



GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelor of Engineering

Subject Code : N115AU01

Subject Name : Prevention & Resolution of Construction Disputes

WEF Academic Year :	2025-26
Semester:	V
Category of the Course :	Minor

Prerequisite :	
Rationale :	Construction disputes can be incredibly costly, time-consuming, and detrimental to all parties involved. The rationale for both the prevention and resolution of construction disputes focuses on minimizing negative impacts, ensuring project efficiency, and maintaining professional relationships. Effective resolution of disputes ensures continuation of project work with minimal interruption.

Course Scheme : Prevention & Resolution of Construction Disputes

Teaching Scheme			Total Credits	Assessment Pattern and Marks				Total Marks
L	T	PR	C	Theory		Practical		
				ESE (E)	PA(M)	ESE (V)	PA (I)	
3	0	2	4	70	-	30	-	100

Course Content :

Sr. No.	Course Content	No. of Hours	% of Weightage
1	Contract and Construction Process : Introduction, agreement between parties, drawings and specifications, various types of contracts, contracting and sub-contracting, construction documents; approval, acceptance and certificates.	6	10
2	Evolution of disputes: Causes of differences and disputes such as contractual and business relations, when making decisions about the choice of method to be used for construction, differing site conditions, contract interpretation and requirements of contract specifications, delay in constructions, delays in fund allocation, extra and variations, breach of contract, termination of contract	12	25
3	Dispute Resolution: Relevant laws, dispute resolution board, regulations and procedures for the resolution of disputes, alternate dispute resolutions, dispute prevention	6	20



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4	Legal concerns after contract/construction failure: Litigation and dispute resolutions, Process of arbitration, mediation, litigation and adjudication in the construction context	12	25
5	Solutions to complex construction dispute cases both orally and in writing- appointment of third party expert consultants and witness, Negotiations	6	20
	Total	42	100

Reference Book :

1. Construction Contract Claims, Changes and Dispute Resolution by Paul Levin, ASCE.
2. Construction Claims, Prevention and Resolution by Robert A. Rubin, Virginia Fairweather, Sammie D. Guy, John Wiley & Sons.
3. Building and Engineering contracts by B. D. Virmani.
4. Building and Engineering Contracts Law and Practice by P. C. Markanda.
5. Construction Project Management by Kumar Neeraj Jha.
6. The Arbitrations and conciliation Act, 1996.
7. Interpretation of Contract by M. A. Sujan.
8. "Construction Dispute Resolution Handbook" by Peter Campbell and Robert F. Cushman

Course Outcome :

After Completion of the Course, Student will able to :

No	Course Outcomes	RBT Level*
01	Identify the procedure of dispute resolution.	RM/UN
02	Examine the implications involved in process related to dispute solving.	AN
03	Assess the complexity of the dispute case in construction	EI

*RM: Remember, UN: Understand, AP: Apply, AN: Analyze, EL: Evaluate, CR: Create



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Suggested Course Practical List :

1. Prepare a presentation describing the major findings from any technical paper that discusses the Dispute prevention and resolution in Construction projects.
2. Preparation of contract documents for different types of contracts
3. Case study- Faulty construction, Construction failures, Construction disputes
4. Dispute prevention measures
5. Case study- litigation, Arbitration, Mediation
6. Types of notices and applicable penal codes.

List of Laboratory/Learning Resources Required :

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