

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE (CIVIL AND INFRASTRUCTURE ENGINEERING)**  
 Infrastructure Policies and Regulations  
 SUBJECT CODE: 2174004  
 B.E. 8<sup>th</sup> SEMESTER

Type of Course: **Department Elective**

Prerequisite: **NIL**

**Teaching and Examination Scheme**

Teaching Scheme			Credits	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
			ESE	PA(M)	Viva	PA (I)		
3	2	0	5	70	30	30	20	150

**Course Contents**

Sr. No.	Topics	Hrs.	% Weightage
1	<b>Legal and Policy Aspects:</b> Constitutional law-allocation of jurisdiction over different infrastructure sectors between the Centre and State, Role of Centre and State in policy formulation, Central funding of infrastructure projects, Central oversight and interference, Legal framework for private sector participation – modes of Public Private Partnership (PPP)-	10	25
2	<b>Legal context of infrastructure business:</b> Environmental Aspects - environmental regulation and guidelines- Coastal Zone Regulation- Forest (Conservation) Act -Environmental Impact Assessment, Role of judiciary. Land acquisition aspects: Legal framework for land acquisition, rehabilitation & resettlement	8	20
3	<b>Independent Regulators:</b> Independent regulation-Structure of regulators in different sectors-scope and functions-regulatory process-and regulatory autonomy and accountability	6	15
4	<b>Infrastructure Sectorial polices, reforms, and laws:</b> Roads/Transport, Ports, Airports, Health, Energy and Real Estate, etc.	16	40
	<b>Total</b>	<b>40</b>	<b>100</b>

**Reference Book(s)**

1. Piyush Joshi(2003), Law Relating to Infrastructure Projects, New Delhi: Butterworths.

2. S K Sarkar, Leena Srivastava (ed), (2002), Reforms in the Infrastructure Sectors: Next Steps, New Delhi: TERI .
3. SK Sarkar, Leena Srivastava (ed) (1999), Transition to a liberalized environment: experiences and issues in regulation, New Delhi: TERI.
4. S Sundar & SK Sarkar (2000), Framework for Infrastructure Regulation, New Delhi: TERI.
5. Sidney Shapiro & Joseph Tomain,(2003), Regulatory law and policy: Cases and Materials LexisNexis.
6. LARR (Amendment) Act 2015 – Government of India
7. THE ENVIRONMENT (PROTECTION) ACT, 1986
8. The Real-estate (Regulation and Development) Act 2016

### **Course Outcome**

1. Ability to recognize the importance of law and legal institutions in infrastructure
2. Ability to understand the reforms in various infrastructure sectors
3. Ability to recognize the independent regulatory structures and their role infrastructure development through private participation.

### **List of Tutorials**

Tutorials will be mainly based on study of infrastructure project development and its operation (of various sectors) and write report based on the context of various related acts/regulation and report writing.

### **Suggested Specification table with Marks (Theory):**

<b>Distribution of Theory Marks</b>					
<b>R Level</b>	<b>U Level</b>	<b>A Level</b>	<b>N</b>	<b>E Level</b>	<b>C</b>
<b>10</b>	<b>25</b>	<b>25</b>	<b>20</b>	<b>10</b>	<b>10</b>

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create and above

### **List of Open Source Software/learning website: [www.nptel.iitm.ac.in/courses/](http://www.nptel.iitm.ac.in/courses/)**

**Active learning Assignments (AL) :** Preparation of power-point slides, which include videos, animations, pictures, graphics for better understanding theory and practical work – The faculty will allocate chapters/ parts of chapters to groups of students so that the entire syllabus to be covered. The Power-point slides should be put up on the web-site of the College/ Institute, along with the names of the students of the group, the name of the faculty, Department and College on the first slide. The best three works should submit to GTU.