GUJARAT TECHNOLOGICAL UNIVERSITY

CIVIL (TOWN & COUNTRY PLANNING) (48)
REGIONAL PLANNING
SUBJECT CODE: 2724802
SEMESTER: II

Type of course: Core Subject - III

Prerequisite: Understanding on economics, industrialization, urbanization, concepts of migration and transportation planning

Rationale: Basic Understanding about improving the quality of cities and its various regions. Professional Planners assist communities, companies & governments to integrate the environmental, economic and social aspects of development from small sites up to whole regions.

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks						Total Marks
L	T	P	C	Theory Marks		Practical Marks				
				ESE (E)	PA (M)	ESE (V)		PA (I)		
						ESE	OEP	PA	RP	
3	2#	0	4	70	30	30	0	10	10	150

Content:

Sr. No.	Content	Total Hrs	% weightage
1	Concept of region, scope of regional plan Concept of Region, Types of Region, Classification of Regions, Delineation of Regions, Evolution of Regional plan and National Development, Scope, Objectives, Institutional framework for regional planning.	8	15
2	Techniques of regional analysis Introduction to regional analysis, regional linear programming, regional input-output analysis, factor analysis, industrial location theory, spatial diffusion theory, gravity analysis	12	22
3	Growth models Concept of growth pole and growth foci, core-periphery concept, role of settlements in regional development, urbanization and regional development, central place theory, Christaller Loseh.	14	26
4	Patterns of regional development Role of resources in regional development, utilization of resources and environmental problems, sectoral and regional development and imbalances, multilevel planning, special area development plans. Balanced developed development national and state level planning mechanism.	6	11
5	Special Case Regional planning in India, planning regions of India, district and block development plans, case studies of regional development planning in	14	26

	other countries. Special region plans. Students shall study such plans and prepare a comprehensive study review report individually and present the same for internal evaluation along with assignment.		

Reference Books:

1. Chand Mahesh and U. K. Puri, "Regional Planning in India", Allied Publishers, New Delhi, 1983.
2. Glassion John, "Introduction to regional planning", Hutchinson and MIT Press, Cambridge, 1996.
3. Insard Walter, "Methods of Regional Analysis - An introduction to Regional Science", MIT Press, Cambridge, 1960.
4. R.P. Mishra, "Regional Planning and Development in India", Vikas, Bombay, 1972.
5. K. V. Sundaram, "Urban and Regional Planning in India", Vikas Publishers, New Delhi.
6. Baleshwar Thakur et al; "Urban and regional development in India"; Volume I & II; Concept publishing Company; 2005; New Delhi (ISBN: 81-8069-197-7 Vol:1 and ISBN: 81-8069-198-5 Vol:2)
7. Dr. V. Nath; "Regional Development and Planning in India"; Concept publishing Company; 2009; New Delhi (ISBN: 978-81-8069-377-9)

Course Outcome:

After learning the course the students should be able to understand Fundamentals and Practicing of Regional Planning and Management

Assignment work (Tutorial):

1. Graduate reports on different regional analysis and planning techniques and various growth models in regional planning are to be prepared in consultation with the faculty advisor and to be submitted in A4 paper size. The report is to be presented on scheduled date (individual report).
2. Students shall refer the books and reference materials and prepare answers to the assignment problems including the topics of syllabus.

During tutorial hours, students will study a selected region case independently, refer to documents thereto, identify governing parameters and prepare report which shall be presented

Research Paper (RP):

Each students shall study at least two research papers from the listed journals on GTU portal. Each paper shall be studied – students shall prepare brief report on paper and present the findings. The same shall be presented among all students and submit to university.

Major Equipment:

Computers with higher configuration and internet, server

List of Open Source Software/learning website:
- Mumbai Metropolitan Region Development Authority (www.mmrda.maharashtra.gov.in/)
- Ministry of Urban Development (www.moud.gov.in)
- Gujarat Infrastructure Development Board (www.gidb.org)
- Google Books on Regional Planning (https://www.google.co.in/search?tbm=bks&hl=en&q=Regional+Planning&gws_rd=ssl)

Review Presentation (RP): The concerned faculty member shall provide the list of peer reviewed Journals and Tier-I and Tier-II Conferences relating to the subject (or relating to the area of thesis for seminar) to the students in the beginning of the semester. The same list will be uploaded on GTU website during the first two

weeks of the start of the semester. Every student or a group of students shall critically study 2 papers, integrate the details and make presentation in the last two weeks of the semester. The GTU marks entry portal will allow entry of marks only after uploading of the best 3 presentations. A unique id number will be generated only after uploading the presentations. Thereafter the entry of marks will be allowed. The best 3 presentations of each college will be uploaded on GTU website