

LESSON PLAN					
Discipline: Civil Engineering			Name of The Teaching Faculty: Sipra Dehuri		
Subject: Construction Management (TH2)			Semester From Date:14-02-2023 To Date 23-02-2023		
SEMESTER-6th (SUMMER 2023)			No. Of Weeks:16		4P/WEEK
No. of Days/week class allotted: 04 period per week (Mon,Tue,Wed & Sat 1 Period each)					TOTAL PERIOD-60
MONTH	WEEK	DATE	DAYS/PERIOD	SYLLABUS TO BE COVERED	NOS. OF PERIODS AVAILABLE
FEB	3RD			1. Introduction To Construction Management(4P)	4
		14.02.2023	TUE	1.1 Aims and objectives of construction management.	1
		15.02.2023	WED	1.2 Functions of construction management.	1
	4TH	20.02.2023	MON	1.3 The construction team components-owner,engineer,architect,contractor-their functions and interrelationship and jurisdiction.	1
		21.02.2023	TUE	1.4 Resources for construction management-men,machines,materials,money	1
				2. Constructional Planning (7P)	7
		22.02.2023	WED	2.1 Importance of Construction Planning	1
		25.02.2023	SAT	2.2 Developing work breakdown structure for construction work	1
	5TH	27.02.2023	MON	2.3 Construction Planning stages-Pre-tender stage, Post-tender stage.	1
		28.02.2023	TUE	2.4 Construction scheduling by Bar charts-preparation of Bar Charts for simple construction	1
MARCH	1ST	1.03.2023	WED	2.5 Preparation of schedules for labour materials,machinery, finance for small works	1
		4.03.2023	SAT	2.6 Limitation of Bar charts.	1
	2ND	6.03.2023	MON	2.7 Construction scheduling by network techniques-definition of terms ,PERT and CPM techniques, Advantages and disadvantages of two techniques, network analysis, estimation of time and critical path, application of PERT and CPM techniques in sample construction works.	1
				3. Materials and Stores Management (4P)	4
		11.03.2023	SAT	3.1 Classification of Stores-storage of stock.	1
	3RD	13.03.2023	MON	3.2 Classification of Stores-storage of stock.	1
		14.03.2023	TUE	3.3 Issue of materials-indent.	1

		15.03.2023	WED	3.4 Issue of materials-invoice, bin card.	1		
				4. Construction Site Management (5P)	5		
		18.03.2023	SAT	4.1 Job Lay out-Objectives, Review plans,	1		
4TH		20.03.2023	MON	4.2 Specifications, Lay out of equipments.	1		
		21.03.2023	TUE	4.3 Location of equipment, organizing labour at site.	1		
		22.03.2023	WED	4.4 Job lay out for different construction sites.	1		
		25.03.2023	SAT	4.5 Principle of storing material at site.	1		
				5.Construction Organization (6P)	6		
	5TH		27.03.2023	MON	5.1 Introduction – Characteristics, Structure,	1	
		28.03.2023	TUE	5.2 Organization types-line and staff, functions and	1		
		29.03.2023	WED	5.3 Principles of organization- meaning and	1		
APRIL	2ND	03.04.2023	MON	5.4 Leadership-necessity, styles of leadership, role of	1		
		04.04.2023	TUE	5.5 Human relations-relations with subordinates, peers, Supervisors, characteristics of group behavior, mob psychology, handling of grievances, absenteeism, labour welfare.	1		
		05.04.2023	WED	types-intrapersonal, interpersonal, intergroup, (6P)	1 6		
		08.04.2023	SAT	6.1 Preparing Labour schedule	1		
		10.04.2023	MON	6.2 Essential steps for optimum labour output	1		
	3RD		11.04.2023	TUE	6.3 Labour characteristics	1	
			12.04.2023	WED	6.4 Wages & their payment	1	
			15.04.2023	SAT	6.5 Labour incentives.	1	
			17.04.2023	MON	6.6 Motivation- Classification of motives, Different approaches to motivation.	1	
	4TH				7. Equipment Management (6P)	6	
			18.04.2023	TUE	7.1 Preparing the equipment schedule	1	
			19.04.2023	WED	7.2 Identification of different alternative equipment	1	
			22.04.2023	SAT	7.3 Importance of Owning & operating costs.	1	
			24.04.2023	MON	making decisions for hiring & purchase of equipment	1	
	5TH		25.04.2023	TUE	7.5 Inspection and testing of equipment.	1	
		26.04.2023	WED	7.6 Equipment maintenance.	1		
				8. Quality Control (5P)	5		
		29.04.2023	SAT	8.1 Concept of quality in construction	1		
MAY	1ST	01.05.2023	MON	8.2 Quality Standards- during construction.	1		
		02.05.2023	TUE	8.3 Quality Standards- After construction	1		
		03.05.2023	WED	8.4 Quality Standards- destructive methods.	1		
		06.05.2023	SAT	8.5 Quality Standards- destructive methods.	1		
	2ND		08.05.2023	MON	8.6-Quality standard-non destructive methods.	1	
					9. Monitoring Progress (6P)	6	
			09.05.2023	TUE	9.1 Programme and progress of work	1	
			10.10.2023	WED	9.2 Programme and progress of work.	1	
			13.05.2023	SAT	9.3 Work study.	1	
			15.05.2023	MON	9.4 Work study.	1	
		3RD		16.05.2023	TUE	progress corrective measures.	1

3RD	17.05.2023	WED	progress corrective measures.	1	
			10. Safety Management In Construction (5P)	5	
	20.05.23	SAT	10.1 Importance of safety	1	
4TH	22.05.23	MON	works	1	
	23.05.23	TUE	scaffolding, formwork, fabrication and erection,	1	
	EXTRA CLASS			10.4 Development of safety consciousness.	1
				act, contract labour act.	1
				11.Role of Vulnerability Atlas of India in construction projects (6P)	6
				11.1 Introduction to Vulnerability Atlas of India, Concepts of natural hazards and disasters and vulnerability profile of India. Definition of disaster related terms.	1
				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.	1
				11.3 Wind / Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant measures.	1
				11.4 Flood hazard and vulnerability, Flood hazard and Flood prone areas of the country, General protection of habitants and flood resistant construction.	1
			11.5 Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps, Measures against Tsunami hazards..	1	
		11.6 Housing vulnerability risk tables and usage of vulnerability atlas of India, Inclusion of vulnerability atlas in Tender documents.	1		