

GUJARAT TECHNOLOGICAL UNIVERSITY
Metropolitan Planning, Development and Management
SUBJECT CODE: 1075511
B.PLAN 7th SEMESTER

Aim: To study Basic Characteristics and Planning Approach to Metropolitan Cities and their Respective Regions.

Objective:

1. To understand the Process of Metropolitanization and Evolution of Metropolitan Cities and their respective Regions using Case Studies.
2. To introduce the Techniques of Delineation of Metropolitan Regions and study their Structure, Form and Characteristics with the help of Case Studies.

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks
L	T	P	C	Theory Marks		Practical Marks		
				ESE (E)	PA (M)	VIVA (V)	PA(I)	
2	0	0	2	50	50	0	0	100

L- Lectures; T- Tutorial/Teacher Guided Student Activity/Field work; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment.

Content:

Sr. No.	Content	Total Hrs
Unit – 1	Metropolis and Metropolitanisation Introduction to metropolis and related concepts, growth and scale; Complexities: social, economic, physical and administrative; Metropolitanisation in India: general trends and distribution; Issues and problems in metropolitan planning and development	6
Unit – 2	Metropolises and its Region Area of influence, service area of a metropolis; Metropolis as a primate city; Concept of degree of primacy; Metropolitan region and delineation techniques; Metropolitan regional structures: characteristics, components and spatial patterns	8
Unit - 3	Forms Metropolitan centralization and decentralization processes; Concepts of ring and satellite towns, counter-magnets; Forms and concepts for metropolitan	8

	planning and development: Sheet, Galaxy, Core, Star, Ring and Multi-nucleated; Merits and demerits; Efficient functioning of metropolis	
Unit - 4	Metropolitan Planning, Development and Management Strategy Legislations influencing planning at regional level Gujarat Province Municipal corporation act, GTPUD act, SIR Act and other relevant acts etc; Metropolitan planning: spatial planning studies and surveys; Concepts and techniques of preparation of metropolitan city plans; Metropolitan planning, development and management strategies at regional and settlement levels; Tools and constraints in the implementation of metropolitan development plan in terms of administration, legal and financial aspects; Role and function of public participation.	4
Unit – 5	Case Studies in Metropolitan Planning and Development Metropolitan planning, development and management in India; Appraisal of planning and development efforts in case of some of the metropolises, viz. Kolkata, Mumbai, Delhi and Chennai, etc	10
	Total no. of hours	36

Reference Books:

Text / Reference Books:				
S. No.	Name of Authors	Titles of the Book	Edition	Name of the Publisher
1.	ITPI	City and Metropolitan Planning and Design		ITPI, New Delhi
2.	Ramachandran, R.	Urbanization and Urban Systems in India	1998	Oxford University Press, New Delhi
3	Bawa, V.K. Indian	Metropolis: Urbanization, Planning and Management	1987	Inter-India Publications, New Delhi
4	MMRDA	Madras 2011: A New Perspective for Metropolitan Management	1991	MMRDA, Chennai
5	NCRPB	Regional Plan 2021	2005	NCRPB, New Delhi

6	DDA	Master Plan for Delhi – 2021	2010	DDA, New Delhi
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Course Outcome:

List of Exercises / Practicals:	
1	Visit to office of Metropolitan Development Authority and submit Report.
List of Assignments/Tests:	
1	Test on Unit 1 and Unit 2.
2	Case study based Assignment on Unit 4 or Unit 5.