

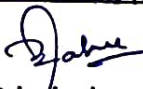
# SYNERGY POLYTECHNIC, BBSR

## The Lesson Plan

Discipline: <b>CE</b>	Semester: <b>6th</b>	Name of the Teaching Faculty: <b>Aspeta Samal</b>
Subject: <b>CM</b>	No of Days/per week class allotted: <b>04</b>	Semester from Date: <b>16.01.24</b> to Date: <b>26.04.24</b> No of Weeks:
Week	Class Day	Theory/Practical Topics
<b>1st</b> <i>Introduction to CM</i>	1st	Aims & Objectives of construction mgmt.
	2nd	Functions of CM
	3rd	The construction team components
	4th	Resources for construction mgmt.
	5th	Importance of construction Planning
<b>2nd</b>	1st	Stages of construction Planning
	2nd	-do-
	3rd	-do-
	4th	Bar chart - preparation
	5th	-do-
<b>3rd</b>	1st	Preparation of schedules
	2nd	-do-
	3rd	Limitation of Bar chart
	4th	CPM / PERT
	5th	-do-
<b>4th</b> <i>Materials &amp; stores mgmt. &amp; const<sup>n</sup> site mgmt.</i>	1st	-do-
	2nd	Classification of stores-storage
	3rd	Invoice, bin card, indent
	4th	Job lay out objectives
	5th	Lay out of equipments
<b>5th</b> <i>Construction Organisation</i>	1st	Job lay out for diff. const <sup>n</sup> sites.
	2nd	Principle of storing material at site
	3rd	Intro of construction organization
	4th	organisation types - line & staff
	5th	func <sup>n</sup> of & characteristics of org <sup>n</sup> .

  
Sign of Faculty

HOD

  
Principal

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Subject: <b>CM</b>	No of Days/per week class allotted: <b>09</b>	Semester from Date: <b>16.1.24</b> to Date: <b>26.04.24</b> No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Principles of organization
	2nd	Leadership, role of leader
	3rd	Human relations
	4th	- do -
	5th	- do -
2nd <i>const<sup>n</sup> Labour &amp; Labour mgmt.</i>	1st	conflicts in organization
	2nd	- do -
	3rd	Preparing labour schedule
	4th	Labour characteristics
	5th	wages & their payment, incentives
3rd <i>Equipment mgmt.</i>	1st	classification of motives
	2nd	Preparation of equipment schedule
	3rd	Importance of owning & operating cost
	4th	Inspecting & testing of equipment
	5th	- do -
4th <i>Quality control</i>	1st	Equipment maintenance
	2nd	concept of quality in const <sup>n</sup>
	3rd	Quality standards - Destructive/Non-de
	4th	- do -
	5th	work study [monitoring progress]
5th <i>Safety mgmt. in construction</i>	1st	Analysis of physical & financial progress
	2nd	importance of safety
	3rd	causes & effects of accidents in const <sup>n</sup>
	4th	Safety measures in worksites
	5th	Safety legislation

  
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Week	Class Day	Theory/Practical Topics
1st	1st	Introduction to vulnerability Atlas of India
	2nd	Concepts of natural hazards
	3rd	Earthquake hazard & vulnerability
	4th	Seismic zones
	5th	Types of structures & damage class
2nd	1st	wind / cyclone hazard, wind speed
	2nd	Storm surveys
	3rd	Cyclone resistant measures
	4th	Flood hazard & vulnerability
	5th	General protection of habitant's
3rd	1st	landslides & Tsunamis
	2nd	Thunderstorm hazards
	3rd	measures against Tsunami
	4th	Housing vulnerability risk tables
	5th	Uses of vulnerability atlas of India
4th	1st	Inclusion of vulnerability atlas in Tender
	2nd	
	3rd	
	4th	
	5th	
5th	1st	
	2nd	
	3rd	
	4th	
	5th	

  
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