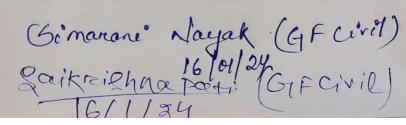
Discipline	Semester	Name of the factulty- Simarani Nayak & Saikrishna Pati
SUBJECT- CM	No. of Days per Week Class Alloted	Semester From Date: 16/01/2024 To Date:26/04/2024 No of Weeks:15
Week	Class Day-4	Theory Topics
		1 Introduction To Construction Management
		1.Introduction To Construction Management 1.1 Aims and objectives of construction management.
		1.2 Functions of construction management.
		1.3 The construction team components-
3rd week of jan	day 1,2,3	owner, engineer, architect, contractor-their functions and interrelationship
	007 2,2,5	and jurisdiction.
		1.4 Resources for construction management- men,machines,materials,money
		men,mes,materials,money
		2.Constructional Planning
		2.1 Importance of Construction Planning
		2.2 Developing work breakdown structure for construction work
		2.2 Construction Blancian to a
		2.3 Construction Planning stages-Pre-tender stage, Post-tender stage. 2.4 Construction scheduling by Bar charts-preparation of Bar Charts
4th week of jan	day 1,2,3	for simple construction works.
		2.5 Preparation of schedules for labour materials, machinery, finance for
1st week of feb	day 1,2	small works
		2.6 Limitation of Bar charts
		2.7 Construction scheduling by network techniques-defination 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.
		3. Materials and Stores Management
2nd week of feb	day 1,2,3	3.1 Classification of Stores-storage of stock.
		3.2 Issue of materials-indent , invoice, bin card
		4.Construction Site Management
		4.1 Job Lay out-Objectives, Review plans, specifications, Lay out of
rd week of feb	day 1,2,3	equipments.
th week of feb	day 1	4.2 Location of equipment, organizing labour at site.
		4.3 Job lay out for different construction sites.
		4.4 Principle of storing material at site.
		5. Construction Organization:
		5.1 Introduction – Characteristics, Structure, importance.
th & 5th week of feb	day 2,3 & day 1	5.2 Organization types-line and staff, functions and their characteristics
til & Stil Week of leb	00, 2,5 0 00, 1	5.3 Principles of organization- meaning and significance of terms- control
st week of march	day 1	authority, responsibility, job & task.
		5.4 Leadership-necessity, styles of leadership, role of leader
		5.5 Human relations-relations with subordinates, peers, Supervisors,
		characteristics of group behavior, mob psychology, handling of
		grievances, absenteeism, labour welfare.
		5.6 Conflicts in organization-genesis of conflicts, types-intrapersonal,
		interpersonal, intergroup, resolving conflicts.
	1 122	6.Construction Labour and Labour Management:
d week of march d week of march	day 1,2,3	6.1 Preparing Labour schedule
	day 1,2	6.2 Essential steps for optimum labour output
	The state of the s	6.3 Labour characteristics
		6.4 Wages & their payment



		6.6 Motivation- Classification of motives, different approaches to motivation.
ed l. of		7.Equipment Management
rd week of march	day 2,3	7.1 Preparing the equipment schedule
4th week of march	day 1	7.2 Identification of different alternative equipment
		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
		8.Quality Control
4th week of march	day 2,3	8.1 Concept of quality in construction
		8.2 Quality Standards- during construction, after construction,
5th week of march	day 1,2	destructive & non destructive methods.
		9.Monitoring Progress
		9.1 Programme and progress of work
5th week of march	day 2,3	9.2 Work study
and a state of the		9.3 Analysis and control of physical and financial progress corrective
1st week of april	day 1,2,3	measures.
		10.Safety Management In Construction
		10.1 Importance of safety
2nd week of april	day 1,2,3	10.2 causes and effects of accidents in construction works
		10.3 Safety measures in worksites for excavation, scaffolding, formwork,
		fabrication and erection, demolition.
		10.4 Development of safety consciousness
		10.5 Safety legislation- Workman's compensation act, contract labour act.
		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
3rd & 4th week of april	day 1.2.3 & day 1,2	measures.
		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.
		11.5 Landslides, Tsunamis and Thunderstorm hazards and vulnerability,
		Landslide & Thunderstorm incidence maps, Measures against Tsunami
		hazards. 11.6 Housing vulnerability risk tables and usage of vulnerability atlas of
		11.0 Housing vulnerability risk tables and usage of vulnerability atlas of

Bemarane Nayak (AFCIVIL)
Sceikrighna Poeti (GIFCIVIL)
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