BASIC COURSE ON ETABS

ETABS HAS BEEN RECOGNIZED AS THE INDUSTRY STANDARD FOR BUILDING ANALYSIS AND DESIGN SOFTWARE, ESPECIALLY FOR HIGH RISE BUILDINGS. EVERY MULTI-NATIONAL DESIGN CONSULTANT IS LOOKING FOR ETABS PROFESSIONAL.

COURSE DESCRIPTION:

CONCRETE & STEEL STRUCTURES, SUBJECTED TO STATIC & LATERAL LOADS

COURSE OUTLINE:

1. **INTRODUCTION ON ETABS**

2. **SETTING UP AN ETABS MODAL**
   - Setting Up Grid Line
   - Setting Up Storey Information
   - Moving Around Different Windows (Plan, Elevation, 3D)
   - Using Snapping Tools

3. **DEFINING MATERIAL & SECTION PROPERTIES**
   - Material Properties
   - Frame Section Properties
   - Wall / Slab Section Properties

4. **UNDERSTANDING ETABS OBJECT**
   - Point, Line And Area (Membrane, Plate & Shell)

5. **CREATING A BUILDING MODAL**
   - Columns, Beams, Floors & Walls

6. **DEFINING LOADS, LOAD CASES AND APPLICATION TO THE MODAL**
   - Dead Load
   - Live Load
   - Wind Load
   - Quake Load
   - Load Combinations
   - Application Of Point, Line & Area Loads

7. **ANALYSIS AND RESULTS**
   - Linear Static Analysis
   - Graphical Display Of Output
   - Tabulation Of Results

8. **DESIGN OPTIONS**
   - Steel Frame Optimization as per IS 800
   - Concrete Frame Design as per IS 456
   - Shear Wall Design

SPEAKER PROFILE:

PRAVEEN VARMA V, Has worked in LARSEN & TOUBRO LTD as a Senior Design Engineer. Experienced in the Design of High Rise Structures, at Seismic Regions.

Lecture Duration : 10hrs(Online & Offline available)

Email : pvv.structure@gmail.com
Ph.No. +91-8500101177