ACTIVITIES IN CIVIL ENGINEERING DEPARTMENT

1. STAAD.Pro Software Training Program was held during March 15-23, 2024

TRAINING REPORT

Topic – Structural Analysis and Design using STAAD.Pro

INTRODUCTION

STAAD.Pro Software Training Program for B.Tech. 2nd year & 3rd year students, was held between **March 15 & 23, 2024**. The main aim of this training was to improve the software skills of students in STAAD.Pro.

OBJECTIVES

The objectives of this workshop were:

➢ To improve the learning skills of the students.
➢ To understand the fundamentals of structural analysis and design principles.
➢ To analyze structural behavior under various loading conditions.
➢ To perform code-compliant design checks.
➢ Develop a complete structural design report with all analysis results, design specifications, and material requirements.

LEARNING OUTCOMES

The Participants gained knowledge on

➢ Understand the basics of structural engineering principles.
➢ Apply various loads and load combinations in compliance with relevant standards and building codes.
➢ Perform structural analysis to determine internal forces, reactions, deflections, and member stresses.
➢ Design structural components such as beams, columns, slabs, and footings using STAAD.Pro.
➢ Develop practical skills in industry-standard software, preparing for real-world engineering design tasks in civil and structural engineering fields.

SPEAKER

Software Training Program was conducted by **Mr. Rahul Mourya.**

Snap Shots