

Concrete Structure Designing, RCC

Introduction:

Familiarity of a civil engineer with Concrete Structure Designing or Reinforced Cement Concrete Designing is the utmost requirement of modern era. This course aims to introducing students to Concrete Structures Designing and utilize basic computer application for designing process.

Course Coverage:

- Introduction to Concrete Structures
- Introduction to RCC Designing
- Introduction to Codes use in RCC Designing
- Key steps for any RCC member
- Designing of Beams
- Designing of Shearing bars
- Designing of Slabs
- Designing of footing
- Designing of Columns
- Designing of Stair-case
- Working with excel
- Estimation of RCC structures
- Project

Participant Profile:

This course is designed for students having educational level up to F.A / F.Sc ambitious to develop sound engineering concepts in building services design. Also very helpful for DAE/BSc Civil engineering students in on-job field applications.

Instructor Profile:

A team of experienced and highly qualified professionals in Building Construction and Designing are conducting this course.

Methodology:

This course is delivered through lectures, multimedia presentations, videos and hands-on practice on modern CAE specific computers.

Learning Outcome:

After the completion of the course, participants will be able to assist in designing of building frame structure and understand the design process of these systems in any commercial / domestic building and the participants will be also able to utilize Computer Technology for designing process and for estimation.