Department of Civil Engineering, SOET
Baba Ghulam Shah Badshah University, Rajouri (J & K)

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Report on Industrial-Academia Interaction

Civil Engineering department has organized a five day Industrial Academia interaction from **9th to 13th** of october 2015 on **Analysis and Design of RCC framed structure using Staad Pro software** whose objective was to bridge the gap between Industry and Institute. The coordinator of this event was Mr. Pervez Alam, Assistant professor, department of civil engineering.The session started with the inaugural speech of Mr.Pervez Alam Asst Prof, CE.,BGSBU. This interaction had great bearing on the Engineering Curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating engineers in industries across the country. Mr. Syed Faheem Azmi, Sr. Structural Engineer, CTCI Group, provided necessary training to 65 student of Civil Engineering Department upto a level that they were able to understand the process of designing structures using STAAD PRO software. Following are the salient features of his 5 day training program-

1. On 9th of october, First day of the training Mr. Azmi focussed on the fundamentals of Structural engineering i.e. analysis, design etc. He gave the basic concept about the Staad Pro Software, elements of the STAAD Pro Screen and a brief introduction to Staad Editor.

2. On the next day Mr. Azmi presented a detailed description on Structure Geometry & Coordinate System which included model generation in Staad.Pro, method of creating the model, Structure Wizard, Model Editing Tools(Like Add beam, insert node, cut section, add plate view mode etc.), coordinate systems. He also guided the students on the subject of Specification and Property consisting of following topics member property, support specification, material specification, material property, group specification.
3. Mr. Azmi continued his training on the third day where he provided the students with basic concept of Loads and Load Combinations. This session focussed on type of loads, calculation of live load, dead load, wind load, seismic load according to relevant IS code and how to implement them in structure.
4. The fourth day of training dealt with analysis of the structure and general guideline for structural design.
5. The training acquired by the students in the previous four days was put to experimentation where Mr. Azmi took an example of a framed structure and did a complete analysis and design of the concerned structure. Apart from this he also demonstrated to students how to prepare structural drawing.

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