

# KIIT POLYTECHNIC, BHUBANESWAR

## LESSON PLAN

Session (2022 -2023)

<b>Discipline:</b> Civil Engineering	<b>Semester:</b> 6th, S/23	<b>Name of the faculty:</b> Abhijeet PrasadDash <b>Email ID:</b> abhijeetfce@kp.kiit.ac.in
<b>Subject:</b> Construction Works Practice & MS Project (Pr.1)	<b>No. of Days/week: 02</b> (3 periods / Day) Experiments will be performed in small groups of 5 to 6 students	<b>Start Date:</b> 13/02/2023 <b>End Date:</b> 23/05/2023

Week	Class Day	Practical Topics
1 <sup>st</sup>	1st	Construction Fundamentals
	2nd	Masonry construction Details Presentation
2nd	1st	Tools Used in Masonry Construction (part-1)
	2nd	Students Presentation on tools used in construction
3rd	1st	<ul style="list-style-type: none"><li>• Lay out Plan of a building Description</li><li>• Demonstration of 1 brick thick wall</li><li>• Construction of 1 brick thick wall using English Bond</li><li>• Construction of 1½ brick thick wall using English Bond</li></ul>
	2nd	<ul style="list-style-type: none"><li>• Lay out Plan of a building Description</li><li>• Demonstration of 1 brick thick wall</li><li>• Construction of 1 brick thick wall using English Bond</li><li>• Construction of 1½ brick thick wall using English Bond</li></ul>
4th	1st	<ul style="list-style-type: none"><li>• Lay out Plan of a building Description</li><li>• Demonstration of 1 brick thick wall</li><li>• Construction of 1 brick thick wall using English Bond</li><li>• Construction of 1½ brick thick wall using English Bond</li></ul>
	2nd	<ul style="list-style-type: none"><li>• Lay out Plan of a building Description</li><li>• Demonstration of 1 brick thick wall</li><li>• Construction of 1 brick thick wall using English Bond</li><li>• Construction of 1½ brick thick wall using English Bond</li></ul>
5th	1st	<ul style="list-style-type: none"><li>• Repeat Class/ Evaluation</li></ul>

	2nd	<ul style="list-style-type: none"> <li>• Construction of 1 brick thick pillar using English Bond using Mud Mortar</li> <li>• Construction of 1½ brick thick pillar using English Bond</li> <li>• Bar bending of reinforcements - Description for a beam</li> <li>• Bar bending and fabrication of reinforcements for a Slab</li> </ul>
6th	1st	<ul style="list-style-type: none"> <li>• Construction of 1 brick thick pillar using English Bond using Mud Mortar</li> <li>• Construction of 1½ brick thick pillar using English Bond</li> <li>• Bar bending of reinforcements - Description for a beam</li> <li>• Bar bending and fabrication of reinforcements for a Slab</li> </ul>
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7th	1st	<ul style="list-style-type: none"> <li>• Construction of 1 brick thick pillar using English Bond using Mud Mortar</li> <li>• Construction of 1½ brick thick pillar using English Bond</li> <li>• Bar bending of reinforcements - Description for a beam</li> <li>• Bar bending and fabrication of reinforcements for a Slab</li> </ul>
	2nd	<ul style="list-style-type: none"> <li>• Repeat Class/ Evaluation</li> </ul>
8th	1st	<ul style="list-style-type: none"> <li>• Demonstration of Non-destructive compressive strength</li> <li>• Study of pipe joints and plumbing fixtures</li> <li>• Field visits Excavation of foundation, Masonry works</li> <li>• Project Management-Definition &amp; concept</li> </ul>
	2nd	<ul style="list-style-type: none"> <li>• Demonstration of Non-destructive compressive strength</li> <li>• Study of pipe joints and plumbing fixtures</li> <li>• Field visits Excavation of foundation, Masonry works</li> <li>• Project Management-Definition &amp; concept</li> </ul>
9th	1st	<ul style="list-style-type: none"> <li>• Demonstration of Non-destructive compressive strength</li> <li>• Study of pipe joints and plumbing fixtures</li> <li>• Field visits Excavation of foundation, Masonry works</li> <li>• Project Management-Definition &amp; concept</li> </ul>
	2nd	<ul style="list-style-type: none"> <li>• Demonstration of Non-destructive compressive strength</li> </ul>

		<ul style="list-style-type: none"> <li>• Study of pipe joints and plumbing fixtures</li> <li>• Field visits Excavation of foundation, Masonry works</li> <li>• Project Management-Definition &amp; concept</li> </ul>
10th	1st	<ul style="list-style-type: none"> <li>• Demonstration of Non-destructive compressive strength</li> <li>• Study of pipe joints and plumbing fixtures</li> <li>• Field visits Excavation of foundation, Masonry works</li> <li>• Project Management-Definition &amp; concept</li> </ul>
11th	2nd	Features of Microsoft project, MS project scheduling for engineering
12th	1st	Creating a project plan- Basic information for a new project
	2nd	Basics of Microsoft Project- Estimating a project
13th	1st	Creating a project plan- Basic information for a new project
	2nd	Basics of Microsoft Project- Estimating a project
14th	1st	Repeat Class/ Evaluation
	2nd	Repeat Class/ Evaluation