

## **GURURAYAR ASSOCIATES:**

### **SAFE TRAINING SYLLABUS: -**

- Introduction, Defining material ,Defining Sections and Defining Soil Properties (Soil Subgrade Modulus)
- Designing of Isolated footing, Combined footing in Detail
- Slab analysis, design and Detailing (with or without drop panels), Cantilever Slab
- piles foundation (Pile Cap design)
- Base Plate Design (Axial + Bi-axial ) with RAM Connection
- beams design
- Raft/MAT Foundation design
- Full building design, then exported From CSI ETABS to CSI SAFE and designed the foundation in CSI SAFE Software
- Pile Cap design in detail with pile spring constant calculations
- Concrete Slab Short term and Long term Deflection