

# SYNERGY POLYTECHNIC, BBSR

## The Lesson Plan

Discipline: <b>CIVIL ENGG.</b>	Semester: <b>3<sup>rd</sup> Sem</b>	Name of the Teaching Faculty: <b>Arpita Samal</b>
Subject: <b>BMCT</b>	No of Days/per week class allotted: <b>05</b>	Semester from Date: <b>1.7.24</b> to Date: <b>18.11.24</b> No of Weeks: <b>18</b>
Week	Class Day	Theory/Practical Topics
1st	1st	Stone - classification of Rock, uses of stone
	2nd	Qualities of good stone, Dressing of stone
	3rd	Characteristics of diff. types of stone
	4th	Brick - Its Composition
	5th	Brick making - (Moulding, Drying, Burning)
2nd	1st	-do-
	2nd	Classification of bricks
	3rd	Qualities of good building bricks
	4th	Cement - Types & Properties of cement
	5th	- do -
3rd	1st	Manufacturing of cement
	2nd	Application of blended cement with fly ash
	3rd	Mortar - Def <sup>n</sup> & types
	4th	Sources & classification of sand
	5th	Gravel, mossun, fly ash
4th	1st	Concrete - W/c Ratio, workability
	2nd	Properties & grading of aggregates
	3rd	Mixing, Placing, compacting, curing
	4th	Timber & its classification
	5th	Seasoning of timber
5th	1st	Characteristics of good timber
	2nd	Clay products
	3rd	Properties of refractory materials
	4th	Iron & Steel
	5th	-do-

*Arpita Samal*  
10.06.24  
Sign of Faculty

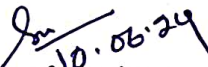
*Arpita Samal*  
10/06/24  
HOD

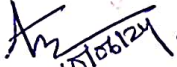
*Arpita Samal*  
10/06/24  
Principal

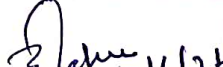
# SYNERGY POLYTECHNIC, BBSR

## The Lesson Plan

Discipline: <b>CE</b>	Semester: <b>3rd</b>	Name of the Teaching Faculty: <b>A. Samal</b>
Subject: <b>BMC</b>	No of Days/per week class allotted: <b>05</b>	Semester from Date: _____ to Date: _____ No of Weeks: _____
Week	Class Day	Theory/Practical Topics
1st	1st	Building & classification of buildings
	2nd	Components building
	3rd	Site investigation
	4th	Concept of foundation
	5th	Types of foundations
2nd	1st	Shallow foundation
	2nd	-do-
	3rd	-do-
	4th	Deep foundation
	5th	-do-
3rd	1st	-do-
	2nd	
	3rd	
	4th	
	5th	
4th	1st	
	2nd	
	3rd	
	4th	
	5th	
5th	1st	
	2nd	
	3rd	
	4th	
	5th	

  
 Sign of Faculty 10.06.24

  
 HOD 10/06/24

  
 Principal 10/6/24