

PROGRAMME :CIVIL ENGINEERING COURSE NAME : CM COURSE CODE : TH-2 SEMESTER :6TH PERIODS/WEEK: 4 TOTAL PERIODS: 60	NAME OF THE FACULTY: MANASI PRADHAN & DURLAVI SWAIN
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WEEK	CLASS	TOPICS
1	1	CHAPTER-1: Aims and objectives of construction management.
	2	Functions of construction management.
	3	The construction team components
	4	Resources for construction management-men,machines,materials,money
2	1	CHAPTER-2: Constructional Planning: Importance of Construction Planning,Developing work breakdown structure for construction work
	2	Construction Planning stages-Pre-tender stage, Post-tender stage.
	3	Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works.
	4	Preparation of schedules for labour materials,machinery, finance for small works, Limitation of Bar charts
3	1	PERT and CPM
	2	PERT and CPM
	3	PERT and CPM
	4	CHAPTER-3: Materials and Stores Management:Classification of Stores-storage of stock.
4	1	Issue of materials-indent , invoice, bin card
	2	Issue of materials-indent , invoice, bin card
	3	Issue of materials-indent , invoice, bin card
	4	CHAPTER-4: Construction Site Management: Job Lay out-Objectives, Review plans, specifications
5	1	Lay out of equipments
	2	Location of equipment, organizing labour at site
	3	Job lay out for different construction sites.
	4	Principle of storing material at site.
6	1	CHAPTER-5: Construction Organization: Introduction – Characteristics, Structure, importance.
	2	Organization types-line and staff, functions and their characteristics
	3	Principles of organization
	4	Leadership-necessity, styles of leadership, role of leader
7	1	Human relations
	2	Conflicts in organization
	3	CHAPTER-6: Construction Labour and Labour Management: Preparing Labour schedule,Essential steps for optimum labour output
	4	Labour characteristics
8	1	Wages & their payment
	2	Labour incentives
	3	Motivation- Classification of motives, different approaches to motivation.
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	1	CHAPTER-7: Equipment Management : Preparing the equipment schedule,

9		Identification of different alternative equipment
	2	Importance of Owning & operating costs in making decisions for hiring & purchase of equipment
	3	Importance of Owning & operating costs in making decisions for hiring & purchase of equipment
	4	Inspection and testing of equipment
10	1	Inspection and testing of equipment
	2	Equipment maintenance
	3	CHAPTER-8: Quality Control: Concept of quality in construction
	4	Quality Standards
11	1	Quality Standards
	2	Quality Standards
	3	destructive & non destructive methods
	4	CHAPTER-9: Monitoring Progress : Programme and progress of work
12	1	Work study
	2	Analysis and control of physical and financial progress corrective measures
	3	Analysis and control of physical and financial progress corrective measures
	4	Analysis and control of physical and financial progress corrective
13	1	Analysis and control of physical and financial progress corrective measures
	2	CHAPTER-10: Safety Management In Construction: Importance of safety , causes and effects of accidents in construction works
	3	Safety measures in worksites for excavation, scaffolding, formwork, fabrication and erection, demolition.
	4	Development of safety consciousness
14	1	Safety legislation- Workman's compensation act, contract labour act
	2	Safety legislation- Workman's compensation act, contract labour act
	3	CHAPTER-11: Introduction to Vulnerability Atlas of India, Concepts of natural hazards and disasters and vulnerability profile of India. Definition of disaster related
	4	Earthquake hazard and vulnerability, Magnitude and intensity scales of earthquake, seismic zones, earthquake hazard maps, types of structures and damage classification, effects in housing and resistant measures
15	1	Wind / Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant measures.
	2	Flood hazard and vulnerability, Flood hazard and Flood prone areas of the country, General protection of habitants and flood resistant construction.
	3	Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps, Measures against Tsunami
	4	Housing vulnerability risk tables and usage of vulnerability atlas of India, Inclusion of vulnerability atlas in Tender documents.