

LESSON PLAN 2022-23

Discipline : civil engineering	Sem.: 6 <sup>TH</sup>	Name of teaching faculty: BINOD JENA (PTGF)
Sub: Construction works and MS Projects (practical)	No. of days/ per week class allotted: 5	Sem. From date: 14/02/2023 To date: No. of weeks: 15
Week	Class Day	Topics
1 <sup>ST</sup>	PART I: Construction work Practices	
	1 <sup>ST</sup>	Study of tools required for construction of masonry.
	2 <sup>ND</sup>	Study of tools required for construction of masonry.
	3 <sup>RD</sup>	Lay out Plan of a building
	4 <sup>TH</sup>	Lay out Plan of a building
	5 <sup>th</sup>	Lay out Plan of a building
2 <sup>ND</sup>	1 <sup>ST</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud
	2 <sup>ND</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud
	3 <sup>RD</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud
	4 <sup>th</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud
	5 <sup>th</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud
3 <sup>rd</sup>	1 <sup>ST</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner.
	2 <sup>ND</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner.
	3 <sup>RD</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner.
	4 <sup>th</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner.
	5 <sup>th</sup>	Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner.
4 <sup>th</sup>	1 <sup>ST</sup>	Construction of 1 & 1 ½ Brick thick Pillar in Mud mortar.
	2 <sup>ND</sup>	Construction of 1 & 1 ½ Brick thick Pillar in Mud mortar.
	3 <sup>RD</sup>	Construction of 1 & 1 ½ Brick thick Pillar in Mud mortar.
	4 <sup>th</sup>	Bar bending and fabrication of reinforcements for a beam
	5 <sup>th</sup>	Bar bending and fabrication of reinforcements for a beam
5 <sup>th</sup>	1 <sup>ST</sup>	Bar bending and fabrication of reinforcements for a beam
	2 <sup>ND</sup>	Bar bending and fabrication of reinforcements for a beam
	3 <sup>RD</sup>	Bar bending and fabrication of reinforcements for a beam

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	4th	Bar bending and fabrication of reinforcements for a slab
	5th	Bar bending and fabrication of reinforcements for a slab
6 <sup>th</sup>	1 <sup>ST</sup>	Bar bending and fabrication of reinforcements for a slab
	2 <sup>ND</sup>	Bar bending and fabrication of reinforcements for a slab
	3 <sup>RD</sup>	Bar bending and fabrication of reinforcements for a slab
	4th	Bar bending and fabrication of reinforcements for a lintel with chajja.
	5 <sup>th</sup>	Bar bending and fabrication of reinforcements for a lintel with chajja.
7 <sup>th</sup>	1 <sup>ST</sup>	Bar bending and fabrication of reinforcements for a column.
	2 <sup>ND</sup>	Bar bending and fabrication of reinforcements for a column.
	3 <sup>RD</sup>	Bar bending and fabrication of reinforcements for a column.
	4th	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.
	5 <sup>th</sup>	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.
8 <sup>th</sup>	1 <sup>ST</sup>	Study of pipe joints and plumbing fixtures.
	2 <sup>ND</sup>	Study of pipe joints and plumbing fixtures.
	3 <sup>RD</sup>	Study of pipe joints and plumbing fixtures.
	4th	Study of pipe joints and plumbing fixtures.
	5 <sup>th</sup>	Study of pipe joints and plumbing fixtures.
<b>PART II: MS Project</b>		
<b>1. Introduction to Microsoft Project</b>		
7 <sup>th</sup>	1 <sup>ST</sup>	1.1 Project Management-Definition & concept
	2 <sup>ND</sup>	1.1 Project Management-Definition & concept
	3 <sup>RD</sup>	1.2 Features of Microsoft project
	4th	1.3 MS project scheduling for engineering
	5 <sup>th</sup>	1.3 MS project scheduling for engineering
<b>2. Creating a project plan</b>		
8 <sup>th</sup>	1 <sup>ST</sup>	2.1 Basic information for a new project
	2 <sup>ND</sup>	2.1 Basic information for a new project
	3 <sup>RD</sup>	2.2 Creating project from a blank
	4th	2.2 Creating project from a blank
	5 <sup>th</sup>	2.3 Creating project from existing
<b>3. Basics of Microsoft Project</b>		
9 <sup>th</sup>	1 <sup>ST</sup>	3.1 Estimating a project
	2 <sup>ND</sup>	3.2 Project Task
	3 <sup>RD</sup>	3.2 Project Task
	4th	3.2 Project Task
	5 <sup>th</sup>	3.3 Project Resources
10 <sup>th</sup>	1 <sup>ST</sup>	4. Tracking the project progress
	2 <sup>ND</sup>	Tracking the project progress
	3 <sup>RD</sup>	Tracking the project progress

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	4th	Tracking the project progress
	5 <sup>th</sup>	Tracking the project progress
11 <sup>th</sup>	1 <sup>ST</sup>	5. Project Reporting
	2 <sup>ND</sup>	5. Project Reporting
	3 <sup>RD</sup>	5. Project Reporting
	4th	5. Project Reporting
	5 <sup>th</sup>	5. Project Reporting
12 <sup>th</sup>	1 <sup>ST</sup>	5. Project Reporting
	2 <sup>ND</sup>	5. Project Reporting
	3 <sup>RD</sup>	5. Project Reporting
	4th	Custom views and field
	5 <sup>th</sup>	Custom views and field
13 <sup>th</sup>	1 <sup>ST</sup>	Custom views and field
	2 <sup>ND</sup>	Custom views and field
	3 <sup>RD</sup>	Custom views and field
	4th	Custom views and field
	5 <sup>th</sup>	Custom views and field
14 <sup>th</sup>	1 <sup>ST</sup>	Custom views and field
	2 <sup>ND</sup>	Custom views and field
	3 <sup>RD</sup>	Custom views and field
	4th	Revise
	5 <sup>th</sup>	Revise
15 <sup>th</sup>	1 <sup>ST</sup>	11. Field visits:
	2 <sup>ND</sup>	11. Field visits:
	3 <sup>RD</sup>	11. Field visits:
	4th	11. Field visits:
	5 <sup>th</sup>	11. Field visits:

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HOD Signature

  
Faculty Signature

  
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