

AICTE-QIP SHORT TERM COURSE

Overview of Structural Design Industry and Design of Buildings using Software

Date of Workshop – 25th May 2019 to 29th May 2019

COURSE OBJECTIVES • To equip the trainee with capabilities required for structural design of buildings.
• To impart training to the trainee to prepare them for evaluating and design of high rise buildings.
Course Content: This course covers following topics: • Role of a Structural Engineer in construction industry • Introduction to Design Software • Types of Structural systems used in high rise buildings • Study of Geotechnical report • Introduction to MEP (Mechanical, Electrical & Plumbing) drawings • Earthquake behaviour of buildings Wind Tunnel analysis

Number of Participants: 22 faculty

Schedule of Workshop:-

Day 1-

- Slot 1- Role of a Structural Engineer in construction industry
Introduction to working of Structural design office
- Slot 2- Preparation of design basis report (DBR)
Structural design software's
- Slot 3- Introduction to Design Software

Day 2-

- Slot 1- Design software session -1
- Slot 2- Reading Structural/Architectural drawings
Preparation of Structural general arrangement drawings
- Slot 3- Design software session -2

Day 3-

- Slot 1- Design software session -3
- Slot 2- Study of Geotechnical report
Introduction to MEP (Mechanical, Electrical & Plumbing) drawings
- Slot 3- Design software session -4

Day 4-

- Slot 1- Design software session -5

- Slot 2- Types of Structural systems used in high rise buildings
- Slot 3- Design software session -6

Day 5-

- Slot 1- Design software session -7
- Slot 2- Earthquake behaviour of buildings

Wind Tunnel analysis

- Slot 3- Design software session -8

Sample Photos taken during Course.

