



Lok Jagruti Kendra University
University with a Difference

Diploma in Architectural Assistantship



Course Code:025080504

Town Planning

Programme / Branch Name		Diploma in Architectural Assistantship				
Course Name	Town Planning				Course Code	025080504
Course Type	HSSC	BSC	ESC	PCC	OEC	PEC

Legends: HSSC: Humanities and Social Sciences Courses
ESC: Engineering Science Courses
OEC: Open Elective Courses

BSC: Basic Science Courses
PCC: Program Core Courses
PEC: Program Elective Courses

1. Teaching and Evaluation Scheme

Teaching Hours / Week / Credits				Evaluation Scheme			
L	T	P	Total Credit	CCE	SEE (Th)	SEE (Pr)	TOTAL
2	0	0	2	50	50	-	100

Legends:

L: Lectures T: Tutorial P: Practical
CCE: Continuous & Comprehensive Evaluation
SEE (Th): Semester End Evaluation (Theory)
SEE (Pr): Semester End Evaluation (Practical)

2. Prerequisites

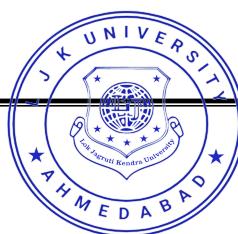
- ✓ Design architectural projects concerning town planning rules and regulations.

3. Rationale

A properly planned town infrastructure helps in utilizing the land's capability and resources to their maximum. These structures include schools, hospitals, markets, parks, etc. Town residents seek that all the facilities are in most nearby locations. The town planning includes all these things and a suitable selection of land area which is most appropriate for the residential, good environment, location and connecting distance with the roads & highways. The student must have insight knowledge about city planning leading towards the development of a modern town. The course will provide a practical understanding of the basic planning of urban region and the built environment and their applications and relationships to the planning and management of urban and regional environments and associated land use.

4. Objectives

- ✓ Appreciate town planning schemes.
- ✓ Explain the tools of town planning.
- ✓ Explain different components of town and their effect on town planning.
- ✓ Describe the facts relating to the industrial areas of a town.
- ✓ Describe the aspects involved in a development plan.
- ✓ Demonstrate different features of traffic management.
- ✓ Apply land-use regulation for planning issues.



5. Contents

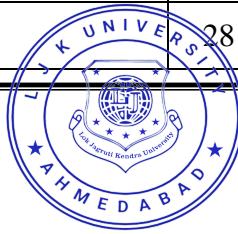
Unit No.	Unit Name	Topics	Learning Outcomes	% Weightage	Hours
1.	Introduction	1.1. Evolution, objects, principles, and necessity of town planning 1.2. Origin of town, growth of towns, stages in town development, forms of planning, and site for an ideal town 1.3. Distribution of land uses 1.4. Land use planning	<ul style="list-style-type: none"> Clarify the various aspects related to town planning. Explain the tools of town planning. 	22	06
2.	Planning of Modern Town	2.1. Features embodied in a modern town plan 2.2. Definition and concept of zoning 2.3. Objects, principles and advantages of zoning 2.4. Aspects of zoning 2.5. Town planning schemes	<ul style="list-style-type: none"> Explain the features of a modern town plan. Provide the various features of zoning. Develop awareness of town planning schemes. 	18	04
3.	Town Components	3.1. Importance of housing 3.2. Factors to be considered while selecting a building site 3.3. Aspects of designing residential areas 3.4. Causes, characteristics, and effects of slums 3.5. Types of recreation 3.6. Green belt, location of urban green spaces, and classification of parks 3.7. Classification & requirements of industries, concentration, and sitting of industries and measures to control the location of industries 3.8. Factors to be examined while site selection of public buildings 3.9. Classification and principles of design of public buildings and town centers	<ul style="list-style-type: none"> Explain various aspects of housing. Clarify various features of open spaces. Describe the facts relating to the industrial areas of a town. Explain different aspects of public buildings with an emphasis on the town center. 	28	08



4.	Development Plan	4.1. Concepts, objects and necessity and features of development plan 4.2. Data to be collected and drawings to be prepared 4.3. Stages of preparation of development plan. 4.4. Master plan of Gandhinagar & Chandigarh	<ul style="list-style-type: none"> Describe the aspects involved in development plan. Demonstrate the planning of Gandhinagar with the help of a neat sketch. 	12	04
5.	Urban Roads & Traffic Management	5.1. Objects & requirements of a good city road 5.2. Factors to be considered while designing town road 5.3. Classification of urban roads 5.4. Principles relating to road aesthetics 5.5. Types of street systems 5.6. Types of roads such as through and bypass, ring roads, expressways, freeways, etc 5.7. Objects of traffic management 5.8. Traffic congestion, control, principles to be observed in the design of road junctions 5.9. Categories of road junctions; airport & rapid transit systems	<ul style="list-style-type: none"> Explain various aspects of urban roads. Develop sketches for types of street systems. Demonstrate different features of traffic management. Illustrate categories of road junctions with sketches. Develop awareness about other transport systems in the modern town. 	20	06
					Total Hours 28

6. Suggested Specification Table for Evaluation Scheme

Unit No.	Unit Name	Distribution of Topics According to Bloom's Taxonomy					
		R %	U %	App %	C %	E %	An %
1.	Introduction	70	25	-	-	-	05
2.	Planning of Modern town	65	33	-	-	-	02
3.	Town Components	75	25	-	-	-	00
4.	Development Plan	25	25	45	-	-	05
5.	Urban Roads & Traffic Management	28	14	55	10	-	03



Legends:	R: Remembering	U: Understanding
	App: Applying	C: Creating
	E: Evaluating	An: Analyzing

7. Textbooks

- 1) Town Planning by S.C. Rangwala, Charotar Publications

8. Reference Books

- 1) Radiant City by Le Corbusier, Orion Press
- 2) The Urban Pattern- City Planning & Design by Arthur Gallion & Simon Eisner, John Wiley & Sons
- 3) Town Planning by G.K. Hiraskar, Dhanpat Rai
- 4) Textbook of town planning by A. Bandopadhyay, Books and Allied, Calcutta

9. Open Sources (Website, Video, Movie)

- 1) www.spa.ac.in
- 2) www.townplanning.gujarat.gov.in
- 3) www.municipalcorporationahmedabad.com
- 4) <https://www.youtube.com/watch?v=RmtdBpb6PA&list=PLcWeCCSvXbNnluYRauJ5Hj3NmdXG03hgz>

