



MADURAA TRAINING INSTITUTE



IN LIAISON WITH MADURAA CONSULTANTS, SALEM



Authorized Training Institute of
CSI ENGINEERING SOFTWARE PRIVATE LTD, NEW DELHI.

ONLINE COURSE / ON CAMPUS

INTRODUCTION TO ETABS SOFTWARE

Introduction to ETABS software and its capabilities

MODEL CREATION, EDITING, LOADING & ANALYSIS

Creating & Editing Grids systems / Story Data
Defining & Editing Material Properties / Sections Properties
(Beam, Column, Slabs)
Draw models using Beams, Columns, and Slabs
Creating Loads and loads combinations (Dead + Live)
Assigning Loads to the Structure for (Dead + Live)
Assigning releases / Property Modifiers / P-Delta Options
Checking the model for run
Analyzing the structure for (Dead + Live)

LOADING & ANALYSIS FOR SEISMIC

Defining Seismic load patterns. (Static)
Defining Mass source
Analyzing the Structure for Seismic load
Studying the Effects of structure due seismic load
Designing the Structure for seismic load.

LINEAR DYNAMIC ANALYSIS

Define Response Spectrum
Analysis of Buildings - Response Spectrum Method
Design of Buildings - Response Spectrum Method

ANALYZING THE STRUCTURE FOR STATIC AND DYNAMIC

Reviewing the Analyzing results such as Story Drift ,
Member deflection, Response plot , Shear
force and Bending Moment.

WIND ANALYSIS AND DESIGNING

Defining Wind Loads as per IS Code.
Applying Wind Loads to Structure.
Analyzing the Structure for Wind loads.
Designing the Structure for wind load.

COMPOSITE MEMBERS:

Defining, Model creation, Analyzing and Designing of
Composite Members.

SHEAR WALLS

Defining, Model creation, Analyzing and Designing of Shear
walls.

FLAT SLABS

Defining, Model creation, Analyzing and Designing of Flat
Slabs.

CURVED STRUCTURE

Defining, Model creation, Analyzing and Designing of
Curved structures.

WAFFLE SLABS

Defining, Model creation, Analyzing & Designing of Waffle
Slabs.

STEEL STRUCTURES

Defining, Model creation, Analyzing and Designing of Steel
Structures.

EXPORTING OUTPUTS

CAD,(DXF/ DWG), J PEG, Tabular formats.
report generation on words & Excel format.

ETABS ADVANCED

Detailed Shear wall and Flat slab designing
Non Linear dynamic Analysis / Time History Analysis
Pushover Analysis

COURSE OFFERED

• ETABS • SAFE • SAP2000

MADURAA TRAINING INSTITUTE WILL PROVIDE CERTIFICATE IN ASSOCIATION WITH
CSI ENGINEERING SOFTWARE PRIVATE LTD, NEW DELHI.

FOR MORE DETAILS CONTACT :



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