



DEPARTMENT OF CIVIL ENGINEERING

COURSE PLAN – PART I			
Name of the programme and specialization	M.Tech - Construction Technology & Management		
Course Title	CONTRACTS AND SPECIFICATIONS		
Course Code	CE755	No. of Credits	3
Course Code of Pre-requisite subject(s)	NIL	Semester	I
Session	July 2021	Section (if, applicable)	NA
Name of Faculty	K.SHENBAGAVALLI	Department	CIVIL ENGINEERING
Official Email	<a href="mailto:kshenba@nitt.edu">kshenba@nitt.edu</a>	Telephone No.	7339072500
Name of Course Coordinator(s) (if, applicable)	-		
Official E-mail	-	Telephone No.	-
Course Type	Core course		
Syllabus (approved in BoS)			
<p>Comprehensive study of different types of Tenders, Applications to various works;            Type of contracts, Problems in the operation of contracts;            Claims and disputes; Arbitration case studies;            Professional practices, ethics, duties and responsibilities;            Construction specifications – standard specifications, development, interpretation</p>			
COURSE OBJECTIVES			
<p>To familiarize the student with the various parts and aspects of compiling a complete set of Construction Documents.            Select the most suitable method for preparation of the technical specification.            Design the contract to mitigate the risks of conflict and select the most appropriate contract strategy.            Learn contract administration such as claims and disputes, potential possibilities and resolution of disputes, change orders and progress payments.</p>			
Course Outcomes (CO)			
<p>On completion of the course, the students will be able to:            Review and compile a contract document in a logical manner as used in the trade.            Recognize the potential legal issues and possibilities of construction disputes.            Utilize Indian contract act and its provision to implement contract administration.</p>			
COURSE PLAN – PART II			
COURSE OVERVIEW			
<p>This course introduces the students about the various types of tenders, contracts, their documentation, dispute resolution, claims, arbitration and ethics as per Indian Contract Act.</p>			



<b>COURSE TEACHING AND LEARNING ACTIVITIES</b>			
<b>S.No.</b>	<b>Schedule (3 Hours/Week)</b>	<b>Topic</b>	<b>Mode of Delivery</b>
1	Week1	Introduction to Contract Administration and Contracting Process	Lecture by PPT
2	Week 2	Tenders- Types, Process and Notice Inviting Tenders – Pre qualification	
3	Week 3	Tendering –Prequalification and Conditions in Tenders (General & Special)	
4	Week 4	Tendering for Various Works	
5	Week 5	Introduction to Construction Specification	
6	Week 6	Construction Specification, development and interpretation	
7	Week 7	Types of Contracts and study of Contract Documents of various projects	
8	Week 8	Mid Assessment	
9	Week 9	Claims and Disputes; Indian Contract Act 1872	
10	Week 10	Contract Document Preparation – Assignment	
11	Week 11	Claims and Disputes; Indian Contract Act 1872	
12	Week 12	Claims and Disputes - Resolution Indian Contract Act 1872	
13	Week 13	Arbitration Process – Case Studies	
14	Week 14	Arbitration Process – Case Studies – Student Activity	
15	Week 15	Professional practices, ethics, duties and responsibilities	



<b>COURSE ASSESSMENT METHODS</b>			
<b>S.No.</b>	<b>Mode of Assessment</b>	<b>Duration</b>	<b>% Weightage</b>
1.	Mid Assessment	1.5 hr	30
2.	Assignment	-	20
3.	Student Seminar	-	20
4.	Final Assessment As per Schedule	2 hrs	30
CPA	Compensation Assessment* (if necessary)		
<b>TEXT / REFERENCES:</b>			
<ul style="list-style-type: none"> <li>• Gajaria G.T., "<i>Laws Relating to Building and Engineering Contracts in India</i>".</li> <li>• Jimmie Hinze, "<i>Construction Contracts</i>", McGraw Hill, 2001.</li> <li>• Joseph T. Bockrath, "<i>Contracts and the Legal Environment for Engineers and Architects</i>", McGraw Hill, 2000.</li> <li>• Kwaku, A., Tenah, P.E. Jose M.Guevara, P.E., "<i>Fundamentals of Construction Management and Organisation</i>", Printice Hall, 1985, M.M.Tripathi Private Ltd., Bombay, 1982.</li> <li>• Patil. B.S, "<i>Civil Engineering Contracts and Estimates</i>", Universities Press (India) Private Limited, 2006.</li> </ul>			
<b>COURSE EXIT SURVEY</b>			
<ul style="list-style-type: none"> <li>• Direct feedback from the students by face-to-face meeting individually and as the class as a whole. Feedback from the students during class committee meetings. Exit survey from the students at the end of the session</li> </ul>			
<b>COURSE POLICY</b>			
<ul style="list-style-type: none"> <li>• Attending all the assessments (Assessment 1 to 4) is MANDATORY for every student.</li> <li>• If any student is not able to attend Assessment-1 / Assessment-2 due to genuine reason, student is permitted to attend the respective assessment as compensation assessment (CPA) with the same weightage. Prior permission and required document must be submitted for absence.</li> <li>• At any case, CPA will not be considered as an improvement test. A minimum of 30% should be scored in the end assessment for a pass.</li> <li>• Every student is expected to score minimum 40% to pass the course. Otherwise the student would be declared fail and 'F' grade will be awarded</li> </ul>			
<b><u>ATTENDANCE POLICY</u></b> (A uniform attendance policy as specified below shall be followed)			
<ul style="list-style-type: none"> <li>➤ At least 75% attendance in each course is mandatory.</li> <li>➤ A maximum of 10% shall be allowed under On Duty (OD) category.</li> <li>➤ Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.</li> </ul>			
<b><u>ACADEMIC DISHONESTY &amp; PLAGIARISM</u></b>			



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- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.
- The above policy against academic dishonesty shall be applicable for all the programmes.

**FOR APPROVAL**

Course Faculty

*K. Shanmugaselvi*

CC- Chairperson

*Nisha*

HOD

*G. J.*  
Head  
Department of Civil Engineering  
National Institute of Technology  
Tiruchirappalli - 620 015.



**Guidelines**

- a) The number of assessments for any theory course shall range from 4 to 6.
- b) Every theory course shall have a final assessment on the entire syllabus with at least 30% weightage.
- c) One compensation assessment for absentees in assessments (other than final assessment) is mandatory. Only genuine cases of absence shall be considered.
- d) The passing minimum shall be as per the regulations.

B.Tech. Admitted in				P.G.
2018	2017	2016	2015	
35% or (Class average/2) whichever is greater.		(Peak/3) or (Class Average/2) whichever is lower		40%

- e) Attendance policy and the policy on academic dishonesty & plagiarism by students are uniform for all the courses.
- f) Absolute grading policy shall be incorporated if the number of students per course is less than 10.
- g) Necessary care shall be taken to ensure that the course plan is reasonable and is objective.