

ADVANCED RCC STRUCTURAL DESIGN- 2

- SEISMIC MANUAL, ETABS AND RCDC DESIGN AND DETAILING [AT006]

SPECIALITIES IN THIS TRAINING

- SP INSTITUTE Since 2011 owned by SP STRUCTURES (Civil & Structural Consultancy), Chennai.
- SP INSTITUTE Chief Executive Er.P.Sabarinathan (Trainer) Student of Prof. A.R.Santhakumar IIT(M)
- Unlimited Period of Training
- Experience Certificate
- Govt. of INDIA New UDAYAM MSME Registration UDAYAM- TN-02-0027071
 Certificate
- Placement reference for Students/Engineers
- SP STRUCTURES office environment exposure.

ETABS

- Tips to Tricks on Seismic Analysis interpretation based on SP STRUCTURES office environment
- Understand the Seismic behaviour of RCC Elements and Structures as per IS 1893
- Modelling Tricks in Grid Floor Analysis and Design

RCDC

- SP STRUCTURES office Design Assignments
- In the blink of eye Magical Experience will be shown
- Shortcuts in the Software

SOFTWARE LICENSES

The Latest software owned by SP INSTITUTE

ETABS

SAFE

RCDC

H.O: # 5, Il Floor, I Street, Seetha Nagar, Nungambakkam, Chennai- 600034. Mob:+919787075645 Ph: 044 28242412/ 79647041



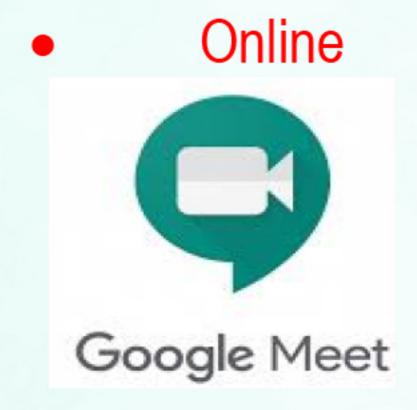
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MODE OF TRAINING

At Respective Training Center (Offline)





INSTRUCTIONS

1.Students/ Engineers must bring their own laptop, pen drive mouse etc.,

2. The Internet Speed must be Good

SESSIONS

SEISMIC CALCULATION AS PER IS 1893 Part -1 2016 ON PRACTICAL PROBLEM

- a. SEISMIC WEIGHT EXCLUSIVELY AS PER IS 1893
- b. SESIMIC ZONE CLASSFIFICATION
- c. TIME PERIOD FOR DIFFERENT BUIDLING AND ITS HEIGHT
- d. DESIGN BASE SHEAR
- e. DISTRIBUTION OF BASE SHEAR ON EACH FLOOR

ETABS APPLICATION AS PER IS 1893

- a. TAKE UP EXISTING NON SEISMIC MODEL (PRACTICAL PROBLEM)
- b. DIAPHGRAM ASSIGNMENTS
- c. SEISMIC LATERAL LOAD APPLICATION
- d. DESIGN BASE SHEAR COMPARISON ON MANUAL AND ETABS ASSIGNMENT
- e. DRIFT CHECK ON EACH STOREY
- f. BASE REACTIONS
- g. BEHAVIOUR OF STRUCTURE IN ANIMATED VIEW

EATBS DYNAMIC ANALYSIS USING RESPONSE SPECTRUM METHOD (RSM)

- a. DEFINE RSM FACTOR
- b. DEFINE LOAD CASES IN RSM

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- c. COMPARISON OF STATIC BASE SHEAR VB VS RSM BASE SHEAR
- d. BEHAVIOURIAL ANALYSIS AND ITS RESULTS DISCUSSION

RCDC AS PER IS 456 AND IS 13920

- a. PREPRATION OF PRACTICAL ETABS MODEL TO EXPORT RCDC
- b. RCDC DESIGN SETTINGS
- c. RCDC DETAILING SETTINGS
- d. DESIGN RESULTS INTERPRETATION
- e. REINFORCEMENT DETAILING ASSIGNMENTS
- f. EXPORT TO DXF FILE

GRID FLOOR SYSTEM IN ETABS

- a. MODELLING OF GRID FLOOR SYSTEM
- b. ANALYSIS OF GRID SYSTEM
- c. DESIGN OF GRID FLOOR SLAB SYSTEM

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