

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING ,CUTTACK

DEPARTMENT OF CIVIL ENGINEERING

LESSON PLAN

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK

DEPARTMENT OF CIVIL ENGINEERING

LESSON PLAN

SUBJECT NAME : Construction Management

SEMESTER: 6th, B TOTAL PERIOD: 37

NAME OF TEACHING FACULTY:-CHINMAYEE SENAPATI

TOTAL NO OF WEEK: 12

CLASS ALLOTTED PER WEEK: 04

SESSION- 2020-21(SUMMER)

Weeks	Date /No of periods available	Topic to be covered	Topic actually covered	Shortfall if any	Reason of shortfall	How to make up	Remark/ signature
1st	23/04/2021	2 1.Introduction 1.1 Construction Management: Aims and Objectives 1.2 Characteristics of construction Management	1. introduction 1.1 construction management: Aims and objectives 1.2 characteristics of construction management				Chinmayee 23/04/2021
2nd	26/04/2021	1 1.3 Construction Team Components- Owner, Engineer,	1.3 Construction Team Components- owner, engineer, Architect,				Chinmayee 26/04/21

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		Architect, Contractor .	contractors .					
	28/04/2021	1	1.4 Team Component function and their relationship 1.5 Resources for construction management	1.4 Team Components function and their relationship 1.4.1 Duties and responsibilities of owner 1.4.3 Duties and responsibility of contractor, 1.4.4 duties & responsibility of architect	1.5 Resources for construction management .	Slower change due to online classes for better understanding of students	By taking extra classes Chinnoyee 28/4/21	
	30/04/2021	2	2 Constructional Planning 2.1 Importance of construction planning 2.2 Objectives of construction planning	1.5 Resources for construction management . 2. Construction planning	2.1 Importance of construction planning. 2.2 objectives of construction planning.	-DO-	-DO-	Chinnoyee 30/4/21
3rd	03/05/2021	1	2.3 Work break down structure: 2.3.1 Development of work break down structure 2.3.2 Purpose of work breakdown structure 2.4 Construction planning Stage: Pretender stage, Post tender stage	2.1 Importance of construction planning 2.2 objectives of construction planning.	2.3 work break down str. 2.3.1 devt of work breakdown str. 2.3.2 purpose of work breakdown str. 2.4 construction planning stage. pretender stage, post tender stage.	-DO-	-DO-	Chinnoyee 3/5/21
	05/05/2021	1	2.5 Construction scheduling by bar charts 2.6 Limitation of bar	2.3 work break down str. 2.3.1 devt of WBS	2.3.2 purpose of work breakdown str. 2.4 construction planning stage.	-DO-	-DO-	Chinnoyee 5/5/21

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		charts 2.7. Construction chedulling network technique		2.6 Limitation of bar charts 2.7 construction scheduling network technique.	slow for change to online details & update of student	By taking enter a class	
	07/05/2021	2 2.7.1 PERT and CPM technique 2.7.2 Advantages and disadvantages of PERT and CPM 2.7.3 Network analysis	2.3.2. purpose of WBS 2.4 const ⁿ planning stage predecessor stage, post tender stage. 2.5 construction scheduling by bar charts. 2.6 Limit ⁿ of bar charts	2.6 const ⁿ scheduling network tech. 2.7.1 PERT and CPM technique.	-do-	-do-	Chinmoyee 7/5/21
4th	10/05/2021	1 2.7.4 Estimation of time and critical path 3.1 Objectives of store management	2.7 construction scheduling network technique.	2.7.2. Advantage and disadvantage of PERT and CPM. 2.7.3 - Network analysis	-do-	-do-	Chinmoyee 10/5/21
	12/05/2021	1 3.1.1 Classification of stores 3.1.2 types of working sections of the stores 3.2 Issue of materials	2.7.1 - PERT and CPM technique	2.7.2. Advantage & disadvantage of PERT and CPM. 3.1 - objective of store management. 3.2 - ISSUE of material	-do-	-do-	Chinmoyee 12/5/21
5th	17/05/2021	1 3.2.1 what is indent 3.2.2 what is invoice 3.2.3 what is bin card	2.7.2. Advantages and disadvantages of PERT & CPM.	3.1.1 Class of stores 3.1.2 Types of working sect ⁿ	-do-	-do-	Chinmoyee 17/5/21

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			2.7.3 network analysis	3.2.1 what is indent 3.2.2 what is invoice. 3.2.3 what is bin card	Over online class JW teaching	By taking extra class	
19/05/2021	1	4.1 Job layout objective 4.1.1 Factors affecting job layout	2.7.4- Estn of time and critical path. 3.1- objective of store management	3.1.2- Types of working. 3.2.2- what is invoice. 3.2.3- what is bin card.	-DO-	-DO-	Chinnayee 19/5/21
21/05/2021	2	4.2 Organizing labor at site 4.2.1 Basic principles of equipment arrangement.	3.1.1. class of stores 3.1.2- Types of working section of the stores.	4.1- Job layout objective 4.2.1- Basic principles of equipment arrangement	-DO-	-DO-	Chinnayee 21/5/21
6th	24/05/2021	4.3 Principles of materials storing at site 5.1 Construction organization introduction 5.2 Types of organization	3.2 move of materials	3.2.1 what is indent 3.2.2 what is invoice. 3.2.3 what is bin card 4.1 Job layout objective 4.3-princip of material. 5.2-Types of organization	-DO-	-DO-	Chinnayee 24/5/21
	28/05/2021	5.2.1 line organization 5.2.2 line and staff organization 5.2.3 functional organization 5.3 Principles of organization 5.3.1 Meaning, significance of terms - control and responsibility	3.2.1- what is indent 3.2.2- what is invoice. 3.2.3 - what is bin card.	4.1- Job layout objective 4.1.1- Factors affecting Job layout. 4.2 - organizing labor at site. 4.3- principle of material storing at site. 5.3-principle of organ.	-DO-	-DO-	Chinnayee 28/5/21

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7th	31/05/2021	1	5.4 Leadership 5.4.1 Necessity of leadership 5.4.2 styles of leadership 5.4.3 role of leader	4.1 Job layout objective 4.1.1 Factors affecting Job layout.	4.2 organizing labor at site. 4.3-principles of materials at site. 5.2- Types of orgn. 5.3- principle of orgn. 5.4- Leadership.	Due online class's need teaching for better understanding	By taking extra class	Chinnoyee 31/5/21
8th	02/06/2021	1	5.5 Human relation 5.4.1 Relation with subordinates 5.4.2 Supervisors 5.4.3 Characteristics of group behaviour	4.2 organizing labor at site. 4.2.1 Basic principles of equipment arrangement	4.3 principle of material storing at site. 5.1- comm organ 5.4- Leadership. 5.4.1- reln with subordinates.	-DO-	-DO-	Chinnoyee 2/6/21
	04/06/2021	2	5.4.4 Mob psychology 5.4.5 Handling of grievance 5.4.6 labour welfare	4.3-principles of materials storing at site. 5.2-Types of orgn.	5.3-principles of orgn. 5.4- Leadership 5.4.4- Mob psychology 5.4.6- labour welfare.	-DO-	-DO-	Chinnoyee 4/6/21
9th	07/06/2021	1	5.6 conflicts in organization 5.6.1 types of conflict 6.1 Preparation of labour schedule	5.2.1 line orgn 5.2.3- Functional orgn.	5.3-1-Meaning significance of terms. 5.6-conflicts in orgn 6.1-Prepn of labor schedule.	-DO-	-DO-	Chinnoyee 7/6/21

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		6.2 Essential steps for optimum labour output			Due to online class	By doing extra class		
	09/06/2021	1	6.3 Labour characteristics 6.4 wages and their payment 6.5 Labour incentives 6.6 Motivation in an organization 6.6.1 Different approaches to motivation	5.3 principle of orgn. 5.3.1 meaning, significance of team control and responsibility.	5.4 Leadership. 5.6 conflicts in orgn. 6.1- prep of labour schedule 6.4- wages and their payment. 6.5- Labour incentives	-Do-	-Do-	Chinnoyee 9/6/21
	11/06/2021	2	7.1 Preparing of equipment schedule 7.2 Identification of different alternative equipment 7.3.2 Components of operating cost 7.4 Inspection and testing of equipment 7.4.1 types of inspection 7.5 Maintenance of equipment	5.4- Leadership. 5.4.1- Necessity of leadership 5.4.2- Styles and leadership 5.4.3- Role of leader. 5.4.4- Mob psychology 5.4.5 Handling of grievance. 5.4.6- Labour welfare.	5.6 conflicts in orgn. 6.6 motivation in an organization. 7.1 preparing of equipment schedule 7.4 inspection and testing 7.5 Maintenance of equipment.	-Do-	-Do-	Chinnoyee 11/6/21
10th	14/06/2021	1	8.1 Concept of quality management	5.6 conflicts in orgn.	6.3 Labor characteristics.	-Do-	-Do-	Chinnoyee 14/6/21

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		8.2 Quality standards 8.2.1 Required quality for construction material	6.1 Procurement of labour schedule. 6.2 Essential steps to get optimum labour output.	6.6 Motn in an organ. 7.4 inspection and testing of equipment. 8.2 Quality standards	2x 10 min. netion 10 min. netion - ching - better - ind - ing	By taking on line class	
	16/06/2021	1 9.1 Program and progress of work 9.1.1 steps to keep construction program 9.2 Construction work in progress	6.3 Labour characteristics 6.4 wages and their payment 6.6 Motn in an organ. 6.6.1 Diff. approaches to motn.	7.1 preparing of equipment 7.4 inspection and testing of equipment. 9.2 construction work in progress.	-DO-	-DO-	Chinmayee 16/6/21
	18/06/2021	2 9.2.1 Advantages and disadvantages of work in construction schedule 9.3 Corrective measures for financial control	7.1 preparing of equipment schedule. 7.4 inspection and testing of equipment.	7.5 maintenance of equipment. 8.2- quality standards 9.2- construction work in progress. 9.3- corrective measures for financial control.	-DO-	-DO-	Chinmayee 18/6/21
11th	21/06/2021	1 10.1 Importance of safety 10.2 causes and effect of accidents in construction works 10.3 Safety measures at worksites	7.4.1 Types of inspection 7.5 Maintenance of equipment.	8.1 concept of quality management. 9.1 programme and progress of work 9.3 corrective measures 10.3- safety measures.	-DO-	-DO-	Chinmayee 21/6/21
	23/06/2021	1 10.4 Development of safety consciousness	8.1 concept of quality management.	8.2.1 Required quality for construction material.	-DO-	-DO-	Chinmayee 23/6/21

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					DUETO ONLINE	BY JOURNLY ONLINE		
	25/06/2021	2	11.1 Concept of natural hazard and disaster 11.2 Definition of disaster related terms 11.2 Intensity scale of earthquake 11.2.2 Seismic zones 11.2.3 Types of structure and damageing classification 11.2.4 Effect in housing and resistant measures 11.3 Measures against Tsunami hazards	8.2.1 Required quality for construction materials. 9.1 programme and progne of work. 9.1.1 steps to keep construction programme.	9.2 conan work in progresa. 9.2 conator work in progresa. 9.3 coosective measures for financial control. 10.3 safety measures at worksites 11.3 measures against Tsunami hazards disaster.	-DO-	-DO-	Chinnoyee 25/6/21
12th	28/06/2021	1	Revision	9.2 conan work in progresa 9.2.1 Advantages and disadventages	9.3 coosective measures for financial control. 11.3 - measures against Tsunami hazards disaster	-DO-	-DO-	Chinnoyee 27/6/21
	30/06/2021	1	Class test	9.3 coosective measures for financial control.	10.1 Importance of safety 11.3 concept of natural hazard	-DO-	-DO-	Chinnoyee 30/6/21
13th	02/07/2021	2	10.1 Importance of safety 10.2 causes and effect of accidents in construction works	10.1 Importance of safety. 10.2 causes of effect of accidents in construction work	NIL.			Chinnoyee 2/7/21
14th	05/07/2021	1	10.3 Safety measures at worksites	10.3 safety measures at worksites	NIL.			Chinnoyee 5/7/21
	07/07/2021	1	10.4 Development of safety consciousness	10.4 development of safety consciousness	NIL.			Chinnoyee 7/7/21

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	09/07/2021	2	11.1 Concept of natural hazard and disaster	11.1 concept of natural hazard and disaster.	NIL.			Chinmayee 9/7/21
15th	12/07/2021	1	11.2 Intensity scale of earthquake 11.2.2 Seismic zones	11.2 intensity scale of earthquake. 11.2.2 seismic zones.	NIL.			Chinmayee 12/7/21
	14/07/2021	1	11.2.3 Types of structure and damageing classification	11.2.3 Types of str. and damageing classn.	NIL.			Chinmayee 14/7/21
	16/07/2021	2	11.2.4 Effect in housing and resistant measures	11.2.4 Effect on housing and resistant measur.	NIL.			Chinmayee 16/7/21
16th	19/07/2021	1	11.3 Measures against Tsunami hazards	11.3 measures against tsunami hazards	NIL.			Chinmayee 19/7/21
	21/07/2021	1	Revision	Revision	NIL.			Chinmayee 21/7/21
	23/07/2021	2	Revision	Revision	NIL.			Chinmayee 23/7/21
17th	26/07/2021	1	Revision	Revision	NIL.			Chinmayee 26/7/21
	28/07/2021	1	Revision	Revision	NIL.			Chinmayee 28/7/21
	30/07/2021	2	Class test	class test	NIL.			Chinmayee 30/7/21