

# Skyscraper Design

**Overview:** The design of skyscraper design buildings essentially involves conceptual design, approximate analysis, preliminary design and optimization to safely carry different loads acting on structure.

## Day 1

### Session 1:

- High Rise building
- Introduction
- Structural systems
- Load resisting systems
- Codes requirements conforming to Indian Standard
- Load Calculation ( Dead , Live , Wind )

## Day 2

### Session 1: Practical Session

- Industrial approach to projects
- Modeling of a structure: An overview
- Setting up different load cases
- Design of concrete frames
- Design of Steel frame elements
- Modeling and design of shear walls
- Case studies on industrial projects

### Session 2:

- Competition
- Certificate Distribution