

# EASWARI ENGINEERING COLLEGE

(Autonomous)

## Department of Civil Engineering

### CORE TRAINING ON ETAB

Day	Unit Title	Content covered	Software tools required
Day-1 & 2	Introduction to RC structure & Member forces	Introduction to RC structure, Load path, Manual load distribution Worked example, Shear force Diagram, Bending moment Diagram, Axial force, Torison & Structural failures	-
Day-3 & 4	IS codes walkthrough	Gravity design versus Lateral design, IS-456 codebook walkthrough, IS-875 (Part-2) walkthrough, IS-875 (Part-3) walkthrough, IS-1893-2016 codebook walkthrough	-
Day-5 & 6	Introduction to ETABS software & Frame design	Structural Scheme preparation from Architectural input, User interface in ETABS & Key functions, RC beam and RC column modeling & design	ETABS
Day-7 & 8	RC wall & RC slab design with ETABS	RC wall positioning & design implications, Rc wall - Modeling & Design, RC slab design concepts in ETABS, Introduction to Ductility, IS-13920-2016 walkthrough and detailing checks	ETABS
Day-9 & 10	Fundamental in Foundation & Design using SAFE software	Fundamentals in Foundation engineering, Manual foundation design, Isolated footing & Combined footing design in SAFE, Pile cap foundation design in SAFE	SAFE
	Project		ETABS & SAFE

### Trainer Profile

#### **Thamizharasu**

#### **Team lead Civil – Skill Lync**

#### **Profile**

A Government registered professional currently leading a team of technical support engineers in Skill-lync, an engineering ed-Tech

#### **Experience**

7.5 years of Industry experience in the design of Reinforced structures, pre-stressed elements & Earthquake

#### **Iconic projects**

World Trade Center Chennai, Jio center BKC Mumbai, Phoenix market city Hebbal Bengaluru, Police bhavan Delhi, Hiranandani Fortune city Thane etc.,

#### **Academics**

B.E from Meenakshi Sundararajan Engineering college



*Conducted Core Training titled “E-TAB” for III Year Civil Engg. Students of Batch (2020-2024) with the support of industrial experts from Skill-Lync in month of Feb 2023.*