



ACADEMIC LESSON PLAN FOR SUMMER SEMESTER JULY 2022 .

Deptt. Of Civil Engg. , Govt. Polytechnic ,Balasore.

Name of the Faculty : BIKASH KUMAR PATRA Lect.(CIVIL)

CONSTRUCTION MANAGEMENT

Course Code : TH-3
Theory : 4 P/W
Total Periods : 60 P/Sem
Examination : 3 Hours
Sem : 6th Civil

Class Test : 20 Marks
End Semester Exam : 80marks
TOTAL MARKS : 100 Marks
Start : 10th MARCH 2022

WEEK	PERIOD	TOPIC
1st	1 st	Introduction To Construction Management :Aims and objectives of construction management.
	2 nd	Functions of construction management.
	3 rd	The construction team components, owner, engineer, architect, contractor-their functions and interrelationship and jurisdiction.
	4 th	Resources for construction management- men, machines, materials, money
2nd	1 st	Constructional Planning :Importance of Construction Planning
	2 nd	Developing work breakdown structure for construction work ,Construction Planning stages-Pre-tender stage, Post-tender stage.
	3 rd	Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works.
	4 th	Preparation of schedules for labour materials, machinery, finance for small works.
3rd	1 st	Limitation of Bar charts
	2 nd	Construction scheduling by network techniques- definition of terms ,PERT and CPM techniques, advantages and disadvantages of two techniques.
	3 rd	network analysis, estimation of time and critical path, application of PERT and CPM techniques in sample construction works.
	4 th	Materials and Stores Management :Classification of Stores-storage of stock.
4th	1 st	Issue of materials-indent
	2 nd	invoice, bin card.
	3 rd	Construction Site Management :Job Lay out- Objectives, Review plans,
	4 th	specifications, Lay out of equipments.
5th	1 st	Location of equipment, organizing labour at site.
	2 nd	Job lay out for different construction sites.

Patra
29-03-22
Patra
31-03-22
Patra
31-03-22
Patra
07-04-22
Patra
17-04-22
Patra
21-04-22
Patra
21-04-22
Patra
05-05-22

	3 rd	Principle of storing material at site.
	4 th	Construction Organization: Introduction – Characteristics, Structure, importance
6th	1 st	Organization types-line and staff, functions and their characteristics
	2 nd	Principles of organization- meaning and significance of terms- control, authority, responsibility, job & task
	3 rd	Leadership-necessity, styles of leadership, role of leader
	4 th	Human relations-relations with subordinates, peers, Supervisors, characteristics of group behavior, mob psychology, handling of grievances, absenteeism, labour welfare.
7th	1 st	Conflicts in organization-genesis of conflicts, types-intrapersonal, interpersonal, intergroup, resolving conflicts.
	2 nd	Construction Labour and Labour Management: Preparing Labour schedule
	3 rd	Essential steps for optimum labour output.
	4 th	Labour characteristics
8th	1 st	Wages & their payment
	2 nd	Labour incentives
	3 rd	Motivation- Classification of motives, different approaches to motivation.