

GUJARAT TECHNOLOGICAL UNIVERSITY
Syllabus for B. Arch
EIGHTH SEMESTER

SUBJECT NAME: URBAN HOUSING

SUBJECT CODE: 1085014

FOCUS:

To outline the Issues concerning housing in the Indian Context and the various agencies involved in the production of housing, to outline factors that influence housing affordability and to familiarize students with various schemes and policies of the government in the housing sector, to inform about the standards and guidelines for housing and to inform about the various housing design typologies and the processes involved in housing project development. Mass Housing Project in Urban areas or Smart cities.

CONTENT:

INTRODUCTION TO HOUSING AND HOUSING ISSUES – INDIAN CONTEXT -

Housing and its importance in Architecture and its relationship with neighborhood and city planning / Housing demand and supply – National Housing Policy – Housing agencies and their role in housing development – impact of traditional life style – Rural Housing, Public, private sector housing.

SOCIO-ECONOMIC ASPECTS - Social economic factors influencing housing affordability – equity in housing development sites and services/-slum up gradation community participation – **Rajiv Awas Yojana** Crime prevention, Health principles in Housing

HOUSING STANDARDS URDPFI – guidelines, standard and regulations – DCR – performance standards for housing.

SITE PLANNING AND HOUSING DESIGN Site Planning: Selection of site for housing, consideration of physical characteristics of site, locational factors, orientation, climate, topography – Landscaping- Housing design – Traditional housing, row housing, cluster housing – apartments and high-rise housing relating to Indian situations – case studies in India – integration all types of services, parking, incorporation of green sustainable practices – prefabrication in housing.

HOUSING PROCESS Various stages and tasks in project development – community participation and housing management – Environmental aspects and national calamities and disaster mitigation.

Various Approvals - Various types of approval requires for urban housing or Mass Housing – Various concern authorities, [Like Non agriculture permission, Legal - Revenue permission, Construction approval, NOC from various Government Department like Railway, Air Port, Archeological etc....]

REFERENCE BOOKS

1. Christopher Alexander, “A pattern Language”, Oxford University press, New York 1977
2. Leiris (S), Front to back: “A Design Agenda for Urban Housing”, Architectural Press, 2006.
3. Mohanty. L.N.P., Mohanty. S, “Slum in India” APH Publications. 2005
4. Saxena A. K., “Sociological Dimensions of Urban Housing and Development “, Common Wealth Publications, 2004
5. Geol. S. L. Dhaliwal. S. S. “Slum improvement through participatory Urban based Community structures”, Deep & Deep Publications, 2004.