

In House Summer Training on ABAQUS (3D Modeling of Structures)

The department of Civil Engineering conducted a Four- day In House Summer Training on ABAQUS (3D Modeling of Structures) dated on 25th& 26th May 2019. The training programme was inaugurated by the Resource person Ms. B. Rajeswari (Ph.D.) who is Research Associate, Structures Division in the department of Civil Engineering, NIT Warangal and Dr. N. Ruben HoD of Department of Civil Engineering.

The workshop was headed by Resource person Ms. B Rajeswari and total of 50 students of 3rd and 4th B.Tech, M.Tech Civil Engineering had participated in summer training program. The main objective of the workshop is to give hands on training on application of Finite Element Analysis on Structure Members with the use of ABAQUS software.

In the Morning Session, students were taught with basics of Finite Element Method, graphical user interface of ABAQUS Software and The data inputs, procedure for creating model, analysis and post processing of results of ABAQUS Software.

During post break session students got hands on experience in finite element analysis on cantilever beam acting a point load at the end of the member. In this session students were taught module menu to create model i.e. (creating parts, assigning property, assembling the parts, interaction between parts, load, boundary conditions, mesh, job and visualization. After that they were taught manual analysis post processing of results. In the afternoon session the analysis of cantilever beam subject to point load at the middle of member was taught.

Students were very happy to have this summer training and they were also taught the difference in analysis between ABAQUS and STAAD, ETABS Softwares.