GURURAYAR ASSOCIATES

ENGINEERING CONSULTANCY & TRAINING'S

ISO 9001-2015 CERTD, Government Registration No.**TN270027105**

International IEC No. : **CCGPP6717H**

We are GURURAYAR ASSOCIATES MSME registered and ISO 9001-2015 certified single ownership company established in 2016 with 25 years of Industrial, commercial and residential design/consultancy experience in the field, we decided to alter direction. Now, we share our passion by helping others.

OUR MISSION:

To build an independent professional structural design engineers/consultants in all over India and abroad as well. We train people with our practical design methodology which is being currently practiced in engineering consultancy. We are committed to excel the quality and economic structural design services to our clients as well.

Our ramp up process is designed to empower your team.

Business mentors are key—that's why when it comes to client selection, we're choosy. We want to give each of you the right time and guidance you deserve.
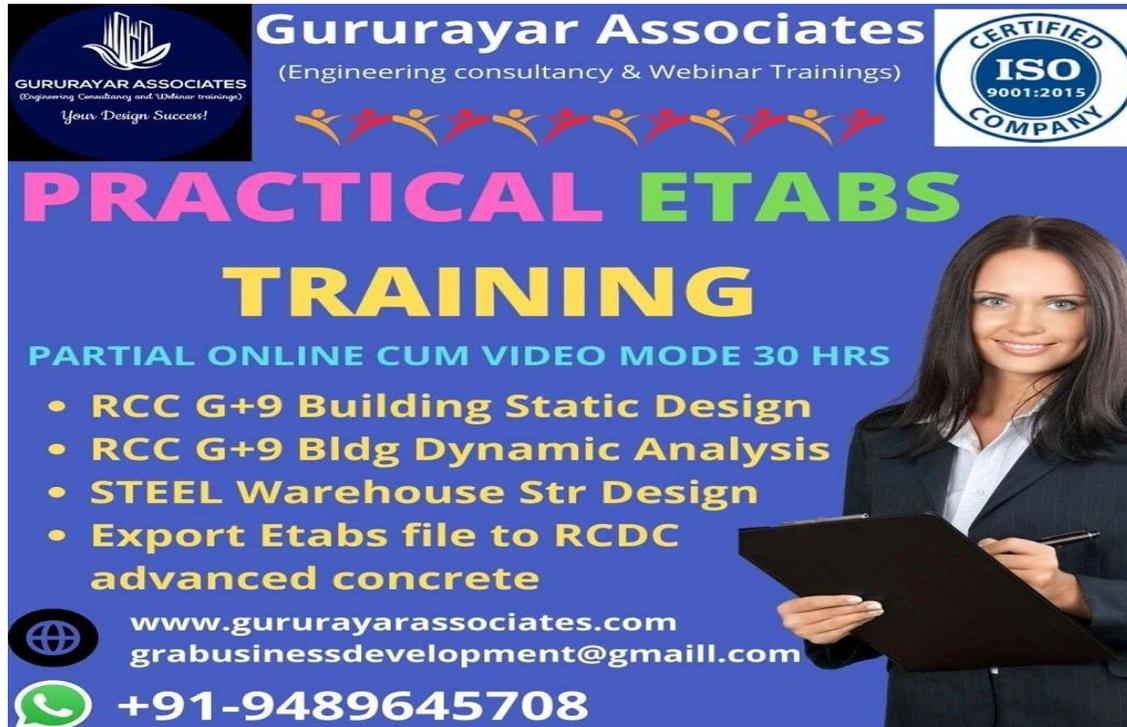
OUR MOTTO: HELP EACH OTHER!   GROW TOGETHER!!

TRANSFORMING MILLIONS OF CIVIL ENGINEERS FROM ALL OVER THE GLOBE IN TO DESIGNING AND CONSULTANTS FIELD!

MAJOR BENEFITS OF OUR TRAINING'S

TR-1008. PRACTICAL ETABS TRAINING

Detailed Syllabus

👉 **Introduction**

- ✳ Structure
- ✳ Types of structures
- ✳ Basic definitions
- ✳ Idealization of structures

👉 About ETABS

- ✳ Features
- ✳ hardware requirements
- ✳ ETABS screen organization
- ✳ GUI overview

✴ Unit systems

✴ Structure geometry

✴ Coordinate systems (Global and Local)

☛ The Structural Model

✴ Units

✴ Objects and Elements

✴ Groups

✴ Coordinate Systems and Grids

✴ Properties

✴ Load Cases

✴ Functions

✴ Analysis Cases

✴ Combinations

✴ Design settings

✴ Output and Display Definitions

☛ The Graphical User Interface

✴ The ETABS Screen

✴ Main Window

✴ Menu Bar

✴ Toolbars

✴ Display Windows

✴ Status Line

✴ Using the Mouse

✴ Viewing Options

✴ 2-D and 3-D Views

✴ Perspective

✴ Pan, Zoom, and 3-D Rotate

✴ Limits

✴ Element View Options

- ✳ Other Options
- ✳ Refreshing the Display Window
- ✳ Basic Operations
- ✳ File Operations
- ✳ Defining Named Entities
- ✳ Drawing Objects
- ✳ Snap Tools
- ✳ Drawing Controls
- ✳ Selecting
- ✳ Selecting Graphically
- ✳ Selecting by Feature
- ✳ Editing
- ✳ Assigning
- ✳ Undo arid Redo
- ✳ Analyzing
- ✳ Displaying
- ✳ Graphical Displays
- ✳ Model Definition
- ✳ Analysis Results
- ✳ Function Plots
- ✳ Tabular Displays
- ✳ Designing
- ✳ Locking and Unlocking
- ✳ Entering Numerical Data Setting Options

☛ Define Grid System

- ✳ Selecting template
- ✳ Entering Grid System Data
- ✳ Adding Grid Lines In X, Y and Z Directions

☛ Define Material Properties

✹ Specify Design Parameters

✹ Material Property Data

☛ Define Section Properties

✹ Add Frame Section Property

✹ Specify Frame Section Properties for Beam

✹ Add New Frame Section Properties for Column

✹ Specify Area Section Properties for Slab

☛ Draw

✹ Drawing beams with different methods

✹ Drawing Colum as with different orientation

✹ Drawing slabs

☛ Assigning Properties

✹ Assigning Properties to Frame Elements

✹ Assigning Properties to Area Elements

☛ Assign Restraints

✹ Assigning Fixed, Pinned, Roller Support at Joints

☛ Define and Assign Load Cases

✹ Adding and Assigning Dead Load Case

✹ Adding and Assigning Live Load Case

✹ Add rig and Assigning Wind Load Case

✹ Adding and Assigning Seismic Load Case

☛ Defining Load Combinations

✹ Adding different Load Combinations for dead Load, Live Load, Wind Load and Seismic Load

☛ View Analysis Results in Tabular Form

✹ View Analysis Result Diagrams of Frame Elements
✹ View Analysis Result Contour in Slab Panels

☛ Concrete Design

✹ Concrete Frame Design and View Design Results

☛ Steel Design

✹ Steel Frame Design and View Design Results

☛ View Design Parameters

✹ View Load Combination for Concrete Frame Design
✹ View Reinforcement for Frame Design
✹ View Percentage Steel for Frame Design
✹ Steel Frame Design and View Design Results
✹ View Load Combination for Steel Frame Design

☛ Projects

✹ Project in concrete Structure
✹ Project in steel structure

Course Duration: 1 Month

Pdf notes, recorded video access (Free for 6 months) in google drive, reference booklets all included as supply.

This Course is offered at Rs.2999/- ONLY, Instead of RS.9,999/-

Payment Modes : PhonePe/PAYTM/Gpay no. **9629121300**

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