

Discipline: CE	Semester: 6 th	Name of the Teaching Faculty: JYOTI PRAKASH BEHERA
Subject: CONSTRUCTION MANAGEMENT	No. of Days/per week class allotted: 04	Semester From Date: 14-02-2023 To Date: 23-05-2023 No. of Weeks: 15
Week	Class Day	Theory Topics
1 st	01	Introduction To Construction Management Aims and objectives of construction management.
	02	Functions of construction management
	03	The construction team components
	04	Resources for construction management-men, machines, materials, money
2 nd	01	Constructional Planning Importance of Construction Planning
	02	Developing work breakdown structure for construction work
	03	Construction Planning stages-Pre-tender stage, Post-tender stage
	04	Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works
3 rd	01	Preparation of schedules for labour materials,machinery, finance for small works
	02	Limitation of Bar charts
	03	Construction scheduling
	04	Materials and Stores Management
4 th	01	Classification of Stores-storage of stock
	02	Issue of materials-indent , invoice, bin card
	03	Issue of materials-indent , invoice, bin card
	04	Construction Site Management
5 th	01	Job Lay out-Objectives, Review plans, specifications, Lay out of equipments
	02	Location of equipment, organizing labour at site
	03	Job lay out for different construction sites
	04	Principle of storing material at site
6 th	01	Construction Organization

		Introduction
	02	Organization types-line and staff, functions and their characteristics
	03	Principles of organization
	04	Leadership
7 th	01	Human relations
	02	Conflicts in organization
	03	Construction Labour and Labour Management: Preparing Labour schedule
	04	Essential steps for optimum labour output
8 th	01	Labour characteristics
	02	Wages & their payment
	03	Labour incentives
	04	Motivation
9 th	01	Equipment Management
	02	Preparing the equipment schedule
	03	Identification of different alternative equipment
	04	Importance of Owning & operating costs
10 th	01	Inspection and testing of equipment
	02	Equipment maintenance
	03	Quality Control
	04	Concept of quality in construction
11 th	01	Concept of quality in construction
	02	Quality Standards
	03	Quality Standards
	04	Monitoring Progress
12 th	01	Programme and progress of work
	02	Programme and progress of work
	03	Work study
	04	Analysis and control of physical and financial progress corrective

		measures
13 th	01	Analysis and control of physical and financial progress corrective measures
	02	Safety Management In Construction Importance of safety
	03	causes and effects of accidents in construction works
	04	Safety measures in worksites for excavation, scaffolding
14 th	01	Development of safety consciousness
	02	Safety legislation- Workman's compensation act, contract labour act
	03	Role of Vulnerability Atlas of India in construction projects
	04	Earthquake hazard and vulnerability
15 th	01	Wind / Cyclone hazard and vulnerability
	02	Flood hazard and vulnerability
	03	Landslides, Tsunamis and Thunderstorm hazards and vulnerability
	04	Housing vulnerability risk tables