

Lesson Plan & Work-done Diary for AY: 2026-27 ODD Semester

Course with Code: Estimation and Contract Management -BCV702				Faculty: Manu Vijay			Semester: 7 th , A section	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
Module-1								
1		Introduction to Syllabus	PPT			Introduction to Syllabus	PPT	
2		Various drawing attached with estimates, technical terms in estimation costing & Units of measurements	PPT			Various drawings are attached with estimates, technical terms in estimation costing & Units of measurements	PPT	
3		Estimate & Types of estimates	PPT			Estimate & Types of estimates	PPT	
4		Estimation of quantity in Single room	PPT			Estimation of quantity in Single room	PPT	
5		Estimation of quantity in double room (Same wall size)	Chalk & board			Estimation of quantity in double room (Same wall size)	Chalk & board	
6		Estimation of quantity in double room (Different wall size)	Chalk and board			Estimation of quantity in double room (Different wall size)	Chalk and board	
7		Estimation of quantity in a residential building	Chalk and board			Estimation of quantity in a residential building	Chalk and board	
8		Estimation of quantity in a residential building	Chalk and board			Estimation of quantity in a residential building	Chalk and board	
9		Estimation of quantity in a residential building	Chalk and board			Estimation of quantity in a residential building	Chalk and board	
10		Estimation of R.C.C Structure (Column & footing)	Chalk and board			Estimation of R.C.C Structure (Column & footing)	Chalk and board	

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MODULE-2								
11		Estimation of quantity in septic tank	Chalk and board			Estimation of quantity in septic tank	Chalk and board	
12		Estimation of quantity in septic tank with soak pit	Chalk and board			Estimation of quantity in septic tank with soak pit	Chalk and board	
13		Estimation of quantity in shallow Manhole	Chalk and board			Estimation of quantity in shallow Manhole	Chalk and board	
14		Estimation of quantity in Deep Manhole	Chalk and board			Estimation of quantity in Deep Manhole	Chalk and board	
15		Introduction to estimation of earthwork & Quantity estimation of earthwork using mid-section method	Chalk and board			Introduction to estimation of earthwork & Quantity estimation of earthwork using mid-section	Chalk and board	
16		Problem on Earthwork estimate in embankment	Chalk and board			Problem on Earthwork estimate in embankment	Chalk and board	
17		Problems on Earthwork estimate using Prismoid method	Chalk and board			Problems on Earthwork estimate using Prismoid method	Chalk and board	
18		Problem with Detailed estimate of steel truss	Chalk and board			Problem with Detailed estimate of steel truss	Chalk and board	
19		Problem with Detailed estimate of steel truss	Chalk and board			Problem with Detailed estimate of steel truss	Chalk and board	
20		Problem with Detailed estimate of steel trus	Chalk and board			Problem with Detailed estimate of steel trus	Chalk and board	

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MODULE-3								
21		Significance of Microsoft Excel in estimation	PPT			Significance of Microsoft Excel in estimation	PPT	
22		Significance of Microsoft Excel in estimation	PPT			Significance of Microsoft Excel in estimation	PPT	
23		Introduction to specifications & its types	PPT			Introduction to specifications & its types	PPT	
24		Detailed specifications of construction Materials	PPT			Detailed specifications of construction Materials	PPT	
25		Detailed specifications of construction works	PPT			Detailed specifications of construction works	PPT	
26		Detailed specifications of construction work	PPT			Detailed specifications of construction work	PPT	
27		Detailed specifications of construction work	PPT			Detailed specifications of construction work	PPT	
28		Specifications of aluminum and wooden partitions	PPT			Specifications of aluminum and wooden partitions	PPT	
29		Specifications of false ceiling, aluminum and fiber doors and windows	PPT			Specifications of false ceiling, aluminum and fiber doors and windows	PPT	
30		Specifications of Various types of claddings.	PPT			Specifications of Various types of claddings.	PPT	

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MODULE-4								
31		Contract Management-Tender and its Process: Invitation to tender,	PPT			Contract Management-Tender and its Process: Invitation to	PPT	
32		Approval & Technical sanction	PPT			Approval & Technical sanction	PPT	
33		Bid submission and Evaluation process. Contract Formulation:	PPT			Bid submission and Evaluation process. Contract Formulation:	PPT	
34		Award of contract, letter of acceptance and notice to proceed	PPT			Award of contract, letter of acceptance and notice to proceed	PPT	
35		Features / elements of standard Tender	PPT			Features / elements of standard Tender	PPT	
36		Law of Contract as per Indian Contract act 1872,	PPT			Law of Contract as per Indian Contract act 1872,	PPT	
37		Types of Contracts, Joint venture. Contract Forms	PPT			Types of Contracts, Joint venture.	PPT	
38		FIDIC contract Forms	PPT			FIDIC contract Forms	PPT	
39		CPWD,	PPT			CPWD,	PPT	
40		CPWD, NHAI, NTPC, NHEPC	PPT			CPWD, NHAI, NTPC, NHEPC	PPT	

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MODULE-5								
41		Contract Management-Post award: Basic understanding on definitions, Performance security, Mobilization	PPT			Contract Management-Post award: Basic understanding on definitions, Performance security, Mobilization	PPT	
42		and equipment advances, Secured Advance, Suspension of work, Time limit for completion, Liquidated	PPT			and equipment advances, Secured Advance, Suspension of work, Time limit for completion, Liquidated	PPT	
43		damages and bonus, measurement and payment, additions and alterations or variations and deviations	PPT			damages and bonus, measurement and payment, additions and alterations or variations and deviations	PPT	
44		breach of contract, Escalation, settlement of account or final payment, claims, Delay's and Compensation, Disputes	PPT			breach of contract, Escalation, settlement of account or final payment, claims, Delay's and Compensation, Disputes	PPT	
45		Contract management and administration	PPT			Contract management and administration	PPT	
46		Valuation: Definitions of terms used in valuation process, Purpose of valuation, Cost, Estimate, Value and i	PPT			Valuation: Definitions of terms used in valuation process, Purpose of valuation, Cost, Estimate, Value and i	PPT	
47		Capitalized value. Freehold and lease hold and easement, Sinking fund, depreciation	PPT			Capitalized value. Freehold and lease hold and easement, Sinking fund, depreciation	PPT	
48		Outgoings, Process and methods of valuation: Rent fixation, valuation for	PPT			Outgoings, Process and methods of valuation: Rent fixation, valuation for	Chalk and board	
49		valuation of land	PPT			valuation of land	Chalk and	
50		Problems on above	PPT			Problems on above	Chalk and	

		Planned	Actual	Remarks
1	Theory Classes	50	55	
2	Assignments/ Quizzes/ Self-study	2/5	2/5	-
3	Tutorials/ Extra classes	-	-	-
4	Internal Assessments	3	3	-
5	ICT based Teaching (% of usage in Curriculum)	40%	40%	-
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	