

LESSON PLAN-SUMMER 2023
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

Discipline- CIVIL DEPARTMENT	Semester-6TH	Name of teaching faculty-Prabhat K. Singh
Subject- CM	No class allotted/ per week -6	SEM From date- 14/02/2023 to 25/05/2023 No of weeks- 17
Week	Class day	Theory Topics
3RD	14-02-2023	Aims and objectives of construction management
	15-02-2023	Functions of construction management.
	16-02-2023	The construction team components-owner,engineer,architect,contractor their functions and interrelationship and jurisdiction.
	17-02-2023	Resources for construction management- men,machines,materials,money
4TH	20-02-2023	Importance of Construction Planning
	21-02-2023	Developing work breakdown structure for construction work
	22-02-2023	Construction Planning stages-Pre-tender stage, Post-tender stage.
	23-02-2023	Construction Planning stages-Pre-tender stage, Post-tender stage.
	24-02-2023	Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works.
	25-02-2023	Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works.
5TH	27-02-2023	Preparation of schedules for labour materials,machinery, finance for small works
	28-02-2023	Limitation of Bar charts
1ST	01-03-2023	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
	02-03-2023	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
	03-03-2023	Classification of Stores-storage of stock
	04-03-2023	Classification of Stores-storage of stock
2ND	06-03-2023	Issue of materials-indent , invoice, bin card
	07-03-2023	Issue of materials-indent , invoice, bin card
	09-03-2023	Job Lay out-Objectives, Review plans, specifications, Lay out of equipments
	10-03-2023	Job Lay out-Objectives, Review plans, specifications, Lay out of equipments
	11-03-2023	Location of equipment, organizing labour at site.
3RD	13-03-2023	Job lay out for different construction sites
	14-03-2023	Principle of storing material at site.
	15-03-2023	Introduction – Characteristics, Structure, importance
	16-03-2023	Organization types-line and staff, functions and their characteristics

	17-03-2023	Principles of organization- meaning and significance of terms- authority, responsibility, job & task.
	18-03-2023	Leadership-necessity, styles of leadership, role of leader
4TH	20-03-2023	Human relations-relations with subordinates, peers, Supervisors, characteristics of group behavior, mob psychology, handling of grievances, absenteeism, labour welfare
	21-03-2023	Human relations-relations with subordinates, peers, Supervisors, characteristics of group behavior, mob psychology, handling of grievances, absenteeism, labour welfare
	22-03-2023	Conflicts in organization-genesis of conflicts, types-intrapersonal, interpersonal, intergroup, resolving conflicts.
	23-03-2023	Preparing Labour schedule
	24-03-2023	Essential steps for optimum labour output
	25-03-2023	Labour characteristics
	5TH	27-03-2023
28-03-2023		Labour incentives
29-03-2023		Motivation- Classification of motives, different approaches to motivation.
30-03-2023		Preparing the equipment schedule
31-03-2023		7.2 Identification of different alternative equipment
1ST	01-04-2023	7.3 Importance of Owning & operating costs in making decisions for hiring & purchase of equipment
2ND	03-04-2023	7.3 Importance of Owning & operating costs in making decisions for hiring & purchase of equipment
	04-04-2023	7.4 Inspection and testing of equipment
	05-04-2023	7.5 Equipment maintenance
	06-04-2023	Concept of quality in construction
	07-04-2023	Concept of quality in construction
	08-04-2023	8.2 Quality Standards- during construction, after construction, destructive & non destructive methods
3RD	10-04-2023	8.2 Quality Standards- during construction, after construction, destructive & non destructive methods
	11-04-2023	8.2 Quality Standards- during construction, after construction, destructive & non destructive methods
	12-04-2023	Programme and progress of work
	13-04-2023	Work study
	14-04-2023	Work study
	15-04-2023	Analysis and control of physical and financial progress corrective measures.
4TH	17-04-2023	INTERNAL ASSESSMENT
	18-04-2023	INTERNAL ASSESSMENT
	19-04-2023	Importance of safety
	20-04-2023	Causes and effects of accidents in construction works
	21-04-2023	Safety measures in worksites for excavation, scaffolding, formwork, fabrication and erection, demolition.
	22-04-2023	Development of safety consciousness
	24-04-2023	Safety legislation- Workman's compensation act, contract labour act.
	25-04-2023	Safety legislation- Workman's compensation act, contract labour act.

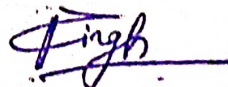
1ST

26-04-2023	Introduction to Vulnerability Atlas of India, Concepts of natural hazards and
27-04-2023	Introduction to Vulnerability Atlas of India, Concepts of natural hazards and
28-04-2023	disasters and vulnerability profile of India. Definition of disaster related
29-04-2023	disasters and vulnerability profile of India. Definition of disaster related
01-05-2023	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.
02-05-2023	Wind / Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant
03-05-2023	Wind / Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant
04-05-2023	Flood hazard and vulnerability, Flood hazard and Flood prone areas of the country. General protection of habitants and flood resistant construction.
05-05-2023	Flood hazard and vulnerability, Flood hazard and Flood prone areas of the country. General protection of habitants and flood resistant construction.
06-05-2023	Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps, Measures against Tsunami hazards.
08-05-2023	Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps, Measures against Tsunami hazards.
09-05-2023	Housing vulnerability risk tables and usage of vulnerability atlas of India, Inclusion of vulnerability atlas in Tender documents
10-05-2023	Housing vulnerability risk tables and usage of vulnerability atlas of India, Inclusion of vulnerability atlas in Tender documents
11-05-2023	Revision
12-05-2023	Revision
13-05-2023	Revision
15-05-2023	Revision
16-05-2023	Revision
17-05-2023	Revision
18-05-2023	Revision
19-05-2023	Revision
20-05-2023	Revision
22-05-2023	Revision

2ND

3RD

4TH



HOD

DEAN ACADEMIC

PRINCIPAL