

# **Department of Civil Engineering**

## **Centurion University of Technology and Management, Palakhemundi**

### **Workshop on STAADPRO**

The Department of Civil Engineering, CUTM Paralakhemundi campus organised a two days' workshop on "STAADPRO" from 11<sup>th</sup> to 12<sup>th</sup> August 2017. The programme was welcomed by Mrs. Suchitra Panda, Coordinator of the workshop to the guest and participants. Prof. Prafulla Kumar Panda (H.O.D) gave introduction to Staadd Pro software and analysis of Multistored building. Dr. M.L.Narasimham, Dean Academics, gave a brief description about the importance of the software for a civil engineer. He also inspired the participants to learn and to use the knowledge of the software in their various project works. Dr. P.Markandeya Raju, Professor, MVGR college, Vizianagram the guest and the resource person, shared his experience in projects while working in STAAD PRO software. Students from different batches participated in this workshop.

The objective of the workshop was

- To enable the students learn the various commands in the software
- To enable the students to assign various types of loadings
- To enable the students to do RCC design
- To enable the students to do a steel design
- To enable the students to learn the postprocessing as per different types of loadings
- To enable the students to do the design in concrete designer

Day 1: Students were introduced to the software. They learned to configure and to edit in STAAD editor. They were given a plan and were asked to place the geometry as per the STAAD editor, as per grids and as per nodes. They were asked to assign property (in steel), support and loads. Students were asked to analyse and then to do the design as per IS 800 2007 LSD and to analyse it again. The output file gave the data about the pass or fail of the member.

Day 2: A (G+2) plan was given to students and they were asked to prepare the model according to given dimensions. They were asked to assign property (in concrete), support and loads. After assigning students did the analysis and design as per IS 456 2000. They did run analysis again to get the output and to see whether the provided sections were failed or passed. Students were introduced to Concrete Designer where they have to identify the typical beams and columns and have to design it accordingly.

The Valedictory function was held on 12<sup>th</sup> August 2017 by Mrs. Suchitra Panda, Coordinator of the workshop. All the participants received their certificates from Dr. P.Markandeya Raju. Memento was given to the resource person by Mrs. Suchitra Panda. It was ended by vote of thanks from the coordinator of the workshop.

