

Date: 01-02-2019

Curriculum for Software Programs in Civil Engineering

Program Name: SAFE

Duration: 30Hr

Overview

SAFE is a software tailored for the engineering of elevated floor and foundation slab systems. Slab modeling, analysis, and design procedures feature a suite of sophisticated tools and applications, couple with post-tensioning, punching-shear, and beam detailing, and integrate the influence of soils, ramps, columns, braces, walls (rectilinear or curvilinear), and other interfacial elements. This course gives you a comprehensive knowledge in foundation design. All types of foundation systems including isolated footing, strip footing, combined footing, slab design, flat slab design are covered.

Syllabus

The Basics

Opening SAFE
SAFE Screen
Toolbars
Viewing Tools
Shortcut Keys

DESIGN OF ISOLATED FOOTING

DESIGN OF COMBINED FOOTING

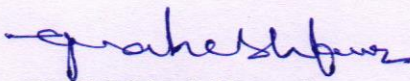
DESIGN OF SOLID SLAB

DESIGN OF FLAT SLABS

Assessment:

Students should obtain:

Min 80% of attendance
Min 80% Participation in practice session
Power point Presentation of the assigned drawing

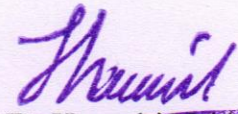


(Dr. G Mahesh Kumar)

HOD

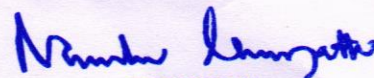
HOD

Dept. of Civil Engineering
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(Dr. Hemadri Naidu)

Principal



PRINCIPAL
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