

GANESH INSTITUTE OF ENGINEERING AND TECHNOLOGY, POLYTECHNIC									
NAME RAHUL ROSHAN PADHI					DEPARTMENT OF CIVIL ENGINEERING				
LESSON PLAN CUM PROGRESS REPORT									
SUBJECT: CONSTRUCTION MANAGEMENT (TH-4)				SEMESTER: 4 th			BRANCH: CIVIL ENGINEERING		
LECTURE NO.	CO	BTL	TOPIC TO BE COVERED	BOOK NAME	WEB REFERENCE IF ANY	TEACHING LEARNING METHOD	PLAN DATE	ACTION DATE	REVIEW BY HOD
1	CO1	1	Construction industry and management • Organization- objectives, principles of organization, types of organization: government/public and private construction industry.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/LxLWOYG7qYY?si=kAdkPOoO0M6FtlBq	CHALK & TALK	22-12-2025		
2	CO1	1	Role of various personnel in construction organization.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/LxLWOYG7qYY?si=WFZbLJ54jN7c6be3	CHALK & TALK	24-12-2025		
3	CO1	1	Agencies associated with construction work- owner promoter, builder, designer, architects.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/mn4e0pluIq?si=lx47OBUKAdUjTxaq	CHALK & TALK	26-12-2025		
4	CO1	2	Role of consultant for various activities	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/v6u9_2Ip6cY?si=QFZrH2Fmch3XQM3r	CHALK & TALK	29-12-2025		
5	CO1	2	Preparation of Detailed Project Report (DPR)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/OfDD4OzizSw?si=iCJx39GjlxJWeO-k	CHALK & TALK	31-12-2025		
6	CO1	3	Monitoring of progress and quality, settlement of disputes.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/pwv1Nu3TO4A?si=jF2MZvUbo0R3_j2e	CHALK & TALK, ASSIGNMENT-01	02-01-2026		
7	CO2	3	Site Layout • Principles governing site layout.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/pcEFs0BPEDc?si=Prgr_kYwM_aLpuMi	CHALK & TALK	05-01-2026		
8	CO2	3	Principles governing site layout.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/pcEFs0BPEDc?si=KRxpxb6DosPRbrw3	CHALK & TALK	07-01-2026		
9	CO2	2	Factors affecting site layout.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/DjTWv5e-XQE?si=QeWEC6-wUGF2sGct	CHALK & TALK	09-01-2026		
10	CO2	2	Factors affecting site layout.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/DjTWv5e-XQE?si=QeWEC6-wUGF2sGct	CHALK & TALK	12-01-2026		
11	CO2	1	Preparation of site layout.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/pcEFs0BPEDc?si=FxLa4-S_3qhUN0tt	CHALK & TALK	16-01-2026		
12	CO2	1	Preparation of site layout.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/pcEFs0BPEDc?si=FxLa4-S_3qhUN0tt	CHALK & TALK	19-01-2026		

13	CO2	1	Land acquisition procedures and providing compensation.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/zjNFo9GEVv8?si=pl aH1_vtIYkUsEtQ	CHALK & TALK	21-01-2026		
14	CO2	2	Land acquisition procedures and providing compensation.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/zjNFo9GEVv8?si=pl aH1_vtIYkUsEtQ	CHALK & TALK	28-01-2026		
15	CO3	1	Planning and scheduling Identifying broad activities in construction work & allotting time to it, Methods of Scheduling,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/tQxg5ndMvAs?si=W3PHNBvo-JPpbZun	CHALK & TALK	30-01-2026		
16	CO3	2	Development of bar charts, Merits & limitations of bar chart.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/KqFO2-2Guns?si=gi_88bk nhKQ6tGT	CHALK & TALK	02-02-2026		
17	CO3	1	Elements of Network: Event, activity, dummy activities,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/6SxiRNnD4FM?si=9lE16DWIALJPiXW s	CHALK & TALK	04-02-2026		
18	CO3	2	Precautions in drawing Network, Numbering the events.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/ljtGERVLF5U?si=nyqofA_JGFwFDTy	CHALK & TALK	06-02-2026		
19	CO3	1	CPM networks, activity time estimate, Event Times by forward & backward pass calculation,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/ljtGERVLF5U?si=ln c2FS1AntUSZUL9	CHALK & TALK	09-02-2026		
20	CO3	3	start and finish time of activity, project duration	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/4oDLMs11Exs?si=qI O3BMhOPtr1cQV s	CHALK & TALK	11-02-2026		
21	CO3	1	Floats: Types of Floats-Free, independent and total floats, critical activities and critical path,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/oil534Ylh0c?si=YxFU zBe2MrhuSx2t	CHALK & TALK	13-02-2026		
22	CO3	2	Purpose of crashing a network, Normal Time and Cost, Crash Time and Cost,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/vUMGvpsb8dc?si=rNB5a4Z2mzcwKPEJ	CHALK & TALK	16-02-2026		
23	CO3	1	Cost slope, Optimization of cost and duration.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/ffdUY99HKXo?si=4F3qlyfE5OEGb1kL	CHALK & TALK	18-02-2026		
24	CO3	2	Material Management- Ordering cost,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/ffdUY99HKXo?si=4F3qlyfE5OEGb1kL	CHALK & TALK	20-02-2026		
25	CO3	1	inventory carrying cost, Economic Order Quantity	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/GlaOXJGXomA?si=iz9iUJkA_0zKhBzZ	CHALK & TALK	23-02-2026		
26	CO3	2	Store management, various records related to store management,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/D22r0-QcaeU?si=Sa4ffcK b4gbQH86N	CHALK & TALK	25-02-2026		
27	CO3	1	inventory control by ABC technique,	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/eYrcLYtabms?si=vml cOrXhoRgivu13	CHALK & TALK	27-02-2026		

28	CO3	2	Introduction to material procurement through portals (e.g. www.inampro.nic.in).	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/2zyMXSDn1MA?si=XqWNI1vMuMAo7x4C	CHALK & TALK, ASSIGNMENT-02	02-03-2026		
29	CO3	2	Introduction to material procurement through portals (e.g. www.inampro.nic.in).	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/2zyMXSDn1MA?si=XqWNI1vMuMAo7x4C	CHALK & TALK	06-03-2026		
30	CO4	1	Construction Contracts and Specifications • Types of Construction contracts	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/q7vASzaZuU?si=FG6z0vSHGKkOkA2k	CHALK & TALK	09-03-2026		
31	CO4	3	Types of Construction contracts	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/dnBzC1maMu4?si=BAy8XzTTJGu24SFw	CHALK & TALK	11-03-2026		
32	CO4	2	Contract documents, specifications, general special conditions	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/I43fFSMVXgE?si=SZFrIQtWvjPwQCXV	CHALK & TALK	13-03-2026		
33	CO4	3	Contract documents, specifications, general special conditions	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/I43fFSMVXgE?si=SZFrIQtWvjPwQCXV	CHALK & TALK	16-03-2026		
34	CO4	3	Contract documents, specifications, general special conditions	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/I43fFSMVXgE?si=SZFrIQtWvjPwQCXV	CHALK & TALK	18-03-2026		
35	CO4	3	Contract Management, procedures involved in arbitration and settlement (Introductiononly)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/YLgmLv-w1A?si=kaYTzXOZ2IYlcjDa	CHALK & TALK	20-03-2026		
36	CO4	3	Contract Management, procedures involved in arbitration and settlement (Introductiononly)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/YLgmLv-w1A?si=kaYTzXOZ2IYlcjDa	CHALK & TALK	23-03-2026		
37	CO4	1	Contract Management, procedures involved in arbitration and settlement (Introductiononly)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/YLgmLv-w1A?si=kaYTzXOZ2IYlcjDa	CHALK & TALK	23-03-2026		
38	CO5	2	Safety in Construction • Safety in Construction Industry—Causes of Accidents, Remedial and Preventive Measures.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/dBf6BTX1bmM?si=3Zj9BsW4nOuW0tRC	CHALK & TALK	25-03-2026		
39	CO5	3	Safety in	S.C.SHARMA	https://youtu.be/dB	CHALK &	25-03-		

			Construction Industry—Causes of Accidents, Remedial and Preventive Measures.	/ B.C.PUNMIA	f6BTX1bmM?si=3Zj9BsW4nOuW0tRC	TALK	2026		
40	CO5	3	Safety in Construction Industry—Causes of Accidents, Remedial and Preventive Measures.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/73zfbMmXIPk?si=L YIOXWAScpddE1oS	CHALK & TALK	30-03-2026		
41	CO5	1	Safety in Construction Industry—Causes of Accidents, Remedial and Preventive Measures.	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/73zfbMmXIPk?si=L YIOXWAScpddE1oS	CHALK & TALK	06-04-2026		
42	CO5	1	Labour Laws and Acts pertaining to Civil construction activities (Introduction only)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/QcVPILsV84Q?si=xgGapM36FFuAZBnf	CHALK & TALK	06-04-2026		
43	CO5	1	Labour Laws and Acts pertaining to Civil construction activities (Introduction only)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/QcVPILsV84Q?si=xgGapM36FFuAZBnf	CHALK & TALK	08-04-2026		
44	CO5	2	Labour Laws and Acts pertaining to Civil construction activities (Introduction only)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/pZsi_-4Ns4Q?si=CEE-LUQBnsqZnrXK	CHALK & TALK	10-04-2026		
45	CO5	1	Labour Laws and Acts pertaining to Civil construction activities (Introduction only)	S.C.SHARMA / B.C.PUNMIA	https://youtu.be/pZsi_-4Ns4Q?si=CEE-LUQBnsqZnrXK	CHALK & TALK,	10-04-2026		

Principal

Faculty

HOD,CivilEngineering