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| AR164  Urban Design | | **L-T-P**  **2-0-2**  **3 credit** |
| Objective : To provide the knowledge of Urban Design principles | | | |
| **Unit-1 (Definitions of town planning and urban design)**  Levels of planning and steps for preparation of a town plan.  Review of urban design through historical evolution and the roots of modern concepts (related to garden city, satellite towns and ribbon development).  **Unit-2 (Surveys Techniques in planning and urban design)**  Introduction to analytical techniques in town planning and urban design.  Urban design principles and criteria, urban scale and spaces, urban activities and circulation pattern, design for pedestrians.  **Unit-3 (Urban aesthetics, design regulations and control)**  Urban aesthetics and its application to various parts of the town.  Waterfront development. Principles of streetscape design.  The comprehensive role of urban design in town planning process.  Principles of organizing outdoor spaces, on site and off-site consideration in organization of spaces.  Concepts, functions, components and preparation of a development plan.  Concepts of regional and metropolitan planning, land subdivision regulations and zoning. Land use determinants-residential, trade and commerce, industry, recreation and transportation, educational, housing etc.  **Unit-4 (Development of Master Plan)**  Study of development plan/Master plan for selected towns. Planning of new towns-case study of Chandigarh, Bhuveneshwar, New Mumbai, Gandhinagar, Industrial towns and other towns in India.  New towns in other Countries like Brazil, Britain U.S.A., Netherlands, U.K. etc.  Planning in existing towns, urban-redevelopment and renewal, problems of congestion.  Seminar | | | |
| Expected outcome : Developed understanding of Urban Design principles | | | |
| Reference Books:  1. Urban pattern/Gallion and Eisner/CBS-Publication  2. Urban Landscape Design/Garret Eckbo/McGraw Hill | | | |
| 3. Earthscape/Simonds/McGraw Hill |