GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN- 2020/21 (SUMMER)

FEBRUARY 38 24 151													JAN	IU,	AR	Y	MONTH Week	Subject: CONSTRUCTION MANAGEMENT (TH.2)	Discipline : CIVIL ENGG.			
5TH	3RD 4TH	181	5TH	4TH	2ND 2ND		151			5TH	4TH	2ND		151	5TH	H 4TH	151		ek Day			
	UNIT-III								II-TINU							UNIT-I			Unit	No. of Days / per week class allotted :	Semester: 6th	
ssue of materials-indent, invoice, bin card	Classification of Stores-storage of stock.	Materials and Stores Management	Problem solved by using PERT & CPM	Problem solved by using PERT & CPM	construction works.	network analysis, estimation of time and critical path, application of PERT and CPM techniques in sample	techniques, advantages and disadvantages of two techniques	Limitation of Bar charts, Construction scheduling by network techniques-defination of terms , PERT and CPM	schedules for labour materials, machinery, finance for small works	Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works. Preparation of	Construction Planning stages-Pre-tender stage, Post-tender stage.	Importance of Construction Planning ,Developing work breakdown structure for construction work ,	Constructional Planning	Resources for construction management-men, machines, materials, money	The construction team components owner, engineer, architect, contractor-their functions and interrelationship and jurisdiction.	Functions of construction management.	Aims and objectives of construction management.	Introduction To Construction Management	Topics	Semester From date: 25.01.2021 To Date: 30.04.2021	Name of the Teaching Faculty :SUBHASMITA NAIK	LESSON FLAN- 2020/21 (SUMMER)

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VI-TINU			IIIV-TINU			UNIT-VII				UNIT-VI						UNIT-V								UNIT-IV		
Monitoring ProgressProgramme and progress of work, Work study, Analysis and control of physical and financial progress corrective measures.	Monitoring Progress	destructive methods.	Concept of quality in construction, Quality Standards- during construction, after construction, destructive & non	Quality Control Quality Control	Inspection and testing of equipment, Equipment maintenance	Importance of Owning & operating costs in making decisions for hiring & purchase of equipment	Preparing the equipment schedule, Identification of different alternative equipment	Equipment Management	Labour incentives, Motivation - Classification of motives, different approaches to motivation.	Essential steps for optimum labour output, Labour characteristics, Wages & their payment,	Construction Labour and Labour Management:Preparing Labour schedule	Conflicts in organization-genesis of conflicts, types-intrapersonal, interpersonal, intergroup, resolving conflicts.	handling of grievances, absenteeism, labour welfare.		Leadership peressity styles of leadership role of leader	Principles of organization- meaning and significance of terms- control, authority, responsibility, job & task.	Organization types-line and staff, functions and their characteristics	Introduction - Characteristics, Structure, importance.	Construction Organization:	INTERNAL ASSESSMENT	Principle of storing material at site.	Job lay out for different construction sites.	Location of equipment, organizing labour at site.	Job Lay out-Objectives, Review plans, specifications, Lay out of equipments.	Construction Site Management	

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		UNIT-XI						UNIT-X		
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	and flood resistant construction.	wind / Cyclone hazard and vulnerability, will a speed all divisions, will a liazard and cyclone resistant measures. storm surveys and cyclone resistant measures.	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.	Introduction to Vulnerability Atlas of India, Concepts of Induatinatalus and disaster state value for the India. Definition of disaster related terms.	Role of Vulnerability Atlas of India in construction projects	Safety legislation- Workman's compensation act, contract labour act.	Development of safety consciousness	Safety measures in worksites for excavation, scaffolding, formwork, fabrication and erection, demolition.	Importance of safety, auses and effects of accidents in construction works	Safety Management In Construction

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Subject Expert

HOD 25 (01/2)
Civil Department

Academic Co-ordinator