LESSON PLAN FOR SUMMER SESSION (2023-24)

	ME : CIVII			1287
	ODE : TH.2		ON MANAGEMENT SESSION : 2023-24 DATE : 16/01/24 To 26/04/24	
MESTEI			DATE: 10/01/24 10 20/04/24	
RIODS/				
Committee of the Commit	RIODS:60			
VEEK	PERIODS	UNITS	TOPICS	
Jan. 3rd Week	1	1	1 Introduction To Construction Management 1.1 Aims and objectives of construction management.	
	2	1	1.2 Eunetions of construction management	
	3	1	1.3 The construction team components owner, engineer, architect, contractor-their functions and interrelation and jurisdiction.	onship
	4	1	1.4 Resources for construction management-men, machines materials ,money	Ball
Jan. 4th Week	5	2	2 Constructional Planning	
	6	2	2.1 Importance of Construction Planning	
	7	2	2.2 Developing work breakdown structure for construction work	
	8	2	2 2 Developing work breakdown structure for construction work	
	9		2.3 Construction Planning stages-Pre-tender stage, Post-tender stage.	
F-1 1-1	10	2	2.3 Construction Planning stages-Pre-tender stage. Post-tender stage.	
Feb. 1st Week	11	2	2.4 Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works.	
Week	12	2	2.4 Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works.	
	13	2	2.4 Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works.	
Feb. 2nd	14	2	2.5 Preparation of schedules for labour materials ,machinery, finance for small works	
Week	15	2	2.5 Preparation of schedules for labour materials ,machinery, finance for small works	The state of
WCCK	16	2	2.5 Preparation of schedules for labour materials ,machinery, finance for small works	-
	17	2	2.6 Limitation of Bar charts	
Feb. 3rd Week	18	2	2.7 Construction scheduling by network techniques-defination of terms PERT techniques	2000
	19	2	2.7 Construction scheduling by network techniques-defination of terms, PER1 techniques	
	20	2	2.7 Construction scheduling by network techniques-defination of terms CPM techniques	-
	21	2	2.7 Construction scheduling by network techniques-defination of terms CPM techniques	
	22	2	2.7 Construction scheduling by network techniques-defination of terms CPM techniques	
Feb. 4th	23		Monthly Toet.1	HELD.
Week	24	2	Advantages and disadvantages of two techniques, network analysis, estimation of time and critical path	
Mar. 1st Week	25	2	Advantages and disadvantages of two techniques, network analysis, estimation of time and critical path	
	26	2	Advantages and disadvantages of two techniques, network analysis, estimation of time and critical path	Bar A
	27	2	Advantages and disadvantages of two techniques, network analysis, estimation of time and critical path	
		2	Application of PERT and CPM techniques in sample construction works	
Harling .	28		Application of PERT and CPM techniques in sample construction works	CATE SEC
Mar. 2nd Week	29	2	Application of PERT and CPM techniques in sample construction works	
	30	2	Application of PERT and CPM techniques in sample construction works	31 4 31 15
	31	2		3.1
	32	3	3 Materials and Stores Management	3.1
		3	Classification of Stores-storage of stock. 3.2 Issue of materials-indent, invoice, bin card	100-100
Mar. 3rd Week	33	3	4 Construction Site Management	
	34	4	4.1 Job Lay out-Objectives, Review plans, specifications, Lay out of equipments.	
	35	4	4.2 Location of equipment, organizing labour at site.	
	36	4	4.3 Job lay out for different construction sites.	
Mar. 4th Week	37	4	4.4 Principle of storing material at site.	
	38	5	5 Construction Organization:	
	36	3	5.1 Introduction – Characteristics, Structure, importance.	
	39	5	5.2 Organization types-line and staff, functions and their characteristics	trol.
	40	5	5.3 Principles of organization- meaning and significance of terms- control, authority, responsibility, job &	C LUZK

	41	5	5.4 Leadership-necessity, styles of leadership, role of leader
Mar. 5th	42	5	5.5 Human relations-relations with subordinates, peers, Supervisors, characteristics of group behavior, Mob
Week	43	5	psychology, handling of grievances, absenteeism, labour welfare 5.6 Conflicts in organization-genesis of conflicts, types-intrapersonal, interpersonal, intergroup, resolving conflicts
	44	6	6 Construction Labour and Labour Management: 6.1 Preparing Labour schedule
Apr. 1st Week	45		6.2 Essential steps for optimum labour output INTERNAL ASSESSMENT
	46	6	6.3 Labour characteristics 6.4 Wages & their payment
	47	6	6.5 Labour incentives 6.6 Motivation- Classification of motives, different approaches to motivation.
	48	7	7 Equipment Management 7.1 Preparing the equipment schedule 7.2 Identification of different alternative equipment
Apr. 2nd Week	49	7	7.3 Importance of Owning & operating costs in making decisions for hiring & purchase of equipment 7.4 Inspection and testing of equipment 7.5 Equipment maintenance
	50	8	8 Quality Control 8.1 Concept of quality in construction 8.2 Quality Standards- during construction, after construction, destructive & non destructive methods
	51	9	9 Monitoring Progress 9.1 Programme and progress of work
	52	9	9.2 Work study 9.3 Analysis and control of physical and financial progress corrective measures
Apr. 3rd Week	53	10	10. Safety Management In Construction 10.1 Importance of safety causes and effects of accidents in construction works 10.3 Safety measures in worksites for excavation, scaffolding, formwork, fabrication and erection, demolition
	54	10	10.4 Development of safety consciousness Safety legislation- Workman's compensation act, contract labour act
	55	11	11 Role of Vulnerability Atlas of India in construction projects 11.1 Introduction to Vulnerability Atlas of India, Concepts of natural hazards and disasters and vulnerability profile of India. Definition of disaster related terms 11.2 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.
	56	11	11.3 Wind / Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant measures. 11.4 Flood hazard and vulnerability, Flood hazard and Flood prone areas of the country, General protection of habitants and flood resistant construction
Apr. 4th Week	57	11	11.5 Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps Measures against Tsunami hazards. Housing vulnerability risk tables and usage of vulnerability atlas of India, Inclusion of vulnerability atlas in Tender documents.
1,00%	58		Monthly Test-2 Doubt Clearing Class & Previous year question Paper discussion.
	59		Doubt Clearing Class & Freytous year question I aper discussion.

Arabindo Solhul PTOF. Concern faculty

HOD Civil engineering

Academic Coordinator GP Nabarangpur Principal GP Nabarangpur