (CE-3001) and was hence allowed for third year, fourth year students of the Undergraduate program and first year students of post-graduate program in Urban Infrastructure.

SAP/ETABS are class of software widely used in structural design of civil engineering infrastructure and was hence chosen as a tool that the students of IITRAM shall be exposed too. Mr. Pavan Patchigolla an expert in the field of computer aided structural engineering having wide experience in design of residential, industrial projects was invited to offer requisite training.

Program Dates: 17.11.2016-19.11.2016

Expert Speaker: Mr. Pavan Patchigolla, M.Tech (Computer Aided Structural Engineering, IIIT Hyderabad)

Outcome from the workshop

The three day workshop helped students appreciate the role of computer programs for analysing complex civil engineering structures. Students were emphasized the need to understand the fundamental assumptions and limitations in analysis and account for it while relying on the results of software. Expert speaker took multiple examples to prove the point on how the inadequate understanding on the working of software can prove to be disastrous. Finally students were taught to analyse multistorey steel and concrete structure and interpret its results. Students were also advised to compare results of their computer program with that of software for the structure under consideration.