



# LESSON PLAN - Pr 1. CONSTRUCTION WORKS PRACTICE & MS PROJECT, SESSION - 2025-2026(SUMMER 2026) BATCH-2023-2026 (6th Semester)

Discipline: civil engineering	Semester: 6TH	Name of the Teaching Faculty: GOURANG CHARAN PRADHAN, Sr.Lect. In civil Engg.
Subject: Pr 1. CONSTRUCTION WORKS PRACTICE & MS PROJECT	No. of days/ per week class allotted: 5	Semester From Date : 22-12-2025 to Date: 18-04-2026  No. of Weeks: 15
Week	Class Day	Theory/ Practical Topics
		<b>PART I: Construction work Practices</b>
1ST	1	Study of tools required for construction of masonry
	2	Study of tools required for construction of masonry
	3	Study of tools required for construction of masonry
	4	Lay out Plan of a building.
	5	Lay out Plan of a building.
2ND	1	Lay out Plan of a building.
	2	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner
	3	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner
	4	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner
	5	Construction of 1 & 1 ½ Brick thick Pillar in Mud mortar.
3RD	1	<b>Construction of 1 &amp; 1 ½ Brick thick Pillar in Mud mortar.</b>
	2	Construction of 1 & 1 ½ Brick thick Pillar in Mud mortar.
	3	Bar bending and fabrication of reinforcements for a beam.
	4	Bar bending and fabrication of reinforcements for a beam.
	5	Bar bending and fabrication of reinforcements for a beam.
4TH	1	Bar bending and fabrication of reinforcements for a slab.
	2	Bar bending and fabrication of reinforcements for a slab.
	3	Bar bending and fabrication of reinforcements for a slab.
	4	Bar bending and fabrication of reinforcements for a lintel with chajja.
	5	Bar bending and fabrication of reinforcements for a lintel with chajja.
5TH	1	Bar bending and fabrication of reinforcements for a lintel with chajja.
	2	<b>Bar bending and fabrication of reinforcements for a column.</b>
	3	Bar bending and fabrication of reinforcements for a column.
	4	Bar bending and fabrication of reinforcements for a column.
	5	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.
6TH	1	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.
	2	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.
	3	Study of pipe joints and plumbing fixtures.
	4	Study of pipe joints and plumbing fixtures.

	5	Study of pipe joints and plumbing fixtures.
		Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
7TH	1	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
	2	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
	3	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
	4	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
	5	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
8TH	1	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
	2	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring



	3	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
	4	Field visits: Visit to a construction site of a building where the following works are in progress. Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring
	5	Introduction to Microsoft Project 1.1Project Management-Definition & concept
9TH	1	1.1Project Management-Definition & concept
	2	1.1Project Management-Definition & concept
	3	1.2Features of Microsoft project
	4	1.2Features of Microsoft project
	5	1.2Features of Microsoft project
10TH	1	1.3MS project scheduling for engineering
	2	1.3MS project scheduling for engineering
	3	1.3MS project scheduling for engineering
	4	<b>2 Creating a project plan2.1Basic information for a new project</b>
	5	2.1Basic information for a new project
11TH	1	2.1Basic information for a new project
	2	2.2 Creating project from a blank
	3	2.2 Creating project from a blank
	4	2.2 Creating project from a blank
	5	2.3Creating project from existing
12TH	1	2.3Creating project from existing
	2	2.3Creating project from existing
	3	3 Basics of Microsoft Project 3.1Estimating a project
	4	3.1Estimating a project
	5	<b>3.1Estimating a project</b>
13TH	1	3.2Project Task
	2	3.2Project Task
	3	3.3Project Resources
	4	3.3Project Resources
	5	3.3Project Resources
14TH	1	Tracking the project progress
	2	Tracking the project progress
	3	Tracking the project progress
	4	5 Project Reporting
	5	5 Project Reporting
15TH	1	5 Project Reporting
	2	Custom views and field
	3	Custom views and field
	4	Custom views and field
	5	Custom views and field