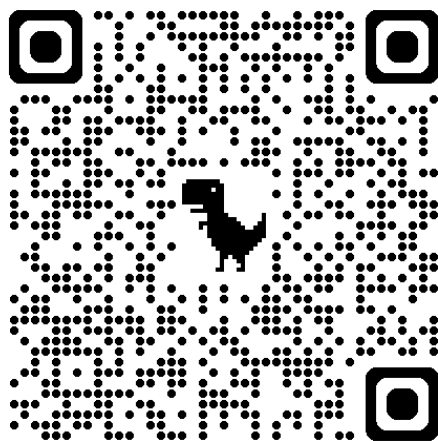


Academic Enrichment & Skill Building through Timely Assignment Writing and Active Learning

Department of Civil Engineering
B.Tech – Semester VI

Subject: 3160614 _Contracts Management



QR for tutorial manual

Key Importance points of Writing Tutorials

Sr. No.	Key points	WK Profile	PO Mapping	PSO Mapping
1	Improves understanding of contract fundamentals and legal provisions used in civil projects	WK3, WK4	PO1	PSO1
2	Develops analytical ability to handle delays, claims, and termination in infrastructure works	WK1–WK4	PO2	PSO1
3	Helps in selecting appropriate contract types (Lump sum, EPC, BOT, PPP) for projects	WK4, WK5	PO3	PSO1, PSO3
4	Builds research orientation through CPWD manuals, standards, and case studies	WK8	PO4, PO11	PSO3
5	Enhances use of management tools for tendering, bidding, and risk analysis	WK2, WK6	PO5	PSO2
6	Creates awareness of sustainability, legal responsibility, and societal impact of contracts	WK5, WK7	PO6	PSO1

Sr. No.	Key points	WK Profile	PO Mapping	PSO Mapping
7	Strengthens ethical conduct in tendering, contract administration, and dispute handling	WK9	PO7	PSO1
8	Improves teamwork and coordination skills through group assignments	WK6	PO8	PSO2
9	Develops professional technical writing and presentation skills	WK1, WK4	PO9	PSO2
10	Encourages project management skills, entrepreneurship, and readiness for higher studies	WK5, WK8	PO10, PO11	PSO3

Detailed Seminar Topic

Sr. No.	Title	Key Coverage (for students)	Mapped CO(s)
1	Legal Framework of Construction Contracts in India	Indian Contract Act 1872, essentials of valid contract, legal enforceability, breach & termination with construction examples	CO1
2	Characteristics of a Good Construction Contract & Common Legal Issues	Clarity, risk allocation, completeness, disputes due to poor drafting, real project illustrations	CO1
3	Stakeholders in Construction Contracts and Their Roles	Client, contractor, consultant, subcontractor, government agencies, stakeholder responsibilities	CO1, CO4
4	Comparative Study of Traditional Construction Contracts	Lump sum, fixed price, percentage rate & cost-plus contracts - suitability and limitations	CO2
5	Modern Construction Contracting Methods	Target contracts, Design-Build, Turnkey & BOT contracts with Indian case studies	CO2
6	Contract Formation and Critical Contract Clauses	Notice to proceed, rights & duties, contract price, duration, termination clauses	CO2, CO3
7	Tendering Process in Construction Projects	Tender notice, EOI, RFQ, RFP, pre-qualification, bidding models & strategy	CO3

Sr. No.	Title	Key Coverage (for students)	Mapped CO(s)
8	Tender Evaluation, Securities and Performance Parameters	Bid security, evaluation methods, performance guarantee, defect liability, LDs, force majeure	CO3
9	Conditions of Contract and Contractual Claims	General & special conditions, payments, delays, scope change, extra items, subcontracting	CO4
10	Contract Administration, Risk Management and Dispute Resolution	Contract administration process, risk management, negotiation & mediation	CO4

Suggested Seminar Presentation Structure (for students)

Each seminar may follow:

1. Introduction & relevance
2. Concept explanation (as per syllabus)
3. Flowchart / diagram / table
4. Real project or CPWD / Indian example
5. Key learning outcomes
6. Conclusion

Evaluation Criteria & Rubric

Sr. No.	Evaluation Parameter	CO Mapping	RBT	Excellent (4)	Good (3)	Average (2)	Poor (1)	Max Marks
1	Understanding of Topic & Concepts	CO1, CO2	U	Clear understanding, concepts explained accurately with examples	Concepts mostly clear, minor gaps	Partial understanding, limited clarity	Poor understanding, incorrect concepts	4
2	Application to Construction Practice	CO2, CO3	A	Excellent application with real project/CPWD examples	Good application with some examples	Limited application, mostly theoretical	No practical application	4
3	Analysis & Critical Thinking	CO3, CO4	N	Logical analysis, comparison, or problem identification	Some analysis evident	Minimal analysis	No analysis	4
4	Presentation & Communication Skills	CO4	U	Well-structured, confident delivery, effective visuals	Good structure and clarity	Average delivery, weak visuals	Poor organization and communication	4
5	Response to Questions & Time Management	CO1-CO4	E	Accurate responses, effective time management	Minor errors in responses	Difficulty answering questions	Unable to answer questions	4

Prepared by: Prof.J.N.BHOJAWALA