INSTITUTE	**FACULTY OF TECHNOLOGY**
PROGRAM	**BACHELOR OF TECHNOLOGY (CIVIL ENGINEERING)**
SEMESTER	**7**
COURSE TITLE	**SKILLING THE CONSTRUCTION SITE SUPERVISION**
COURSE CODE	**01CI1709**
COURSE CREDITS	**1**

Objective:

1 To develop a fundamental understanding of the drawings and its interpretations
2 To learn the procedures and methods for planning the shuttering carpentry works.
3 To learn the planning and quality control of the concreting works at field
4 To develop a fundamental understanding of the bar bending schedule and its execution.

Course Outcomes: After completion of this course, student will be able to:

1 Analyze and interpret construction drawings, specifications and standards for structural execution tasks
2 Develop plans and allocate resources for shuttering carpentry, concreting and bar bending works
3 Evaluate and procure approvals, and prepare checklists for shuttering carpentry, concreting and bar bending works
4 Evaluate and ensure shuttering carpentry, concreting and bar bending works adhere to plans and standards

Pre-requisite of course: Building Construction Technology

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	2	0	0	0	50	0

Contents : Unit	Topics	Contact Hours
Total Hours		

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Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	**Interpretation of drawings, specifications and standards for structural execution** Interpretation of drawings, specifications and standards for concreting, scaffolding, shuttering carpentry and bar bending and steel fixing operations	6
2	**Plan, supervise and monitor execution of system shuttering carpentry works** Plan and allocate resources for shuttering carpentry works, Procure approvals and prepare checklist prior to and after commencement of work, Supervise and ensure execution of system shuttering carpentry works in accordance with agreed work plan.	8
3	**Plan, supervise and monitor execution of concreting works** Plan and allocate resources for concreting works, Procure approvals and prepare checklist prior to and after commencement of concreting work, Supervise and ensure execution of concreting works in accordance with agreed work plan.	8
4	**Plan, supervise and monitor execution of bar bending works** Plan and allocate resources for bar bending works, Procure approvals and prepare checklist prior to and after commencement of work, Supervise and ensure execution of bar-bending works in accordance with agreed work plan	8
5	**Field Visit** Field Visit	4
Total Hours		**34**

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	**Understand**	**Apply**	**Analyze**	**Evaluate**	**Higher order Thinking / Creative**
5.00	10.00	30.00	30.00	15.00	10.00

Instructional Method:

1. At the start of course, the course delivery pattern, prerequisite of the subject will be discussed
2. Laboratories will be taken in the dual mode: within lab as well as on the field.
3. Oral examination will be conducted at the end of the semester as a part of overall evaluation.

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Instructional Method:

4 The course includes a laboratory, where students have an opportunity to build an appreciation for the concepts being taught in lectures.

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