

III Year I Semester
Code: 17CE512

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DETAILING OF REINFORCED CONCRETE STRUCTURES LAB

Course objectives:

1. To provide students detailing of R.C.C members.
2. To make the students aware of how to communicate the detailing of reinforcement in the structural members of RCC for the execution purpose.
3. To study drawings in field for the execution of Civil Projects

Course Outcomes:

1. Prepare the detailed drawing of different RCC members like beams, footings, stair case
2. Prepare the detailed drawing of overhead water tank
3. They will also be able to read the detailed drawing of any Civil Engineering projects when made project in charge.

LIST OF DRAWING SHEETS

1. Reinforcement detailing of Rectangular RCC Beam.
Singly reinforced concrete beam
Doubly reinforced concrete beam
2. Reinforcement detailing of T and L shaped RCC Beam.
3. Reinforcement detailing of One-way and Two-way RCC slab.
4. Reinforcement detailing of column and isolated RCC footing.
5. Reinforcement detailing of column and combined RCC footing.
6. Reinforcement detailing of stair case.
7. Reinforcement detailing of overhead water tank.

Reference Books

1. IS:456 (2000) & SP:16
2. BSI: For reinforcement detailing
3. National Building Organization code.
4. BSI: For vertical and horizontal detailing