

FAST TRACK FOUNDATION DESIGN IN SAFE ***[T004]***

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.

SAFE

- Tips and Tricks interpretation based on **SP STRUCTURES** office environment
- Understand the Seismic behaviour of RCC Elements and Structures as per IS 1893
- **SP STRUCTURES** office Design Assignments
- In the blink of eye Magical experience
- Shortcuts in the Software

SOFTWARE LICENSES

The Latest software owned by **SP INSTITUTE**

- **ETABS**
- **SAFE**

MODE OF TRAINING

- **At Respective Training Center (Offline)**
- **Online**



INSTRUCTIONS

- 1.Students/ Engineers must bring their own laptop, pen drive mouse etc.,
- 2.The Internet Speed must be Good

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SESSIONS

SAFE AS PER IS 456

FINITE ELEMENT ANALYSIS

1. ISOLATED FOOTING 2. COMBINED FOOTING 3. COMBINED WITH STRAP
4. RAFT FOUNDATION 5. RAFT WITH BEAM 6. ECCENTRIC/ ECCENTRIC WITH
PEDESTAL FOOTING

STRIP METHOD

1. ISOLATED FOOTING 2. COMBINED FOOTING 3. COMBINED WITH STRAP
4. RAFT FOUNDATION 5. RAFT WITH BEAM 6. ECCENTRIC/ ECCENTRIC WITH
PEDESTAL FOOTING

- a. EXPORT REACTIONS FROM **PRACTICAL** ETABS MODEL TO SAFE
- b. CHECK THE ETABS FORCE IN SAFE
- c. SIZE OF FOOTING ARRIVAL AS PER SBC
- d. DEFINITION OF MATERIAL BOTH CONCRETE AND STEEL
- e. MODELLING ISOLATED FOOTING / IMPORT FROM AUTO CAD
- f. DEFAULT MODEL LOAD APPLICATION AND LOAD COMBINATIONS
- g. FINITE ELEMENT ANALYSIS/ STRIP ANALYSIS METHOD
- h. DESIGN OF MODEL ON FINITE ELEMENT/ STRIP METHOD
- i. SBC CHECK/SHEAR CHECK

PRACTICAL THUMB RULES

DISCUSSIONS ON IS CODES